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United States
Department of
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Agricultural
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Reserved

Plant Inventory No. 196, Part II

Plant Materials Introduced
July 1 to December 31, 1987
(Nos. 510764 to 514275)

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Plant Inventory No. 196, Part II

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EXCHANGE Rec'd

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Plant Inventory No. 196 is divided into two parts that encompass PI's 506219 - 514275 for calendar year 1987. Questions about data organization and proper plant identification should be directed to the author. This is not a listing of plant material for distribution.

Thanks are expressed to the following persons associated with the Plant Introduction Office for their contribution to Plant Inventory No. 196: L.G. Garner and R.A. Norris for continued excellence in handling all aspects of the computer system operation. Assistance by members of the Germplasm Resources Information Network (GRIN) with software and hardware problems is appreciated.

This inventory with a new frontspiece is the first to be generated for a full year through the GRIN system.

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PI 510764 to 510767. *Prunus* hybrid ROSACEAE

Donated by: Jefferson, R.M., U.S. National Arboretum, USDA-ARS, Washington, D.C., United States. **remarks:** The 1986 U.S. National Arboretum Flowering Cherry (*Prunus*) Expedition to Taiwan, Korea and Japan. Daily mean minimum winter temperature for 10 years and for the coldest year depicted as DMMT(10) and DMMT(1). Received April 30, 1987.

- PI 510764 **donor id:** NA 58875. **origin:** Japan. **pedigree:** P. nipponica var. kurilensis x P. sargentii. **collected:** July 19, 1986. **collector:** R.M. Jefferson. **locality:** Protected plant from Kunashir Kurile Islands. Center of grounds, Kaihouji Temple, Yasaka-Cho, Nemuro. **latitude:** 43 deg. 20 min. N. **longitude:** 145 deg. 35 min. E. **remarks:** Tree, single stem, 3.5x5m, branching close to ground. Young leaves bronze green. Mature leaves green, healthy with some insect damage. Flowers clear pink with leaves. DMMT(10): -9.0 deg. C, DMMT(1): -14.2 deg. C. Cultivated. Seed.
- PI 510765 **donor id:** NA 58879. **origin:** Japan. **pedigree:** P. nipponica var. kurilensis x P. sargentii. **collected:** July 19, 1986. **collector:** R.M. Jefferson. **locality:** Natural hybrid brought from Kurile Island over 100 yrs. ago. Seiryuji Temple, 2-2 Matsumoto-Cho, Nemuro. **latitude:** 43 deg. 20 min. N. **longitude:** 145 deg. 35 min. E. **remarks:** Tree, single stem, 4x4m, branching 2m above ground. Bark smooth in places, peeling with horizontal lenticels. Insect damage. Flowers light pinkish-white, 2.5-3cm occurring with young, bronze leaves. DMMT(10): -9.0 deg. C, DMMT(1): -14.2 deg. C. Cultivated. Seed.
- PI 510766 **donor id:** NA 58880. **origin:** Japan. **pedigree:** P. nipponica var. kurilensis x P. sargentii. **collected:** July 19, 1986. **collector:** R.M. Jefferson. **locality:** Natural hybrid brought from Kurile Island over 100 yrs. ago. Seiryuji Temple, 2-2 Matsumoto-Cho, Nemuro. **latitude:** 43 deg. 20 min. N. **longitude:** 145 deg. 35 min. E. **remarks:** Tree, wide spreading, 3x5m branching 1m above ground. Bark rough, smooth and glossy on young branches. Mature leaves green, approx. 5-7cm. Insect damage. Flowers pale pink, 2.5- 3.0cm with young, bronze leaves. DMMT(10): -9.0 deg. C, DMMT(1): -14.2 deg. C. Cultivated. Seed.

PI 510764 to 510767-continued

PI 510767 **donor id:** NA 58881. **origin:** Japan. **pedigree:** P. nipponica var. kurilensis x P. sargentii. **collected:** July 19, 1986. **collector:** R.M. Jefferson. **locality:** Natural hybrid brought from over 100 years ago. Kurile Island, Seiryuji Temple, Nemuro, 2-2 Matsumoto-Cho. **latitude:** 43 deg. 20 min. N. **longitude:** 145 deg. 35 min. E. **remarks:** Shrub, spreading 6x6m, branching 2m above ground. Bark dark brown, rough, smooth on large branches. Leaves green, healthy, 8-10cm. Flowers light pink 2.5-3.5cm occurring with young, bronze green leaves. DMMT(10): -9.0 deg. C, DMMT(1): -14.2 deg. C. Cultivated. Seed.

PI 510768 to 510771. *Prunus incisa* Thunb. ex Murray ROSACEAE

Donated by: Jefferson, R.M., U.S. National Arboretum, USDA-ARS, Washington, D.C., United States. **remarks:** The 1986 U.S. National Arboretum Flowering Cherry (*Prunus*) Expedition to Taiwan, Korea and Japan. Daily mean minimum winter temperature for 10 years and for the coldest year depicted as DMMT(10) and DMMT(1). Received April 30, 1987.

PI 510768 **donor id:** NA 58815. **origin:** Japan. **collected:** June 12, 1986. **collector:** R.M. Jefferson. **locality:** Forest area, high, cold mountains, Hakone mountain area, central Honshu. **latitude:** 35 deg. 39 min. N. **longitude:** 139 deg. E. **elevation:** 1400m. **remarks:** Shrub, large, multistemmed. Flowers small, pinkish. Leaves healthy. Approx. 100 years old. Wild. Seed.

PI 510769 **donor id:** NA 58816. **origin:** Japan. **collected:** June 15, 1986. **collector:** R.M. Jefferson. **locality:** Windy, open flat mountain area, among low sasa plants and pines. Cold area. Mt. Amagi-Yugashima, Ugusu Highlands, Kamo village, Izu Peninsular. **latitude:** 35 deg. N. **longitude:** 139 deg. E. **elevation:** 900m. **remarks:** Tree, single stem, wide spreading 4x7.5m. Bark black, rough. Flowers 3-5.5cm on erect pedicles. Petals notched, with light pink margins. Fruit glossy, black. Healthy plant, great ornamental merit, little insect damage. DMMT(10): +5.2 deg. C, DMMT(1): +3.3 deg. C. Wild. Seed.

PI 510768 to 510771-continued

PI 510770 donor id: NA 58817. origin: Japan. collected: June 15, 1986. collector: R.M. Jefferson. locality: Among broadleaf larger trees and shrubs in stressful location leaning from dry sandy slope. Cold area. Mt. Amagi-Yugashima, Ugusa Highlands, Kamo village, Izu Peninsular. latitude: 35 deg. N. longitude: 139 deg. E. elevation: 750m. remarks: Tree, single stem, low growing 3x3m. Bark rough, dark brown. Leaves green, dull, 4-6.5cm with some insect damage. Flowers white, fading to pinkish purple, attractive. DMMT(10): +5.2 deg. C, DMMT(1): +3.3 deg. C. Wild. Seed.

PI 510771 donor id: NA 58818. origin: Japan. collected: June 15, 1986. collector: R.M. Jefferson. locality: Full sun, rocky slope, gravelly dry site. Cold area. Mt. Amagi-Yugashima, Ugusu Highlands, Kamo village, Izu Peninsular. latitude: 35 deg. N. longitude: 139 deg. E. elevation: 1700m. remarks: Tree, 4x3m. Bark rough, black. Leaves showing some insect damage. Flowers white, abundant, attractive, with deeply notched edges. Fruit small, approx. 9mm, glossy black, on pedicels that stand erect around thin branches. DMMT(10): +5.2 deg. C, DMMT(1): +3.3 deg. C. Wild. Seed.

PI 510772. *Prunus maximowiczii* Rupr. ROSACEAE Korean cherry

Donated by: Jefferson, R.M., U.S. National Arboretum, USDA-ARS, Washington, D.C., United States. remarks: The 1986 U.S. National Arboretum Flowering Cherry (*Prunus*) Expedition to Taiwan, Korea and Japan. Received April 30, 1987.

donor id: NA 58827. origin: Japan. collected: June 25, 1986. collector: R.M. Jefferson. locality: Open field, 20m from Rt. 121, dry rocky soil, Fujiwara-Machi Fujiwara-Machi, Tochigi Pref. latitude: 35 deg. 22 min. N. longitude: 139 deg. 29 min. E. elevation: 880m. remarks: Tree, single stemmed, 18x16m. Bark rough, smooth and glossy on upper branches. Leaves large 14-16cm with some insect damage. Flowers deep pink 3.5-4cm occurring with almost mature leaves. Petals spreading, narrow, oblong. Wild. Seed.

PI 510773. *Prunus nipponica* Matsum. ROSACEAE

Donated by: Jefferson, R.M., U.S. National Arboretum, USDA-ARS, Washington, D.C., United States. remarks: The 1986 U.S. National Arboretum Flowering Cherry (*Prunus*) Expedition to Taiwan, Korea and Japan. Received April 30, 1987.

PI 510773-continued

donor id: NA 58871. **origin:** Japan. **collected:** July 16, 1986. **collector:** R.M. Jefferson. **locality:** Rawan drive-in grounds, on edge of woods in dry soil, (brought in from wild, high mountain area near Kushiro). Cold area. Rawan, Asyoro, Oku. **latitude:** 43 deg. 04 min. N. **longitude:** 143 deg. 08 min. E. **remarks:** Tree, single stem with spreading upright habit, approx. 5x3.5m. Bark rough, medium brown. Leaves healthy, green, glabrous. Fruit blue black, scarce, mainly on upper branches. Approx. 30 years old. Not seen in flower. Wild. Seed.

PI 510774 to 510786. *Prunus nipponica* var. *kurilensis* (Miyabe) E.
Wilson ROSACEAE

Donated by: Jefferson, R.M., U.S. National Arboretum, USDA-ARS, Washington, D.C., United States. **remarks:** The 1986 U.S. National Arboretum Flowering Cherry (*Prunus*) Expedition to Taiwan, Korea and Japan. Daily mean minimum winter temperature for 10 years and for the coldest year depicted as DMMT(10) and DMMT(1). Received April 30, 1987.

PI 510774 **donor id:** NA 58836. **origin:** Japan. **collected:** July 28, 1986. **collector:** R.M. Jefferson. **locality:** Open dry forest area, mountains near Unoto, Nikko National Park Area, Gumma Pref. **latitude:** 36 deg. 47 min. N. **longitude:** 139 deg. 40 min. E. **remarks:** Shrub, 8x10m, compact growth habit. Leaves healthy. Approx. 100 years old. DMMT(10): -8.3 deg. C, DMMT(1): -10.3 deg. C. Wild. Seed.

PI 510775 **donor id:** NA 58872. **origin:** Japan. **collected:** July 19, 1986. **collector:** R.M. Jefferson. **locality:** Protected plant from Kunashir, Kurile Islands, Kaihouji Temple, Yasaka-Cho, Nemuro. **latitude:** 43 deg. 20 min. N. **longitude:** 145 deg. 35 min. E. **remarks:** Shrub, 2.5x6m with open oval crown, branching at ground level. Flowers white occurring as greenish leaves start to open. Mature leaves, fruit and seeds larger than normal. Fruit scarce. Approx. 50 years old. DMMT(10): -9.0 deg. C, DMMT(1): -14.2 deg. C. Cultivated. Seed.

PI 510776 **donor id:** NA 58873. **origin:** Japan. **collected:** July 19, 1986. **collector:** R.M. Jefferson. **locality:** Protected plant from Kunashir, Kurile Islands. Cultivated area, near path, Kaihouji Temple, Yasake-Cho, Nemuro. **latitude:** 43 deg. 20 min. N. **longitude:** 145 deg. 35 min. E. **remarks:** Shrub, 2x4m with many spreading narrow branches. Flowers small, white to pinkish white before leaves. Fruit black, small, numerous. Healthy, little insect damage. Approx. 50 years old. DMMT(10): -9.0 deg. C, DMMT(1): -14.2 deg. C. Cultivated. Seed.

PI 510774 to 510786-continued

- PI 510777 donor id: NA 58874. origin: Japan. collected: July 19, 1986. collector: R.M. Jefferson. locality: Protected plant brought from Kunashir, Kurile Islands. Open area on north side of Kaihouji Temple grounds, Yasake-Cho, Nemuro. latitude: 43 deg. 20 min. N. longitude: 145 deg. 35 min. E. remarks: Tree, approx. 1.5x4.5m with open crown. Young leaves brownish green. Mature leaves 7-10cm showing some insect damage. Flowers pink. Approx. 50 years old. DMMT(10): -9.0 deg. C, DMMT(1): -14.2 deg. C. Cultivated. Seed.
- PI 510778 donor id: NA 58876. origin: Japan. collected: July 19, 1986. collector: R.M. Jefferson. locality: Protected plant brought from Kunashir, Kurile Islands. Grassy area, 15m from office building in shady location, Nemuro City Office, Nemuro. latitude: 43 deg. 20 min. N. longitude: 145 deg. 35 min. E. remarks: Shrub, low branching, 2.5x5m. Mature leaves, healthy green. Flowers small, white, occurring before leaves. Fruit scarce. Approx. 125 years old. DMMT(10): -9.0 deg. C, DMMT(1): -14.2 deg. C. Wild. Seed.
- PI 510779 donor id: NA 58877. origin: Japan. collected: July 19, 1986. collector: R.M. Jefferson. locality: Protected plant brought from Kunashir, Kurile Islands. Seiryuji Temple, 2-2 Matsumoto-Cho, Nemuro. latitude: 43 deg. 20 min. N. longitude: 145 deg. 35 min. E. remarks: Shrub, 5x10m, single stem branching close to ground. Bark dark brown with faint horizontal lenticels. Leaves green, 4-6cm long, acuminate ends. Flowers white, 1.5-2.3cm. Fruit black. Approx. 100 years old. Seeds similar to fruit. DMMT(10): -9.0 deg. C, DMMT(1): -14.2 deg. C. Cultivated. Seed.
- PI 510780 donor id: NA 58878. origin: Japan. collected: July 19, 1986. collector: R.M. Jefferson. locality: Protected plant used for seed distribution, Kunashir, Kurile Islands ca. 1873, Seiryuji Temple, 2-2 Matsumoto-Cho, Nemuro. latitude: 43 deg. 20 min. N. longitude: 145 deg. 35 min. E. remarks: Shrub, spreading wide 3x10m. Bark brown, rough with faint horizontal lenticels. Mature leaves 4-6cm long, 3-4.5cm wide with serrated edges. Flowers white, 2-2.5cm with young leaves. Approx. 125 years old. Healthy, little insect damage. DMMT(10): -9.0 deg. C, DMMT(1): -14.2 deg. C. Cultivated. Seed.

PI 510774 to 510786-continued

- PI 510781 donor id: NA 58883. origin: Japan. collected: July 21, 1986. collector: R.M. Jefferson. locality: Protected plant from Kunashir, Kurile Islands, home grounds of Mr. Okada, 1-30 Seiryu-Cho, Nemuro. latitude: 43 deg. 04 min. N. longitude: 145 deg. 06 min. E. remarks: Shrub, wide spreading, low branching, approx. 3.5x6m. Bark almost black and very rough. Flowers pinkish white, small, abundant, occurring before leaves. Fruit scarce. Over 100 yrs. old. Outstanding specimen. DMMT(10): -9.0 deg. C, DMMT(1): -14.2 deg. C. Cultivated. Seed.
- PI 510782 donor id: NA 58884. origin: Japan. collected: July 21, 1986. collector: R.M. Jefferson. locality: Protected plant from Kunashir, Kurile Islands, Bayakomaji Temple grounds, Yayoi-Cho, Nemuro. latitude: 43 deg. 20 min. N. longitude: 145 deg. 35 min. E. remarks: Tree, 4x6m spreading single stem, branching 1 m above ground. Young leaves similar in color to *P. sargentii* (possible hybrid). Flowers light pink, 2cm before leaves. Insect damage. Approx. 75 yrs. old. DMMT(10): -9.0 deg. C, DMMT(1): -14.2 deg. C. Cultivated. Seed.
- PI 510783 donor id: NA 58885. origin: Japan. collected: July 21, 1986. collector: R.M. Jefferson. locality: Protected plant from Kunashir, Kurile Islands, Bayakomaji Temple grounds, Yayoi-Cho, Nemuro. latitude: 43 deg. 20 min. N. longitude: 145 deg. 35 min. E. remarks: Shrub, 2x3.5m, branching just above ground, healthy, Leaves green, 5-6cm. Flowers small, white before leaves. Approx. 50 years old. DMMT(10): -9.0 deg. C, DMMT(1): -14.2 deg. C. Cultivated. Seed.
- PI 510784 donor id: NA 58900. origin: Japan. collected: July 28, 1986. collector: R.M. Jefferson. locality: Protected plant from Kunashir, Kurile Islands. Near entrance to Weather Bureau grounds, Nemuro. latitude: 43 deg. 04 min. N. longitude: 145 deg. 06 min. E. remarks: Shrub, dense, 1.5x2m. Leaves green, approx. 4-5cm, healthy. Flowers white, abundant with leaves. Fruit scarce. Approx. 75 years old. DMMT(10): -9.0 deg. C, DMMT(1): -14.2 deg. C. Cultivated. Seed.
- PI 510785 donor id: NA 58901. origin: Japan. collected: July 28, 1986. collector: R.M. Jefferson. locality: Open lawn area near entrance to office building, Weather Bureau grounds, Nemuro. latitude: 43 deg. 04 min. N. longitude: 145 deg. 06 min. E. remarks: Shrub, 1.3x3m with small open crown, healthy. Flowers small, white occurring with young leaves. Approx. 75 yrs. old. DMMT(10): -9.0 deg. C, DMMT(1): -14.2 deg. C. Wild. Seed.

PI 510774 to 510786-continued

PI 510786 donor id: NA 58902. origin: Japan. collected: July 28, 1986. collector: R.M. Jefferson. locality: Near entrance of Weather Bureau office, Weather Bureau grounds, Nemuro. latitude: 43 deg. 04 min. N. longitude: 145 deg. 06 min. E. remarks: Shrub, 1.2x1.5m with small open crown. Flowers small, white. Approx. 75 years old. DMMT(10): -9.0 deg. C, DMMT(1): -14.2 deg. C. Cultivated. Seed.

PI 510787 to 510838. *Prunus sargentii* Rehder ROSACEAE Sargent cherry

Donated by: Jefferson, R.M., U.S. National Arboretum, USDA-ARS, Washington, D.C., United States. remarks: The 1986 U.S. National Arboretum Flowering Cherry (*Prunus*) Expedition to Taiwan, Korea and Japan. Daily mean minimum winter temperature for 10 years and for the coldest year depicted as DMMT(10) and DMMT(1). Received April 30, 1987.

PI 510787 donor id: NA 58819. origin: Japan. collected: June 25, 1986. collector: R.M. Jefferson. locality: Weeded area, at crest of steep ravine, 1000m from old barn, Mattogahara, Minami-Aizu Gun, Fukushima Pref. latitude: 41 deg. 31 min. N. longitude: 140 deg. 16 min. E. elevation: 1000m. remarks: Tree, single stem, 18x12m. Bark rough, reddish brown and glossy on upper branches. Leaves medium green with some insect damage. Flowers medium pink, flushed with rose 3.5-4cm, occurring with small, young, deep bronze leaves. DMMT(10): -2.4 deg. C, DMMT(1): -5.0 deg. C. Wild. Seed.

PI 510788 donor id: NA 58820. origin: Japan. collected: June 25, 1986. collector: R.M. Jefferson. locality: High on edge of river bank, soil weedy and moist, Rt. 121 near Akagawa River, Fukagawa, Itozawa, Tajima, Minami Aizu Gun, Fukushima Pref. latitude: 43 deg. 44 min. N. longitude: 142 deg. 03 min. E. elevation: 1000m. remarks: Tree, single stemmed 9x6m. Bark smooth, reddish brown. Leaves dark green, 12-14cm with little insect damage. Flowers light pink flushed with rose, 4-4.5cm, petals broad, overlapping. Approx. 25 years old. DMMT(10): -2.4 deg. C, DMMT(1): -5.0 deg. C. Wild. Seed.

PI 510787 to 510838-continued

- PI 510789 donor id: NA 58821. origin: Japan. collected: June 25, 1986. collector: R.M. Jefferson. locality: Home garden of Kakkuhel Inomata, near old house, Nichi-Machi Tajima city, Minami-Aizu Gun, Fukushima Pref. latitude: 37 deg. 12 min. N. longitude: 139 deg. 46 min. E. elevation: 1836m. remarks: Tree, single stemmed 25x20m. Bark rough. Leaves small 9-12cm with little insect damage. Flowers light rose pink, 4-4.5cm with deep bronze young leaves. Approx. 150 years old. DMMT(10): -2.4 deg. C, DMT(1): -5.0 deg. C. Cultivated. Seed.
- PI 510790 donor id: NA 58822. origin: Japan. collected: June 25, 1986. collector: R.M. Jefferson. locality: Entrance to Aizo-takinohara. Ogano Minami-Aizu-Gun, Fukushima Pref. latitude: 36 deg. 02 min. N. longitude: 139 deg. 00 min. E. elevation: 100m. remarks: Tree, single stemmed 9x8m. Bark smooth, dark reddish brown. Leaves small 7-10cm with little insect damage. Flowers pink 3-3.5cm occurring with bronze young leaves. Approx. 15 yrs. old. DMMT(10) -2.4 deg. C, DMMT(1): -5.0 deg. C. Wild. Seed.
- PI 510791 donor id: NA 58823. origin: Japan. collected: June 25, 1986. collector: R.M. Jefferson. locality: Dense forest area on mountain slope, Ogano Minami-Aizu-Gun, Fukushima Pref. latitude: 36 deg. 02 min. N. longitude: 139 deg. 00 min. E. elevation: 1000m. remarks: Tree, single stemmed, 20x9m. Bark rough. Leaves dark green, 12-14cm with some insect damage. Flowers light pink 3-3.5cm occurring with very small young leaves. DMMT(10): -2.4 deg. C, DMMT(1): -5.0 deg. C. Wild. Seed.
- PI 510792 donor id: NA 58824. origin: Japan. collected: June 25, 1986. collector: R.M. Jefferson. locality: Cold area. Moist open field on mountain slope, Ogano Minami-Aizu-Gun, Fukushima Pref. latitude: 37 deg. 11 min. N. longitude: 139 deg. 46 min. E. elevation: 1200m. remarks: Tree, single stemmed, 25x20m. Bark rough, smooth in upper branches. Leaves dark green with some insect damage. Flowers light pink 3.5-4cm occurring with deep bronze leaves. Petals broad, cupped, overlapping. Approx. 100 years old. Wild. Seed.
- PI 510793 donor id: NA 58825. origin: Japan. collected: June 25, 1986. collector: R.M. Jefferson. locality: Cold area. Open field on Rt. 121, 200m from road, weeds and seedling pines present. Dry rocky site near Fujiwara-Machi, Tachigi Pref. latitude: 35 deg. 22 min. N. longitude: 139 deg. 29 min. E. elevation: 880m. remarks: Tree, single stemmed. 15x8m. Bark rough in places, dark brown. Leaves light green, 13x15cm, some insect damage. Flowers pale pink 2.5-3.0cm occurring with young bronze leaves. Approx. 30 yrs. old. Wild. Seed.

PI 510787 to 510838-continued

PI 510794 donor id: NA 28826. origin: Japan. collected: June 25, 1986. collector: R.M. Jefferson. locality: Cold area. 600m off Rt. 121, stressful area, rocky dry slope. Fujiwara-Machi, Tachigi Pref. latitude: 35 deg. 22 min. N. longitude: 139 deg. 29 min. E. elevation: 880m. remarks: Shrubby tree, multistemmed, 10x10m. Bark smooth, reddish brown. Leaves dull green 13-16cm. Flowers pale pink flushed with rose 2.5x3m, occurring with small bronze young leaves. 20 years old. Stem sucker from larger dead tree. Wild. Seed.

PI 510795 donor id: NA 58835. origin: Japan. collected: July 12, 1986. collector: R.M. Jefferson. locality: Cold, open wooded area on steep slope among Rhododendrons, mountains near Unoto, Nikko National Park, Gumma Pref. latitude: 36 deg. 47 min. N. longitude: 139 deg. 40 min. E. elevation: 1200m. remarks: Tree, single stemmed, upright, 25x10m. Bark rough, smooth on upper branches. Leaves dark green with little insect damage. Fruits few. Only cherry in area. Approx. 75 years old. DMMT(10): -8.3 deg. C, DMMT(1): -10.3 deg. C. Wild. Seed.

PI 510796 donor id: NA 58841. origin: Japan. collected: July 10, 1986. collector: R.M. Jefferson. locality: Dry rocky slope about 200m from road east of city limits on Rt. 276, Otaru. latitude: 43 deg. 14 min. N. longitude: 140 deg. 59 min. E. elevation: 500m. remarks: Tree, single stemmed, upright, 9x8m. Bark smooth, dark brown with conspicuous lenticels. Young leaves reddish occurring with flowers, some leaf curl and insect damage. Flowers large 3.4-4.5cm, dark pink with overlapping petals. Approx. 20 yrs. old. DMMT(10): -6.6 deg. C, DMMT(1): -9.2 deg. C. Wild. Seed.

PI 510797 donor id: NA 58842. origin: Japan. collected: July 10, 1986. collector: R.M. Jefferson. locality: Dry rocky slope about 250m from road east of city limits on Rt. 276, Otaru. latitude: 43 deg. 14 min. N. longitude: 140 deg. 59 min. E. elevation: 500m. remarks: Shrubby tree, multistemmed, 10x6m. Bark rough, smooth and glossy on upper branches. Young leaves bronze occurring with flowers. Mature leaves large, 6-8cm, glossy where exposed to sun. Flowers deep pink 3.5-4.0cm, drooping cluster. Approx. 40 yrs. old. DMMT(10). Wild. Seed.

PI 510787 to 510838-continued

- PI 510798 **donor id:** NA 58843. **origin:** Japan. **collected:** July 10, 1986. **collector:** R.M. Jefferson. **locality:** Cold area. 100m E from main office building, high bank of wide stream, Hokkaido Forest Exp. Station, Shintoku. **latitude:** 43 deg. 04 min. N. **longitude:** 142 deg. 08 min. E. **elevation:** 200m. **remarks:** Tree, single stem, wide spreading 20x15m. Bark smooth, rough in places. Leaves healthy, medium green, little insect damage. Flowers dark pink 4-5cm with broad overlapping petals occurring with deep bronze young leaves. Wild. Seed.
- PI 510799 **donor id:** NA 58844. **origin:** Japan. **collected:** July 10, 1986. **collector:** R.M. Jefferson. **locality:** Cold area. On stream bank, 50m E of PI 510798, Hokkaido Forest Exp. Station, Shintoku. **latitude:** 43 deg. 04 min. N. **longitude:** 142 deg. 08 min. E. **elevation:** 200m. **remarks:** Tree, single stem, 6x5m. Bark glossy reddish brown. Leaves green, healthy, little insect damage. Flowers pink, large 4-5.5cm, cupped petals occurring with young leaves. Approx. 10 yrs. old. Wild. Seed.
- PI 510800 **donor id:** NA 58845. **origin:** Japan. **collected:** July 10, 1986. **collector:** R.M. Jefferson. **locality:** Cold, open ground area, 200m E of stream, Hokkaido Forest Exp. Station, Shintoku. **latitude:** 43 deg. 04 min. N. **longitude:** 142 deg. 08 min. E. **elevation:** 200m. **remarks:** Tree, single stem, 12x12m broad round crown. Bark smooth, glossy with showy lenticels. Leaves glossy green, healthy. Flowers deep pink occurring early before leaves. Fruit few. Approx. 30 years old. Wild. Seed.
- PI 510801 **donor id:** NA 58846. **origin:** Japan. **collected:** July 10, 1986. **collector:** R.M. Jefferson. **locality:** Cold area. Edge of cultivated pine woods near low fence, Hokkaido Forest Exp. Station, Shintoku. **latitude:** 43 deg. 04 min. N. **longitude:** 142 deg. 08 min. E. **elevation:** 200m. **remarks:** Tree, single stem, 18x12m with pyramidal crown. Bark dark brown, smooth, peeling showing lighter reddish under bark. Leaves with some insect damage. Flowers pink with slightly campanulate overlapping petals. Approx. 20 years old. Wild. Seed.
- PI 510802 **donor id:** NA 58847. **origin:** Japan. **collected:** July 12, 1986. **collector:** R.M. Jefferson. **locality:** Cold area. Dry soil edge of pine forest, stressful conditions, low mountains on Rt. 12, Hokkaido Forestry Station, Bibai. **latitude:** 43 deg. 21 min. N. **longitude:** 141 deg. 53 min. E. **elevation:** 500m. **remarks:** Tree, single stemmed, approx. 5x4m. Bark rough on trunk, smooth on upper branches. Young leaves bronze occurring with flowers. Flowers pink, 3-3.5cm. Petals narrow spreading. Approx. 75 years old. Wild. Seed.

PI 510787 to 510838-continued

- PI 510803 donor id: NA 58848. origin: Japan. collected: July 12, 1986. collector: R.M. Jefferson. locality: Cold, open grass area near edge of broadleaf and pine forest, low mountains on Rt. 12, Hokkaido Forestry Station, Bibai. latitude: 43 deg. 21 min. N. longitude: 141 deg. 53 min. E. elevation: 500m. remarks: Tree, single stemmed, 9x7m branching near ground level. Bark generally smooth. Young leaves deep bronze. Mature leaves dark green with insect damage. Flowers dark pink with overlapping petals. Approx. 20 yrs. old. Wild. Seed.
- PI 510804 donor id: NA 58849. origin: Japan. collected: July 12, 1986. collector: R.M. Jefferson. locality: Cold area. Rocky soil, low mountains, Rt. 12, Hokkaido Forestry Station, Babai. latitude: 43 deg. 21 min. N. longitude: 141 deg. 53 min. E. elevation: 500m. remarks: Tree, double stemmed, 16x9m with slightly drooping habit. Bark dark reddish brown, rough. Young leaves bronze green. Mature leaves healthy. Flowers pale pink, 3.5-4cm. Petals cupped and overlapping. Perhaps 100 years old. Wild. Seed.
- PI 510805 donor id: NA 58850. origin: Japan. collected: July 12, 1986. collector: R.M. Jefferson. locality: Cold area. Low mountains, ca. 100m from office, Hokkaido Forestry Station, Bibai. latitude: 43 deg. 21 min. N. longitude: 141 deg. 53 min. E. elevation: 500m. remarks: Tree, single stem, wide spreading, oval 14x9m. Young leaves bronze. Mature leaves light green, healthy with insect damage. Flowers pale pink, 4-4.5cm with overlapping, notched, petals. Wild. Seed.
- PI 510806 donor id: NA 58852. origin: Japan. collected: July 13, 1986. collector: R.M. Jefferson. locality: Rt. 39, Tokiwa, Park Asahikawa. latitude: 43 deg. 47 min. N. longitude: 142 deg. 22 min. E. elevation: 364m. remarks: Tree, single stem 15x10m. Bark smooth, glossy reddish bronze. Leaves green, little insect damage. Flowers rose pink 3-4.5cm occurring with large reddish brown young leaves. Petals broad, oval slightly overlapping, deeply notched. DMMT(10): -13.0 deg. C, DMMT(1): -18.3 deg. C. Wild. Seed.

PI 510787 to 510838-continued

- PI 510807 donor id: NA 58853. origin: Japan. collected: July 14, 1986. collector: R.M. Jefferson. locality: Tokyo University Forest Expt. Station, Yamabe, Furano. Originally from forest areas of Mt. Dairoku (1459m) and Mt. Ashibetsu (1726m). latitude: 43 deg. N. longitude: 142 deg. E. elevation: 224m. remarks: Tree upright, 9x6.5m. Bark glossy, dark brown, smooth in places and peeling. Leaves bronze green, occurring with flowers. Flowers pale pink, 3.4-4.5cm with wide oval entire petals. Approx. 30 yrs. old. DMMT(10): -8.8 deg. C, DMMT(1): -33.8 deg. C. Wild. Seed.
- PI 510808 donor id: NA 58854. origin: Japan. collected: July 14, 1986. collector: R.M. Jefferson. locality: Tokyo University Forest Expt. Station, Yamabe, Furano. Originally from forest areas of Mt. Dairoku (1459m) and Mt. Ashibetsu (1726m). latitude: 43 deg. N. longitude: 142 deg. E. elevation: 224m. remarks: Tree upright, spreading 10.7x8m. Bark dark brown, peeling and smooth in places. Young leaves occurring with flowers, dark bronze. Flowers pale pink 4.5+cm with deeply notched petals. Approx. 45 years old. DMMT(10): -8.8 deg. C, DMMT(1): -33.8 deg. C. Wild. Seed.
- PI 510809 donor id: NA 58855. origin: Japan. collected: July 14, 1986. collector: R.M. Jefferson. locality: Tokyo University Forest Expt. Station, Yamabe, Furano. Originally from forest areas of Mt. Dairoku (1459m) and Mt. Ashibetsu (1726m). latitude: 43 deg. N. longitude: 142 deg. E. elevation: 224m. remarks: Tree upright, 10x7.6m. Bark dark brown, rough. Young leaves green occurring with flowers. Flowers dark pink, 3.5-4cm with notched slightly narrow oval petals. Approx. 30 years old. DMMT(10): -8.8 deg. C, DMMT(1): -33.8 deg. C. Wild. Seed.
- PI 510810 donor id: NA 58856. origin: Japan. collected: July 14, 1986. collector: R.M. Jefferson. locality: Tokyo University Forest Expt. Station, Yamabe, Furano. Originally from forest areas of Mt. Dairoku (1459m) and Mt. Ashibetsu (1726m). latitude: 43 deg. N. longitude: 142 deg. E. elevation: 224m. remarks: Tree, large 14x8m with oval crown. Bark dark brown generally rough but smooth on younger branches. Young leaves bronze, occurring with flowers. Mature leaves medium green. Flowers pink, 3.5-5cm with slightly notched petals, darker pink at tips. DMMT(10): -8.8 deg. C, DMMT(1): -33.8 deg. C. Wild. Seed.

PI 510787 to 510838-continued

- PI 510811 donor id: NA 58857. origin: Japan. collected: July 14, 1986. collector: R.M. Jefferson. locality: Tokyo University Forest Expt. Station, Yamabe, Furano. Originally from forest area of Mt. Dairoku (1459m) and Mt. Ashibetsu (1726m). latitude: 43 deg. N. longitude: 142 deg. E. elevation: 224m. remarks: Tree, 9.5x6m with narrow oval crown. Bark medium brown, rough. Young leaves bronze green occurring with flowers. Mature leaves light green, smaller than normal but very healthy. Flowers 3.5-4.5cm, pale pink with dark pink edges. Approx. 30 yrs. old. DMMT(10): -8.8 deg. C, DMMT(1): -33.8 deg. C. Wild. Seed.
- PI 510812 donor id: NA 58858. origin: Japan. collected: July 14, 1986. collector: R.M. Jefferson. locality: Tokyo University Forest Expt. Station, Yamabe, Furano. Originally from forest areas of Mt. Dairoku (1459m) and Mt. Ashibetsu (1726m). latitude: 43 deg. N. longitude: 142 deg. E. elevation: 224m. remarks: Tree, conical, 8x8m. Bark dark brown, smooth, rough in places. Young leaves bronze green occurring with flowers. Mature leaves show some insect damage. Flowers pink with wide overlapping petals, 3.5-4cm. Approx. 35 years old. DMMT(10): -8.8 deg. C, DMMT(1): -33.8 deg. C. Wild. Seed.
- PI 510813 donor id: NA 58859. origin: Japan. collected: July 14, 1986. collector: R.M. Jefferson. locality: Tokyo University Forest Expt. Station, Yamabe, Furano. Originally from forest areas of Mt. Dairoku (1459m) and Mt. Ashibetsu (1726m). latitude: 43 deg. N. longitude: 142 deg. E. elevation: 224m. remarks: Tree upright, 9x6m. Bark brown, rough. Young leaves bronze occurring with flowers. Mature leaves dark green dull. Flowers medium pink deeply notched, with darker veins, 3-4cm. Approx. 35 yrs. old. DMMT(10): -8.8 deg. C, DMMT(1): -33.8 deg. C. Wild. Seed.
- PI 510814 donor id: NA 58860. origin: Japan. collected: July 14, 1986. collector: R.M. Jefferson. locality: Tokyo University Forest Expt. Station, Yamabe, Furano. Originally from forest areas of Mt. Dairoku (1459m) and Mt. Ashibetsu (1726m). latitude: 43 deg. N. longitude: 142 deg. E. elevation: 224m. remarks: Tree upright, spreading, 9x8m. Bark generally smooth, dark brown. Young leaves dark bronze occurring with flowers. Flowers pink with wide oval overlapping petals 4-5cm. Approx. 30 years old. DMMT(10): -8.8 deg. C, DMMT(1): -33.8 deg. C. Wild. Seed.

PI 510787 to 510838-continued

- PI 510815 donor id: NA 58861. origin: Japan. collected: July 14, 1986. collector: R.M. Jefferson. locality: Tokyo University Forest Expt. Station, Yamabe, Furano. Originally from forest areas of Mt. Dairoku (1459m) and Mt. Ashibetsu (1726m). latitude: 43 deg. N. longitude: 142 deg. E. elevation: 224m. remarks: Tree spreading with horizontal upright branches, 12x8m. Bark dark brown, rough. Young leaves dark bronze. Mature leaves green, both smaller than normal. Flowers pink with wide overlapping petals 3.5-4.5cm. Approx. 45 yrs. old. DMMT(10): -8.8 deg. C, DMMT(1): -33.8 deg. C. Wild. Seed.
- PI 510816 donor id: NA 58862. origin: Japan. collected: July 14, 1986. collector: R.M. Jefferson. locality: Tokyo University Forest Expt. Station, Yamabe, Furano. Originally from forest areas of Mt. Dairoku (1459m) and Mt. Ashibetsu (1726m). latitude: 43 deg. N. longitude: 142 deg. E. elevation: 224m. remarks: Tree with oval crown, 6x6.5m. Bark generally smooth, dark brown. Young leaves deep bronze almost hidden by flowers. Mature leaves, normal in size, dark green. Flowers pink, showy, with oval overlapping petals 3.5-4cm. Approx. 30 years old. DMMT(10): -8.8 deg. C, DMMT(1): -33.8 deg. C. Wild. Seed.
- PI 510817 donor id: NA 58863. origin: Japan. collected: July 14, 1986. collector: R.M. Jefferson. locality: Tokyo University Forest Expt. Station, Yamabe, Furano. Originally from forest areas of Mt. Dairoku (1459m) and Mt. Ashibetsu (1726m). latitude: 43 deg. N. longitude: 142 deg. E. elevation: 224m. remarks: Tree, large, with oval crown, approx. 12x9m. Bark rough, dark brown, peeling. Young leaves small, dark brown. Flowers pink with oval overlapping petals. Approx. 35 yrs. old. DMMT(10): -8.8 deg. C, DMMT(1): -33.8 deg. C. Wild. Seed.
- PI 510818 donor id: NA 58864. origin: Japan. collected: July 14, 1986. collector: R.M. Jefferson. locality: Tokyo University Forest Expt. Station, Yamabe, Furano. Originally from forest areas of Mt. Dairoku (1459m) and Mt. Ashibetsu (1726m). latitude: 43 deg. N. longitude: 142 deg. E. elevation: 224m. remarks: Tree, medium size, upright, 9x6.5m. Bark generally smooth with conspicuous lenticels on younger branches. Young leaves bronze green, mostly hidden by flowers. No insect damage on mature leaves. Flowers pale pink with large oval petals. Approx. 30 yrs. old. DMMT(10):-8.8 deg.C,DMMT(1)-33.8 deg. C. Wild. Seed.

PI 510787 to 510838-continued

- PI 510819 donor id: NA 58865. origin: Japan. collected: July 14, 1986. collector: R.M. Jefferson. locality: Tokyo University Forest Expt. Station, Yamabe, Furano. Originally from forest areas of Mt. Dairoku (1459m) and Mt. Ashibetsu (1726m). latitude: 43 deg. N. longitude: 142 deg. E. elevation: 224m. remarks: Tree, large, wide, spreading, 18x12m. Bark dark brown, smooth in places. Young leaves stand out dark against lighter flowers. Mature leaves show some insect damage. Flowers pale pink, large, with wide oval petals. Approx. 45 yrs. old. DMMT(10): -8.8 deg., DMMT(1): -33.8 deg. C. Wild. Seed.
- PI 510820 donor id: NA 58866. origin: Japan. collected: July 14, 1986. collector: R.M. Jefferson. locality: Tokyo University Forest Expt. Station, Yamabe, Furano. Originally from forest area of Mt. Dairoku (1459m) and Mt. Ashibetsu (1726m). latitude: 43 deg. N. longitude: 142 deg. E. elevation: 224m. remarks: Tree large, spreading, 14x14m. Bark rough, smooth and glossy on small branches. Young leaves bronze green, occurring with flowers. Flowers pale pink 3-3.5cm. Approx. 45 years old. DMMT(10): -8.8 deg. C, DMMT(1): -33.8 deg. C. Wild. Seed.
- PI 510821 donor id: NA 58867. origin: Japan. collected: July 14, 1986. collector: R.M. Jefferson. locality: Dry bank near main highway, Tokyo Univ. Forest Expt. Station Yamabe, Furano. Originally from forest areas of Mt. Dairoku (1459m) and Mt. Ashibetsu (1726m). latitude: 43 deg. N. longitude: 142 deg. E. elevation: 224m. remarks: Tree spreading, open, upright, 12x8m. Bark dark brown, rough. Young leaves numerous and dark brown. Mature leaves green, showing little insect problems. Flowers pink, 4.4.5cm. Approx. 45 yrs. old. DMMT(10): -8.8 deg. C, DMMT(1): -33.8 deg. C. Wild. Seed.
- PI 510822 donor id: NA 58868. origin: Japan. collected: July 16, 1986. collector: R.M. Jefferson. locality: Cold area. Full sun about 100m from Rt. 242 on high stream bank near cultivated field, near Ashoro, Rawan-Takada, Takadai. latitude: 43 deg. 20 min. N. longitude: 144 deg. 80 min. E. elevation: 900m. remarks: Tree, single stem, 9x6m. Leaves dark green with little insect damage. Flowers light and dark pink, 2.5-3cm occurring with young dark bronze leaves. Petals broad oval overlapping. Approx. 25 years old. DMMT(1): -27 deg. C. Wild. Seed.

PI 510787 to 510838-continued

- PI 510823 **donor id:** NA 58869. **origin:** Japan. **collected:** July 16, 1986. **collector:** R.M. Jefferson. **locality:** Wild on Nishimura property, Rt. 241, Naka-Asyoro. **latitude:** 43 deg. 30 min. N. **longitude:** 144 deg. E. **elevation:** 700m. **remarks:** Tree, single stem, 20x15m. Bark rough. Leaves green, 14-16cm with some insect damage and leaf curl. Flowers pale pink, 3-3.5cm occurring with bronze young leaves. Petals broad, oval overlapping. Over 150 years old. DMMT(1): -27 deg. C. Wild. Seed.
- PI 510824 **donor id:** NA 58870. **origin:** Japan. **collected:** July 16, 1986. **collector:** R.M. Jefferson. **locality:** Open forest area on mountain slope, Meakan Daka, Naka-Asyoro. **latitude:** 43 deg. 30 min. N. **longitude:** 144 deg. E. **elevation:** 1000m. **remarks:** Tree, single stem, 25x20m. Bark rough. Leaves dark green with insect damage. Flowers medium pink, 3.5-4cm occurring with bronze leaves. Petals cupped and overlapping. Approx. 100 years old. DMMT(1): -27 deg. C. Wild. Seed.
- PI 510825 **donor id:** NA 58882. **origin:** Japan. **collected:** July 21, 1986. **collector:** R.M. Jefferson. **locality:** Seiryuji Temple, 2-2 Matsumoto-Cho, Nemuro. **latitude:** 43 deg. 20 min. N. **longitude:** 145 deg. 35 min. E. **remarks:** Tree upright, spreading, 16x9m. Bark dark and rough, glossy and smooth on upper branches. Leaves glossy green with insect damage. Flowers pink 3-4.5cm, showy, occurring with bronze green young leaves. Approx. 75 yrs. old. DMMT(10): -9.0 deg. C, DMMT(1): -14.2 deg. C. Wild. Seed.
- PI 510826 **donor id:** NA 58886. **origin:** Japan. **collected:** July 21, 1986. **collector:** R.M. Jefferson. **locality:** Cold area. Moist, fertile open field, forest area off Rt. 44 beyond Kokutaigi Temple, Akkeshi. **latitude:** 43 deg. 02 min. N. **longitude:** 144 deg. 09 min. E. **elevation:** 20m. **remarks:** Tree, 20x20m with spreading branches beginning 10m above ground. Trunk 1 m in diameter with rough dark brown bark. Young leaves dark bronze with flowers. Mature leaves dark green with some insect damage. Flowers dark pink with darker pink tipped petals, 3-3.5cm. Fruit few. Approx. 100 yrs. old. Wild. Seed.

PI 510787 to 510838-continued

- PI 510827 **donor id:** NA 58887. **origin:** Japan. **collected:** July 21, 1986. **collector:** R.M. Jefferson. **locality:** Cold area. Edge of broad leaf forest growing in moist fertile site, Rt. 44 beyond Kokutaigi Temple, Asseski. **latitude:** 43 deg. 02 min. N. **longitude:** 144 deg. 09 min. E. **elevation:** 20m. **remarks:** Tree wide spreading, irregular crown, large horizontal branches 25x20m. Trunk branch 8m above ground. Bark rough, dark brown. Young leaves bronze. Mature leaves medium green with insect damage. Flowers deep pink with long narrow oval slightly erect petals 3-3.5cm. Approx. 100 years old. Wild. Seed.
- PI 510828 **donor id:** NA 58888. **origin:** Japan. **collected:** July 22, 1986. **collector:** R.M. Jefferson. **locality:** Cold area. Edge of broad leaf forest growing in moist fertile soil, Rt. 44 beyond Kokutaigi Temple, Asseski. **latitude:** 43 deg. 02 min. N. **longitude:** 144 deg. 09 min. E. **elevation:** 20m. **remarks:** Tree upright with slightly conical crown, 10x8m. Trunk rough, smooth and peeling in places w/conspicuous lenticels. Young leaves dark reddish bronze. Mature leaves dark green with insect damage. Flowers pale pink with spreading oblong petals, deeper pink on edges, 3-3.5cm. Approx. 50+ yrs. Wild. Seed.
- PI 510829 **donor id:** NA 58889. **origin:** Japan. **collected:** July 22, 1986. **collector:** R.M. Jefferson. **locality:** Cold area. Dry, rocky, steep bank, 10m above open field, Rt. 44 beyond Kokutaigi Temple, Akkeshi. **latitude:** 43 deg. 02 min. N. **longitude:** 144 deg. 09 min. E. **elevation:** 30m. **remarks:** Tree, large, irregular, 20x20m. Bark rough on trunk and larger branches. Young leaves dark brown. Mature leaves medium green with little insect damage. Flowers pink, petals spreading, small. Approx. 100+ years. Wild. Seed.
- PI 510830 **donor id:** NA 58890. **origin:** Japan. **collected:** July 22, 1986. **collector:** R.M. Jefferson. **locality:** Cold area. Open, broad leaf forest, near Rt. 44 beyond Kokutaigi Temple, Akkeshi. **latitude:** 43 deg. 02 min. N. **longitude:** 144 deg. 09 min. E. **elevation:** 20m. **remarks:** Tree small, single stem, 1.5x1m with open irregular low crown. Trunk smooth in places, dark brown with lighter brown short twiggy branches. Young leaves dark brown. Flowers small, pink, some semi-double, 6-7 petals. Approx. 10 yrs. old. Possible hybrid of *P. nipponica* var. *kurilensis*. Wild. Seed.

PI 510787 to 510838-continued

- PI 510831 **donor id:** NA 58891. **origin:** Japan. **collected:** July 23, 1986. **collector:** R.M. Jefferson. **locality:** Moist soil in open forest near edge of field, Rt. 236, Hokkaido Forest Exp. Station, Shintoku. **latitude:** 43 deg. 04 min. N. **longitude:** 142 deg. 08 min. E. **elevation:** 600m. **remarks:** Tree, single stem, 15x10m. Bark rough, dark brown. Young leaves very small, dark brown occurring with flowers. Mature leaves smaller than normal 5.5-6cm, healthy, little insect damage. Flowers light pink, large, 4.5-5cm. Petals oval, overlapping and notched. Approx. 60 years old. Wild. Seed.
- PI 510832 **donor id:** NA 58892. **origin:** Japan. **collected:** July 23, 1986. **collector:** R.M. Jefferson. **locality:** Cold area. Full sun, moist soil, 20m from open pine forest, Rt. 236, Hokkaido Forest Exp. Station, Shintoku. **latitude:** 43 deg. 04 min. N. **longitude:** 142 deg. 08 min. E. **elevation:** 600m. **remarks:** Tree, single stem, 10x10m. Bark slightly rough, dark reddish brown with large lenticels. Young leaves bronze with flowers. Mature leaves dark green 6.5-7cm, some insect damage. Flowers pink 3.5-4cm with narrow petals. Fruits few. Approx. 30 years old. Wild. Seed.
- PI 510833 **donor id:** NA 58893. **origin:** Japan. **collected:** July 23, 1986. **collector:** R.M. Jefferson. **locality:** Cold area. 300m from Rt. 236 on steep mountain bank, shaded, open pine and broad leaf forest, Hokkaido Forest Exp. Station, Shintoku. **latitude:** 43 deg. 04 min. N. **longitude:** 142 deg. 08 min. E. **elevation:** 700m. **remarks:** Tree single stem with curved trunk, 12x8m branching 6m from ground. Bark dark and rough. Young leaves bronze occurring with flowers. Mature leaves healthy, some insect damage. Flowers dark pink 4.5-5cm flat with overlapping petals. Fruit few. Approx. 60 yrs. old. Wild. Seed.
- PI 510834 **donor id:** NA 58894. **origin:** Japan. **collected:** July 23, 1986. **collector:** R.M. Jefferson. **locality:** Open wooded area, moist forest site near large boulders, 700m from Rt. 236, Hokkaido Forest Exp. Station, Shintoku. **latitude:** 43 deg. 04 min. N. **longitude:** 142 deg. 08 min. E. **elevation:** 850m. **remarks:** Tree, single stem. Trunk short, thick branching 2m above ground. Bark rough. Young leaves dark green. Mature leaves with some insect damage. Flowers dark pink 3.5-4cm with broad oval petals. Fruit few. Approx. 75 yrs. old. Wild. Seed.

PI 510787 to 510838-continued

- PI 510835 donor id: NA 58895. origin: Japan. collected: July 23, 1986. collector: R.M. Jefferson. locality: Cold area. Rocky, dry bank, approx. 700m from Rt. 236, Hokkaido Forest Exp. Station, Shintoku. latitude: 43 deg. 04 min. N. longitude: 142 deg. 08 min. E. elevation: 850m. remarks: Tree, single stem, 10x5m. Bark reddish brown, smooth. Young leaves small, dark green. Mature leaves 5-6.5cm, dark green with some leaf curl and insect damage. Flowers dark pink 3-5-4cm dense on sunny side of plant. Fruit few. Approx. 25 yrs. old. Wild. Seed.
- PI 510836 donor id: NA 58896. origin: Japan. collected: July 23, 1986. collector: R.M. Jefferson. locality: Cold area. Mixed, open pine and broad leaf forest, steep mountain side. Soil dry, large rocks, Rt. 236, Hokkaido Forest Exp. Station, Shintoku. latitude: 43 deg. 04 min. N. longitude: 142 deg. 08 min. E. elevation: 900m. remarks: Tree small, multistemmed, 8x6m. Young leaves small, dark brown. Mature leaves light green, showing little insect damage. Flowers pink with narrow spreading petals 3.5-4cm. Wild. Seed.
- PI 510837 donor id: NA 58897. origin: Japan. collected: July 23, 1986. collector: R.M. Jefferson. locality: Cold area. Full sun, 40 degree slope, dry gravelly soil, Rt. 236, Hokkaido Forest Exp. Station, Shintoku. latitude: 43 deg. 04 min. N. longitude: 142 deg. 08 min. E. elevation: 650m. remarks: Tree, single stem, 3.5-4m, branching close to ground. Bark reddish brown, smooth with prominent lenticels. Leaves glossy green with little insect damage. Flowers pink, 4.5-5 cm with spreading petals, deep bronze young leaves. Approx. 15 yrs. old. Wild. Seed.
- PI 510838 donor id: NA 58898. origin: Japan. collected: July 23, 1986. collector: R.M. Jefferson. locality: Cold area. Edge of dense forest, soil moist, Rt. 236, Hokkaido Forest Exp. Station, Shintoku. latitude: 43 deg. 08 min. N. longitude: 142 deg. 08 min. E. elevation: 675m. remarks: Tree, single stem, 20x10m with open round crown. Bark smooth, chestnut brown with long lenticels. Leaves 7-9cm, long, dull green with some insect damage. Flowers pale pink, 3.-3.5cm with spreading almost flat overlapping petals, dark bronze young leaves. Fruit few. Approx. 40 yrs. old. Wild. Seed.

PI 510839. *Prunus* sp. ROSACEAE

Donated by: Jefferson, R.M., U.S. National Arboretum, USDA-ARS, Washington, D.C., United States. **remarks:** The 1986 U.S. National Arboretum Flowering Cherry (*Prunus*) Expedition to Taiwan, Korea and Japan. Received April 30, 1987.

donor id: NA 58832. **origin:** Japan. **collected:** July 04, 1986. **collector:** R.M. Jefferson. **locality:** Top of 1.5x3m rock with many roots extending over side to ground. Very cold area. Tensho, Kitakami, Iwate Ken. **latitude:** 39 deg. 18 min. N. **longitude:** 141 deg. 05 min. E. **elevation:** 700m. **remarks:** Tree, single stem, 9x15m. Bark round, almost black. Leaves dark green, oblong oval, glossy with some insect damage. Approx. 100 years old. Government protected. Wild. Seed.

PI 510840. *Prunus verecunda* (Koidz.) Koehne ROSACEAE

Donated by: Jefferson, R.M., U.S. National Arboretum, USDA-ARS, Washington, D.C., United States. **remarks:** The 1986 U.S. National Arboretum Flowering Cherry (*Prunus*) Expedition to Taiwan, Korea and Japan. Received April 30, 1987.

donor id: NA 58899. **origin:** Japan. **collected:** July 23, 1986. **collector:** R.M. Jefferson. **locality:** Steep narrow stream bank, dense forest, Rt. 38, Hokkaido Forest Exp. Station, Shintoku. **latitude:** 43 deg. 04 min. N. **longitude:** 142 deg. 08 min. E. **elevation:** 1000m. **remarks:** Tree tall, 30x8m. Bark slightly rough, dark brown. Flowers white, 2.3-3cm with almost fully developed young green leaves. Fruiting. Approx. 30 yrs. old. Wild. Seed.

PI 510841 to 510852. *Prunus x yedoensis* Matsum. ROSACEAE

Donated by: Jefferson, R.M., U.S. National Arboretum, USDA-ARS, Washington, D.C., United States. **remarks:** The 1986 U.S. National Arboretum Flowering Cherry (*Prunus*) Expedition to Taiwan, Korea and Japan. Daily mean minimum winter temperature for 10 years and for the coldest year depicted as DMMT(10) and DMMT(1). Received April 30, 1987.

PI 510841 **donor id:** NA 58814. **origin:** Japan. **collected:** June 06, 1986. **collector:** R.M. Jefferson. **locality:** Lawn area, central part of Koishikawa Botanical Garden, Tokyo Univ., Tokyo. **latitude:** 35 deg. 41 min. N. **longitude:** 139 deg. 45 min. E. **remarks:** Tree spreading, single stemmed 25x30m. Trunk large with rough bark. Leaves healthy with some insect damage. Flowers not seen. Approx. 100+ years old. DMMT(10): 1.5 deg. C, DMMT(1): 0.0 deg. C. Cultivated. Seed.

PI 510841 to 510852-continued

- PI 510842 **donor id:** NA 58828. **origin:** Japan. **collected:** June 27, 1986. **collector:** R.M. Jefferson. **locality:** Dry cultivated area about 100m from castle gate at entrance to Kanazawa University, Kanazawa, Ishikawa, Ken. **latitude:** 36 deg. 35 min. N. **longitude:** 136 deg. 38 min. E. **elevation:** 100m. **remarks:** Tree, single stem, 10x15m. Bark rough, grey black. Leaves light green, healthy with little insect damage. Approx. 80 years old. DMMT(10): 0.3 deg. C, DMMT(1): -1.7 deg. C. Cultivated. Seed.
- PI 510843 **donor id:** NA 58829. **origin:** Japan. **collected:** June 27, 1986. **collector:** R.M. Jefferson. **locality:** Dry soil on steep rocky cultivated bank near main Kenrokuen Park entrance, Kanazawa, Ishikawa Ken. **latitude:** 36 deg. 35 min. N. **longitude:** 136 deg. 38 min. E. **elevation:** 90m. **remarks:** Tree, single stem, 15x15m, trunk leaning 25 degrees. Bark rough. Leaves light green, healthy with some insect damage. Few fruits. Approx. 80 yrs. old. DMMT(10): 0.3 deg. C, DMMT(1): -1.7 deg. C. Cultivated. Seed.
- PI 510844 **donor id:** NA 58830. **origin:** Japan. **collected:** June 30, 1986. **collector:** R.M. Jefferson. **locality:** 3m above canal near entrance of Kyoto Botanical Garden, Kyoto. **latitude:** 35 deg. 02 min. N. **longitude:** 135 deg. 45 min. E. **remarks:** Tree, single stem, 20x20m. Leaves healthy, little insect damage. Approx. 50 years old. DMMT(10): 1.0 deg. C, DMMT(1): -1.4 deg. C. Cultivated. Seed.
- PI 510845 **donor id:** NA 58831. **origin:** Japan. **collected:** July 04, 1986. **collector:** R.M. Jefferson. **locality:** Yoshino cherry planting, along Kakano River, very cold area, Kakano Dake, Akita Ken. **latitude:** 39 deg. 44 min. N. **longitude:** 140 deg. 05 min. E. **elevation:** 29m. **remarks:** Seeds collected from approx. 200 trees, 80-100 years old. DMMT(10): -3.3 deg. C, DMMT(1): -5.7 deg. C. Cultivated. Seed.
- PI 510846 **donor id:** NA 58833. **origin:** Japan. **collected:** July 04, 1986. **collector:** R.M. Jefferson. **locality:** High river bank, very cold area, Tensho Park, Kitakami, Iwate Ken. **latitude:** 39 deg. 18 min. N. **longitude:** 141 deg. 05 min. E. **elevation:** 700m. **remarks:** Tree, single stem, 15x20m. Bark rough, grey black. Leaves light green, healthy with little insect damage. Fruits few. Approx. 80+ years old. Cultivated. Seed.

PI 510841 to 510852-continued

- PI 510847 donor id: NA 58834. origin: Japan. collected: July 05, 1986. collector: R.M. Jefferson. locality: Pure stand, cultivated hill around Takamatsu lake, very cold area, Takamatsu Park, Morioka, Iwate Ken. latitude: 39 deg. 43 min. N. longitude: 141 deg. 08 min. E. elevation: 600m. remarks: Trees, single stem. Flowers pinkish white. Fruits few. From 30 trees, approx. 50-100 years old. Planting similar to Potomac Park, Wash., D.C. DMMT(10): -6.3 deg. C, DMMT(1): -9.7 deg. C. Cultivated. Seed.
- PI 510848 donor id: NA 58837. origin: Japan. collected: July 08, 1986. collector: R.M. Jefferson. locality: Rt. 5, west end of Hokadate Park, Hokodate. latitude: 41 deg. 46 min. N. longitude: 140 deg. 44 min. E. elevation: 108m. remarks: Tree, single stem, approx. 20x25m. Bark very rough. Leaves light green with insect damage. Flowers white, petals broad oval, 2.5-3cm occurring with young leaves. Many flowers killed by late cold spell. DMMT(10): -7.4 deg. C, DMMT(1): -10.7 deg. C. Cultivated. Seed.
- PI 510849 donor id: NA 58838. origin: Japan. collected: July 08, 1986. collector: R.M. Jefferson. locality: Hokodate Waterworks grounds, Hokodate. latitude: 41 deg. 46 min. N. longitude: 140 deg. 44 min. E. elevation: 700m. remarks: Tree, 20x50m. Trunk grey black, approx. 3m in diameter, rough. Leaves green with some insect damage. Flowers pinkish white occurring with green young leaves. Petals cupped, spreading with age, fading to white and light purple. Approx. 100+ yrs. old. DMMT(10): -7.4 deg. C, DMMT(1): -10.7 deg. C. Cultivated. Seed.
- PI 510850 donor id: NA 58839. origin: Japan. collected: July 09, 1986. collector: R.M. Jefferson. locality: Cold area. Dry soil, Rt. 5, 10m from gravel road that runs through north edge of Oniushi Park, Mori-Machi, Kayabe Gun. latitude: 42 deg. 07 min. N. longitude: 140 deg. 03 min. E. elevation: 35m. remarks: Tree, single stem, 15x15m. Bark rough. Leaves light green, healthy. Flowers pinkish white occurring with small young leaves. Flowering later than other trees of same species nearby. Cultivated. Seed.
- PI 510851 donor id: NA 58840. origin: Japan. collected: July 10, 1986. collector: R.M. Jefferson. locality: Rt. 276, Childrens Park, Otaru City. latitude: 43 deg. 14 min. N. longitude: 140 deg. 59 min. E. remarks: Tree, single stem, 20x25m. Bark rough, almost black. Leaves light green with some insect damage. Flowers white, many, occurring with young leaves. Petals slightly cupped and overlapping. Approx. 100 years old. DMMT(10): -6.6 deg. C, DMMT(1): -9.2 deg. C. Cultivated. Seed.

PI 510841 to 510852-continued

PI 510852 **donor id:** NA 58851. **origin:** Japan. **collected:** July 13, 1986. **collector:** R.M. Jefferson. **locality:** Rt. 39, Tokiwa park, Asahikawa. **latitude:** 43 deg. 47 min. N. **longitude:** 142 deg. 22 min. E. **elevation:** 364m. **remarks:** Tree, single stem, 8x5m. Bark smooth, greyish brown. Leaves green with little insect damage. Flowers white, 2.5-3cm, with young green leaves. Petals broad oval, overlapping, notched. DMMT(10): -13.0 deg. C, DMMT(1): 18.3 deg. C. Cultivated. Seed.

PI 510853. *Prunus buergeriana* Miq. ROSACEAE

Donated by: Jefferson, R.M., U.S. National Arboretum, USDA-ARS, Washington, D.C., United States. **remarks:** The 1986 U.S. National Arboretum Flowering Cherry (*Prunus*) Expedition to Taiwan, Korea and Japan. Received April 30, 1987.

donor id: NA 58784. **origin:** Korea, Republic of. **collected:** May 30, 1986. **collector:** Graduate students, Cheju National University. **locality:** Near Tor-Orum, Mt. Hala, Cheju Island. **latitude:** 33 deg. 21 min. N. **longitude:** 126 deg. 24 min. E. **elevation:** 1100m. **remarks:** Tree, single stemmed, 9x5m. Leaves bright green when young with some insect damage. Flowers 4-6mm, white in many flowering racemes 6-7cm, occurring after leaves. Approx. 30 yrs. old. Wild. Seed.

PI 510854. *Prunus maximowiczii* Rupr. ROSACEAE

Donated by: Jefferson, R.M., U.S. National Arboretum, USDA-ARS, Washington, D.C., United States. **remarks:** The 1986 U.S. National Arboretum Flowering Cherry (*Prunus*) Expedition to Taiwan, Korea and Japan. Received April 30, 1987.

donor id: NA 58785. **origin:** Korea, Republic of. **collected:** May 30, 1986. **collector:** Graduate students, Cheju National University. **locality:** Open area, sandy soil among taller broadleaf trees. Near Youngmumsa, Mt. Hala, Cheju Island. **latitude:** 33 deg. 23 min. N. **longitude:** 126 deg. 30 min. E. **elevation:** 1600m. **remarks:** Tree, single stemmed, 10x6m. Leaves light green with abruptly pointed tips. Bark rough, dark brown. Flowers small, 1.5-2cm, white in 2-25cm racemes mostly hidden by young leaves. Approx. 70 yrs. old. Wild. Seed.

PI 510855 to 510882. *Prunus takesimensis* Nakai ROSACEAE

Donated by: Jefferson, R.M., U.S. National Arboretum, USDA-ARS, Washington, D.C., United States. **remarks:** The 1986 U.S. National Arboretum Flowering Cherry (*Prunus*) Expedition to Taiwan, Korea and Japan. Received April 30, 1987.

- PI 510855 **donor id:** NA 58786. **origin:** Korea, Republic of.
collected: June 21, 1986. **collector:** J. Hwang.
locality: School grounds, 2nd tree on left side of Tong-Gumi Elementary School, brought wild from nearby mountains, Tong-Gumi, Seo-Myun, Ullung-Kun, Ullung Island. **latitude:** 37 deg. 28 min. N. **longitude:** 130 deg. 52 min. E. **elevation:** 20m. **remarks:** Tree, small, 4m. Wild. Seed.
- PI 510856 **donor id:** NA 58787. **origin:** Korea, Republic of.
collected: June 21, 1986. **collector:** J. Hwang.
locality: School grounds, 5th tree with tag on right side of Tong-Gumi Elem. School, brought wild from nearby mountains, Tongkumi, Seo-Myun, Ullung-Kun, Ullung Island. **latitude:** 37 deg. 28 min. N. **longitude:** 130 deg. 52 min. E. **elevation:** 20m. **remarks:** Tree, small, spreading, 9m tall, branching 1.5m above ground. Wild. Seed.
- PI 510857 **donor id:** NA 58788. **origin:** Korea, Republic of.
collected: June 21, 1986. **collector:** J. Hwang.
locality: School grounds, 1st tree on right side of Tong-Gumi Elem. School, brought wild from nearby mountains, Tongkumi, Seo-Myun, Ullung-Kun, Ullung Island. **latitude:** 37 deg. 28 min. N. **longitude:** 130 deg. 49 min. E. **elevation:** 20m. **remarks:** Tree, spreading, 6m tall, branching 2m above ground. Flowers pinkish. Wild. Seed.
- PI 510858 **donor id:** NA 58789. **origin:** Korea, Republic of.
collected: June 21, 1986. **collector:** J. Hwang.
locality: Near Jaebok Kim's house, growing on 30 degree hillside slope along small stream (Gul-bawi) in clay soil, Kuam-ri (Mulckingching), Soe-Myun, Ullung-Kun, Ullung Island. **latitude:** 37 deg. 29 min. N. **longitude:** 130 deg. 49 min. E. **elevation:** 40m. **remarks:** Tree, 7m tall. Flowers white. Wild. Seed.
- PI 510859 **donor id:** NA 58790. **origin:** Korea, Republic of.
collected: June 21, 1986. **collector:** J. Hwang.
locality: In bamboo and black pine field growing in dry loam, Kum-ri (Mulchingching) Soe-Myun, Ullung-Kun, Ullung Island. **latitude:** 37 deg. 29 min. N. **longitude:** 130 deg. 49 min. E. **elevation:** 40-50m. **remarks:** Tree, multistemmed, 3.5m tall. Flowers white. Wild. Seed.

PI 510855 to 510882-continued

- PI 510860 donor id: NA 58791. origin: Korea, Republic of.
collected: June 21, 1986. collector: J. Hwang.
locality: On edge of crop field, Kuam-ri, Soe-Myun,
Ullung-Kun, Ullung Island. latitude: 37 deg. 29 min. N.
longitude: 130 deg. 49 min. E. elevation: 50m. remarks:
Tree, 6m. Flowers white with short pedicels. Leaves
appear later than other nearby plants of same species.
Wild. Seed.
- PI 510861 donor id: NA 58792. origin: Korea, Republic of.
collected: June 21, 1986. collector: J. Hwang.
locality: On edge of crop field, Kuam-ri, Soe-Myun,
Ullung-Kun, Ullung Island. latitude: 27 deg. 29 min. N.
longitude: 130 deg. 49 min. E. elevation: 50m. remarks:
Tree, 6m. Leaves develop early. Wild. Seed.
- PI 510862 donor id: NA 58793. origin: Korea, Republic of.
collected: June 21, 1986. collector: J. Hwang.
locality: Near house, Tongkumi, Seo-Myun, Ullung-Kun,
Ullung Island. latitude: 37 deg. 29 min. N. longitude:
130 deg. 49 min. E. remarks: Tree, low growing, 3-5m
tall. Flower clusters and fruit larger than normal. Early
blooming. Wild. Seed.
- PI 510863 donor id: NA 58794. origin: Korea, Republic of.
collected: June 21, 1986. collector: J. Hwang.
locality: Along stream in wet soil, near Myung Whan Suh's
house. 2-Dong Nam, Seo-Dong, Seo-Myun, Ullung Kun, Ullung
Island. latitude: 37 deg. 29 min. N. longitude: 130
deg. 49 min. E. elevation: 200m. remarks: Tree, small,
2.5m tall. Flowers pinkish. Wild. Seed.
- PI 510864 donor id: NA 58795. origin: Korea, Republic of.
collected: June 21, 1986. collector: J. Hwang.
locality: Along stream in wet soil, near Duk Jo Kwan's
house, 2-Dong Nam, Seo-Dong, Seo-Myun, Ullung Kun, Ullung
Island. latitude: 37 deg. 29 min. N. longitude: 130
deg. 50 min. E. elevation: 200m. remarks: Plant
multistemmed, 3m tall. Flowers white. Wild. Seed.
- PI 510865 donor id: NA 58796. origin: Korea, Republic of.
collected: June 21, 1986. collector: J. Hwang.
locality: Along stream in wet soil, 2-Dong Nam, Seo-Dong,
Seo-Myun, Ullung Kun, Ullung Island. latitude: 37 deg.
29 min. N. longitude: 130 deg. 50 min. E. elevation:
320m. remarks: Tree, small, 4m tall. Flowers white.
Wild. Seed.

PI 510855 to 510882-continued

- PI 510866 **donor id:** NA 58797. **origin:** Korea, Republic of.
collected: June 21, 1986. **collector:** J. Hwang.
locality: Along stream in wet soil, near Bong Jae Cho's house, 2-Dong Nam, Seo-Dong, Seo-Myun, Ullung-Kun, Ullung Island. **latitude:** 37 deg. 29 min. N. **longitude:** 130 deg. 50 min. E. **elevation:** 320m. **remarks:** Tree, small, 4m tall. Flowers white. Wild. Seed.
- PI 510867 **donor id:** NA 58798. **origin:** Korea, Republic of.
collected: June 21, 1986. **collector:** J. Hwang.
locality: On left side of rock near house next to B.J. Cho's residence in valley, 2-Dong Nam, Seo Dong, Seo-Myun, Ullung-Kun, Ullung Island. **latitude:** 37 deg. 29 min. N. **longitude:** 130 deg. 50 min. E. **elevation:** 320m. **remarks:** Tree, large, 8m tall. No flower specimens collected. Wild. Seed.
- PI 510868 **donor id:** NA 58799. **origin:** Korea, Republic of.
collected: June 21, 1986. **collector:** J. Hwang.
locality: Growing on hillside, about 70m from path from Tacha-dong to' Hyonpo-dons, Seo-Myun, Ullung Island. **latitude:** 37 deg. 30 min. N. **longitude:** 130 deg. 49 min. E. **remarks:** Tree, large, 10m. Flowers white. Many fruits dropped early because of wind damage. Wild. Seed.
- PI 510869 **donor id:** NA 58801. **origin:** Korea, Republic of.
collected: June 21, 1986. **collector:** J. Hwang.
locality: Growing in front of Dooha Kim's house on flat land, on north side of island, Hyun Pu-ri, Buk-myun, Ullung Island. **latitude:** 37 deg. 31 min. N. **longitude:** 130 deg. 49 min. E. **elevation:** 60m. **remarks:** Tree, large, 6m tall. Flowers white in large clusters. Wild. Seed.
- PI 510870 **donor id:** NA 58801. **origin:** Korea, Republic of.
collected: June 21, 1986. **collector:** J. Hwang.
locality: Growing on 45 deg. slope, right side of road facing north near path from Cheon-bu Elem. School, Hyun Pu-ri, Buk-myun, Ullung Island. **latitude:** 37 deg. 32 min. N. **longitude:** 130 deg. 53 min. E. **elevation:** 200m. **remarks:** Tree, 4m tall. Flowers white. Wild. Seed.
- PI 510871 **donor id:** NA 58802. **origin:** Korea, Republic of.
collected: June 21, 1986. **collector:** J. Hwang.
locality: Flat land, left side of road past 4th tree, Hyun Pu-ri, Buk-myun, Ullung Island. **latitude:** 37 deg. 32 min. N. **longitude:** 130 deg. 53 min. E. **elevation:** 60m. **remarks:** Tree, 6m tall. Flowers white. Wild. Seed.

PI 510855 to 510882-continued

- PI 510872 donor id: NA 58803. origin: Korea, Republic of.
collected: June 21, 1986. collector: J. Hwang.
locality: Flat land, right side of road. Hyun Pu-Ri,
Buk-Myun, Ullung Island. latitude: 37 deg. 32 min. N.
longitude: 130 deg. 53 min. E. elevation: 60m. remarks:
Tree, large, 7m tall. Flowers white. Wild. Seed.
- PI 510873 donor id: NA 58804. origin: Korea, Republic of.
collected: June 21, 1986. collector: J. Hwangson.
locality: Slope, left side of bamboo field near stream
behind Ullung- High School, Ullung-up, Jeo-pong, Ullung
Island. latitude: 37 deg. 29 min. N. longitude: 130
deg. 54 min. E. elevation: 30m. remarks: Tree, 6m tall.
Flowers white. Wild. Seed.
- PI 510874 donor id: NA 58805. origin: Korea, Republic of.
collected: June 21, 1986. collector: H. Lee. locality:
Slope, left side of bamboo field near stream behind
Ullung- High School, Ullung-up, Jeo-pong, Ullung Island.
latitude: 37 deg. 29 min. N. longitude: 130 deg. 54 min.
E. elevation: 30m. remarks: Tree, 6m tall. Flowers
white. Wild. Seed.
- PI 510875 donor id: NA 58806. origin: Korea, Republic of.
collected: June 21, 1986. collector: H. Lee. locality:
Near natural spring, on flat land, Do-dong, Ullung-up,
Ullung Island. latitude: 37 deg. 29 min. N. longitude:
130 deg. 54 min. E. remarks: Tree, 7m tall. Flowers
white. Wild. Seed.
- PI 510876 donor id: NA 58807. origin: Korea, Republic of.
collected: June 21, 1986. collector: H. Lee. locality:
Across from Education Admin Bldg. on 35 deg. mountain
slope, Do-dong, Ullung-up, Ullung Island. latitude: 37
deg. 26 min. N. longitude: 130 deg. 54 min. E.
elevation: 100m. remarks: Tree, large, 8m tall. Flowers
white. Wild. Seed.
- PI 510877 donor id: NA 58808. origin: Korea, Republic of.
collected: June 21, 1986. collector: H. Lee. locality:
Near top of Mt. Sonin-Bong, Buk-myun, Ullung Island.
latitude: 37 deg. 30 min. N. longitude: 130 deg. 53 min.
E. elevation: 700m. remarks: Tree, large,
three-stemmed, 15m tall. Flowers white. Wild. Seed.
- PI 510878 donor id: NA 58809. origin: Korea, Republic of.
collected: June 21, 1986. collector: H. Lee. locality:
Near top of Mt. Sonin-Bong, Buk-myun, Ullung Island.
latitude: 37 deg. 29 min. N. longitude: 130 deg. 51 min.
E. elevation: 700m. remarks: Tree, large, 15m tall.
Nine seeds per gram, other specimens of *P. takesimensis*
4-6 seeds per gram. Wild. Seed.

PI 510855 to 510882-continued

- PI 510879 **donor id:** NA 58810. **origin:** Korea, Republic of.
collected: June 21, 1986. **collector:** H. Lee. **locality:**
Near top of Mt. Sonin-Bong, Buk-myun, Ullung Island. **latitude:**
37 deg. 30 min. N. **longitude:** 130 deg. 52 min. E. **elevation:** 700m. **remarks:** Tree, large, 15m tall.
Wild. Seed.
- PI 510880 **donor id:** NA 58811. **origin:** Korea, Republic of.
collected: June 21, 1986. **collector:** H. Lee. **locality:**
Woodland, Mt. Albong, Buk-myun, Ullung Island. **latitude:**
37 deg. 30 min. N. **longitude:** 130 deg. 51 min. E. **elevation:** 500m. **remarks:** Tree, 7m tall. Wild. Seed.
- PI 510881 **donor id:** NA 58812. **origin:** Korea, Republic of.
collected: June 21, 1986. **collector:** H. Lee. **locality:**
Woodland, Mt. Albong, Buk-myun, Ullung Island. **latitude:**
37 deg. 30 min. N. **longitude:** 130 deg. 51 min. E. **elevation:** 500m. **remarks:** Tree, 8m tall. Wild. Seed.
- PI 510882 **donor id:** NA 58813. **origin:** Korea, Republic of.
collected: June 21, 1986. **collector:** H. Lee. **locality:**
Woodland, Mt. Albong, Buk-myun, Ullung Island. **latitude:**
37 deg. 31 min. N. **longitude:** 130 deg. 51 min. E. **elevation:** 500m. **remarks:** Tree, small, 5m tall. Wild.
Seed.

PI 510883 to 510889. *Prunus cerasoides* var. *campanulata* (Maxim.) Koidz.
ROSACEAE

Donated by: Jefferson, R.M., U.S. National Arboretum, USDA-ARS,
Washington, D.C., United States. **remarks:** The 1986 U.S. National
Arboretum Flowering Cherry (*Prunus*) Expedition to Taiwan, Korea and
Japan. Received April 30, 1987.

- PI 510883 **donor id:** NA 58774. **origin:** Taiwan. **collected:** April
05, 1986. **collector:** F.J. Pan. **locality:** Mt. Alishan.
latitude: 23 deg. 35 min. N. **longitude:** 121 deg. 00 min.
E. **elevation:** 1600-1900m. **remarks:** Flowers pale pink at
lower levels, increasingly darker pink to red at higher
elevations. Seeds from many beautiful trees in bloom on
March 15, 1986. Temp. at sea level DMMT(10): 9.2 deg. C,
DMMT(1): 8.4 deg. C. Wild. Seed.

PI 510883 to 510889-continued

- PI 510884 donor id: NA 58775. origin: Taiwan. collected: April 05, 1986. collector: F.J. Pan. locality: Rocky, sloped site, high mountain area, about 40km SE of Woshe, near Hsitou & Teh-Chi Reservoir. latitude: 23 deg. 45 min. N. longitude: 120 deg. 25 min. E. elevation: 1100m. remarks: Tree healthy, single-stemmed, 7x4m. Bark rough, dark brown. Leaves glabrous, dark green, some insect damage. Flowers red with dark red calyx tube. Associated with weedy broad-leaved trees and shrubs. About 50 yrs. old. Temp. at sea level DMMT(10): 9.4 deg. C, DMMT(1): 8.6 deg. C. Wild. Seed.
- PI 510885 donor id: NA 58776. origin: Taiwan. collected: April 05, 1986. collector: F.J. Pan. locality: Open, rocky area, high mountain side, about 40km SE of Woshe, near Hsitou & Teh-Chi Reservoir. latitude: 23 deg. 45 min. N. longitude: 120 deg. 20 min. E. elevation: 1450m. remarks: Tree, single-stemmed, 8x6m. Leaves large, 6-9cm long, green some insect damage. Flowers dark pink with red calyx tube. Approx. 75 yrs. old. Temp. at sea level DMMT(10): 9.4 deg. C, DMMT(1): 8.2 deg. C. Wild. Seed.
- PI 510886 donor id: NA 58777. origin: Taiwan. collected: April 06, 1986. collector: F.J. Pan. locality: High mountains between Chia-yi and Taiching. latitude: 23 deg. 15 min. N. longitude: 120 deg. 15 min. E. elevation: 700-1700m. remarks: Tree. Temp. at sea level DMMT(10): 9.4 deg. C, DMMT(1): 8.2 deg. C. Wild. Seed.
- PI 510887 donor id: NA 58778. origin: Taiwan. collected: April 18, 1986. collector: R.M. Jefferson. locality: Moist, rocky soil, mountains near Kukuan. latitude: 23 deg. 40 min. N. longitude: 120 deg. 25 min. E. elevation: 1970m. remarks: Tree, single-stemmed, crooked. Flowers dark pink, 1.5cm, campanulate, pendulous with dark red reflexed sepals. Temp. at sea level DMMT(10): 9.4 deg. C, DMMT(1): 8.2 deg. C. Wild. Seed.
- PI 510888 donor id: NA 58779. origin: Taiwan. collected: April 18, 1986. collector: R.M. Jefferson. locality: Mountain slope near train tracks, Kao-Hsiung, Hsien. latitude: 23 deg. N. longitude: 120 deg. 15 min. E. elevation: 800m. remarks: Tree, single-stemmed, 8x4m. Leaves glossy green. Flowers dark pink. Approx. 100 years old. Temp. at sea level DMMT(10): 9.4 deg. C, DMMT(1): 8.2 deg. C. Wild. Seed.

PI 510883 to 510889-continued

PI 510889 donor id: NA 58780. origin: Taiwan. collected: April 11, 1986. collector: R.M. Jefferson. locality: Near pond, Mt. Yangmingshan, near Yangminghan. latitude: 25 deg. 15 min. N. longitude: 121 deg. 45 min. E. elevation: 800m. remarks: Tree, very large, single-stemmed, 10x15m. Leaves dark green with little insect damage. Flowers reported to be very dark red. Seeds collected from ground. Approx. 100 yrs. old. Temp. at sea level DMMT(10): 10.1 deg. C, DMMT(1): 9.3 deg. C. received as: *P. campanulata*. Wild. Seed.

PI 510890 to 510891. *Prunus takasagomontana* Sas. ROSACEAE

Donated by: Jefferson, R.M., U.S. National Arboretum, USDA-ARS, Washington, D.C., United States. remarks: The 1986 U.S. National Arboretum Flowering Cherry (*Prunus*) Expedition to Taiwan, Korea and Japan. Daily mean minimum winter temperature for 10 years and for the coldest year depicted as DMMT(10) and DMMT(1). Received April 30, 1987.

PI 510890 donor id: NA 58781. origin: Taiwan. collected: June 12, 1986. collector: R.M. Jefferson. locality: Dry mountain slope, 60m up hill from narrow dirt road. Endemic, wild from mountains near Ilan. latitude: 25 deg. N. longitude: 121 deg. 50 min. E. elevation: 1900m. remarks: Tree, single-stemmed, 8x4m, rare. Leaves green, glabrous above, pubescent beneath, 3-5cm. Fruit black, abundant. No flowers seen. Temp. at sea level DMMT(10): 10.1 deg. C, DMMT(1): 9.6 deg. C. Wild. Seed.

PI 510891 donor id: NA 58782. origin: Taiwan. collected: June 12, 1986. collector: R.M. Jefferson. locality: Rocky, dry, 10m down hill from PI 510890. Endemic wild from mountains near Ilan. latitude: 25 deg. N. longitude: 121 deg. 50 min. E. elevation: 1900m. remarks: Tree, single stemmed, 7x4m. Leaves large, 4-6m, green with insect damage. No flowers. Fruit abundant. Temp. at sea level DMMT(10): 10.1 deg. C, DMMT(1): 9.6 deg. C. Wild. Seed.

PI 510892. *Prunus taiwaniana* Hayata ROSACEAE

Donated by: Jefferson, R.M., U.S. National Arboretum, USDA-ARS, Washington, D.C., United States. remarks: The 1986 U.S. National Arboretum Flowering Cherry (*Prunus*) Expedition to Taiwan, Korea and Japan. Received April 30, 1987.

PI 510892-continued

donor id: NA 58783. **origin:** Taiwan. **collected:** June 12, 1986. **collector:** R.M. Jefferson. **locality:** Dry, rocky mountain area on steep slope, near Chia-Yang (about) 10km W of Ishan, Taichung County. **latitude:** 23 deg. 45 min. N. **longitude:** 121 deg. 25 min. E. **elevation:** 1800m. **remarks:** Tree, single-stemmed, 8x5m. Leaves 2.5x12cm, very dull green with thin petioles. Temp. at sea level DMMT(10): 9.4 deg C, DMMT(1): 8.2 deg. C. Wild. Seed.

PI 510893 to 511023. *Sorghum bicolor* (L.) Moench POACEAE Sorghum

Donated by: Rao, P., Genetic Resources Unit, ICRISAT, Patancheru P.O. 502-324, Andhra Pradesh, India. **remarks:** Received through IBPGR, Rome, Italy. Duplicated at ICRISAT. Received November 1980.

PI 510893 **donor id:** IS-22232. **origin:** Botswana. **local name:** Tlele (Sweet stalk). **collected:** May 1980. **collector:** P. Rao, M. Boling, C. Riches. **collector id:** PMC-5. **other id:** NSL 114058. **locality:** Field, Kopong, Kweneng District. **remarks:** Sown January, harvested May. Annual. Cultivated. Seed.

PI 510894 **donor id:** PMC-6. **origin:** Botswana. **local name:** Kgamtlape. **collected:** May 1980. **collector:** P. Rao, M. Boling, C. Riches. **collector id:** PMC-6. **other id:** NSL 114059. **locality:** Field, Kopong, Kweneng District. **remarks:** Sown January, harvested May. Annual. Cultivated. Seed.

PI 510895 **donor id:** IS-22233. **origin:** Botswana. **local name:** Kgamtlape. **collected:** May 1980. **collector:** P. Rao, M. Boling, C. Riches. **collector id:** PMC-7. **other id:** NSL 114060. **locality:** Field, Kopong, Kweneng District. **remarks:** Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.

PI 510896 **donor id:** IS-22234. **origin:** Botswana. **local name:** Kgamtlape. **collected:** May 1980. **collector:** P. Rao, M. Boling, C. Riches. **collector id:** PMC-8. **other id:** NSL 114061. **locality:** Field, Kopong, Kweneng District. **remarks:** Sown January, harvested May. Race Bicolor. Annual. Cultivated. Seed.

PI 510897 **donor id:** IS-22235. **origin:** Botswana. **local name:** Kgamtlape. **collected:** May 1980. **collector:** P. Rao, M. Boling, C. Riches. **collector id:** PMC-9. **other id:** NSL 114062. **locality:** Field, Kopong, Kweneng District. **remarks:** Sown January, harvested May. Race Bicolor-kafir. Annual. Cultivated. Seed.

PI 510893 to 511023-continued

- PI 510898 donor id: PMC-10. origin: Botswana. local name: Lethejane. collected: May 1980. collector: P. Rao, M. Boling, C. Riches. collector id: PMC-10. other id: NSL 114063. locality: Field, Kopong, Kweneng District. remarks: Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.
- PI 510899 donor id: IS-22236. origin: Botswana. local name: Lethejane. collected: May 1980. collector: P. Rao, M. Boling, C. Riches. collector id: PMC-11. other id: NSL 114064. locality: Field, Kopong, Kweneng District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510900 donor id: IS-22237. origin: Botswana. local name: Renkope. collected: May 1980. collector: P. Rao, M. Boling, C. Riches. collector id: PMC-12. other id: NSL 114065. locality: Field, Kopong, Kweneng District. remarks: Sown January, harvested May. Annual. Cultivated. Seed.
- PI 510901 donor id: IS-22238. origin: Botswana. local name: Town. collected: May 1980. collector: P. Rao, M. Boling, C. Riches. collector id: PMC-13. other id: NSL 114066. locality: Field, Kopong, Kweneng District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510902 donor id: PMC-14. origin: Botswana. local name: Monoane. collected: May 1980. collector: P. Rao, M. Boling, C. Riches. collector id: PMC-14. other id: NSL 114067. locality: Field, Kopong, Kweneng District. remarks: Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.
- PI 510903 donor id: IS-22239. origin: Botswana. local name: Monoane. collected: May 1980. collector: P. Rao, M. Boling, C. Riches. collector id: PMC-15. other id: NSL 114068. locality: Field, Kopong, Kweneng District. remarks: Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.
- PI 510904 donor id: IS-22240. origin: Botswana. local name: Segalane. collected: May 1980. collector: P. Rao, M. Boling, C. Riches. collector id: PMC-16. other id: NSL 114069. locality: Field, Kopong, Kweneng District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.

PI 510893 to 511023-continued

- PI 510905 donor id: PMC-17. origin: Botswana. local name: Nkotsane. collected: May 1980. collector: P. Rao, M. Boling, C. Riches. collector id: PMC-17. other id: NSL 114070. locality: Field, Kopong, Kweneng District. remarks: Sown January, harvested May. Race Durra. Annual. Cultivated. Seed.
- PI 510906 donor id: IS-22241. origin: Botswana. local name: Sweetrid. collected: May 1980. collector: P. Rao, M. Boling, C. Riches. collector id: PMC-18A. other id: NSL 114071. locality: Field, Kopong, Kweneng District. remarks: Sown January, harvested May. Annual. Cultivated. Seed.
- PI 510907 donor id: IS-22242. origin: Botswana. local name: Nkgopo. collected: May 1980. collector: P. Rao, M. Boling, C. Riches. collector id: PMC-19. other id: NSL 114072. locality: Field, Metabelang, Kgatleng District. remarks: Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.
- PI 510908 donor id: IS-22243. origin: Botswana. local name: Redford. collected: May 1980. collector: P. Rao, M. Boling, C. Riches. collector id: PMC-20. other id: NSL 114073. locality: Field, Metabelang, Kgatleng District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510909 donor id: PMC-24. origin: Botswana. local name: Kanye standard. collected: May 1980. collector: P. Rao, M. Boling, C. Riches. collector id: PMC-24. other id: NSL 114074. locality: Field, Metabelang, Kgatleng District. remarks: Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.
- PI 510910 donor id: IS-22244. origin: Botswana. collected: May 1980. collector: P. Rao, M. Boling. collector id: PM-31. other id: NSL 114075. locality: Field, Goodhope, Southern District. remarks: Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.
- PI 510911 donor id: IS-22245. origin: Botswana. collected: May 1980. collector: P. Rao, M. Boling. collector id: PM-32. other id: NSL 114076. locality: Field, Goodhope, Southern District. remarks: Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.
- PI 510912 donor id: IS-22246. origin: Botswana. local name: 8-D. collected: May 1980. collector: P. Rao, M. Boling. collector id: PM-33. other id: NSL 114077. locality: Field, Goodhope, Southern District. remarks: Sown January, harvested May. Annual. Cultivated. Seed.

PI 510893 to 511023-continued

- PI 510913 donor id: IS-22247. origin: Botswana. local name: Marupantse. collected: May 1980. collector: P. Roa, M. Boling. collector id: PM-34. other id: NSL 114078. locality: Field, Goodhope, Southern District. remarks: Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.
- PI 510914 donor id: IS-22248. origin: Botswana. local name: Marupantse. collected: May 1980. collector: P. Roa, M. Boling. collector id: PM-35. other id: NSL 114079. locality: Field, Goodhope, Southern District. remarks: Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.
- PI 510915 donor id: IS-22249. origin: Botswana. local name: Marupantse. collected: May 1980. collector: P. Roa, M. Boling. collector id: PM-36. other id: NSL 114080. locality: Field, Goodhope, Southern District. remarks: Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.
- PI 510916 donor id: IS-22250. origin: Botswana. collected: May 1980. collector: P. Roa, M. Boling. collector id: PM-37. other id: NSL 114081. locality: Field, Goodhope, Southern District. remarks: Sown January, harvested May. Race Kafir-guinea. Annual. Cultivated. Seed.
- PI 510917 donor id: IS-22251. origin: Botswana. collected: May 1980. collector: P. Roa, M. Boling. collector id: PM-38. other id: NSL 114082. locality: Field, Goodhope, Southern District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510918 donor id: IS-22252. origin: Botswana. collected: May 1980. collector: P. Roa, M. Boling. collector id: PM-39. other id: NSL 114083. locality: Field, Goodhope, Southern District. remarks: Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.
- PI 510919 donor id: IS-22253. origin: Botswana. collected: May 1980. collector: P. Roa, M. Boling. collector id: PM-40. other id: NSL 114084. locality: Field, Goodhope, Southern District. remarks: Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.
- PI 510920 donor id: IS-22254. origin: Botswana. collected: May 1980. collector: P. Roa, M. Boling. collector id: PM-41. other id: NSL 114085. locality: Field, Goodhope, Southern District. remarks: Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.

PI 510893 to 511023-continued

- PI 510921 donor id: IS-22255. origin: Botswana. collected: May 1980. collector: P. Roa, M. Boling. collector id: PM-42. other id: NSL 114086. locality: Field, Goodhope, Southern District. remarks: Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.
- PI 510922 donor id: IS-22256. origin: Botswana. local name: Segaolane. collected: May 1980. collector: P. Roa, M. Boling. collector id: PM-43. other id: NSL 114087. locality: Field, Goodhope, Southern District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510923 donor id: PM-44. origin: Botswana. local name: Segaolane. collected: May 1980. collector: P. Roa, M. Boling. collector id: PM-44. other id: NSL 114088. locality: Field, Goodhope, Southern District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510924 donor id: IS-22257. origin: Botswana. local name: Segaolane. collected: May 1980. collector: P. Roa, M. Boling. collector id: PM-45. other id: NSL 114089. locality: Field, Goodhope, Southern District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510925 donor id: IS-22258. origin: Botswana. local name: Segaolane. collected: May 1980. collector: P. Roa, M. Boling. collector id: PM-46. other id: NSL 114090. locality: Field, Odi, Kgatleng District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510926 donor id: IS-22259. origin: Botswana. local name: Town. collected: May 1980. collector: P. Roa, M. Boling. collector id: PM-47. other id: NSL 114091. locality: Field, Mopane, Kgatleng District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510927 donor id: PM-48. origin: Botswana. collected: May 1980. collector: P. Roa, M. Boling. collector id: PM-48. other id: NSL 114092. locality: Field, Mopane, Kgatleng District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510928 donor id: IS-22260. origin: Botswana. collected: May 1980. collector: P. Roa, M. Boling. collector id: PM-49. other id: NSL 114093. locality: Field, Mopane, Kgatleng District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.

PI 510893 to 511023-continued

- PI 510929 donor id: IS-22261. origin: Botswana. collected: May 1980. collector: P. Roa, M. Boling. collector id: PM-50. other id: NSL 114094. locality: Field, Mopane, Kgatleng District. remarks: Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.
- PI 510930 donor id: IS-22262. origin: Botswana. collected: May 1980. collector: P. Roa, M. Boling. collector id: PM-51. other id: NSL 114095. locality: Field, Mopane, Kgatleng District. remarks: Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.
- PI 510931 donor id: IS-22263. origin: Botswana. local name: Segaolane. collected: May 1980. collector: P. Roa, M. Boling. collector id: PM-64. other id: NSL 114096. locality: Field, Mopane, Kgatleng District. remarks: Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.
- PI 510932 donor id: IS-22264. origin: Botswana. local name: Motlarane. collected: May 1980. collector: P. Roa, M. Boling. collector id: PM-65. other id: NSL 114097. locality: Field, Mopane, Kgatleng District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510933 donor id: IS-22265. origin: Botswana. local name: Motlarane. collected: May 1980. collector: P. Roa, M. Boling. collector id: PM-66. other id: NSL 114098. locality: Field, Mopane, Kgatleng District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510934 donor id: IS-22266. origin: Botswana. local name: Segaolane. collected: May 1980. collector: P. Roa, M. Boling. collector id: PM-70. other id: NSL 114099. locality: Field, Mopane, Kgatleng District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510935 donor id: IS-22267. origin: Botswana. local name: Kanye. collected: May 1980. collector: P. Roa, M. Boling. collector id: PM-71. other id: NSL 114100. locality: Field, Mopane, Kgatleng District. remarks: Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.

PI 510893 to 511023-continued

- PI 510936 donor id: IS-22268. origin: Botswana. local name: Kanye. collected: May 1980. collector: P. Roa, M. Boling. collector id: PM-72. other id: NSL 114101. locality: Field, Mopalane, Kgatleng District. remarks: Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.
- PI 510937 donor id: PMK-75. origin: Botswana. local name: Regop. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-75. other id: NSL 114102. locality: Field, Mahalapye, Central District. remarks: Sown January, harvested May. Race Durra. Annual. Cultivated. Seed.
- PI 510938 donor id: IS-22269. origin: Botswana. local name: Regop. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-76. other id: NSL 114103. locality: Field, Mahalapye, Central District. remarks: Sown January, harvested May. Race Durra. Annual. Cultivated. Seed.
- PI 510939 donor id: IS-22270. origin: Botswana. local name: Regop. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-77. other id: NSL 114104. locality: Field, Mahalapye, Central District. remarks: Sown January, harvested May. Race Durra. Annual. Cultivated. Seed.
- PI 510940 donor id: IS-22271. origin: Botswana. local name: Potse. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-78. other id: NSL 114105. locality: Field, Mahalapye, Central District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510941 donor id: IS-22272. origin: Botswana. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-79. other id: NSL 114106. locality: Field, Mahalapye, Central District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510942 donor id: IS-22273. origin: Botswana. local name: Sweetrid. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-80. other id: NSL 114107. locality: Field, Mahalapye, Central District. remarks: Sown January, harvested May. Race Guinea-bicolor. Annual. Cultivated. Seed.

PI 510893 to 511023-continued

- PI 510943 donor id: IS-22274. origin: Botswana. local name: Motlarane. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-81. other id: NSL 114108. locality: Field, Mahalapye, Central District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510944 donor id: IS-22275. origin: Botswana. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-82. other id: NSL 114109. locality: Field, Mahalapye, Central District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510945 donor id: IS-22276. origin: Botswana. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-83. other id: NSL 114110. locality: Field, Mahalapye, Central District. remarks: Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.
- PI 510946 donor id: IS-22277. origin: Botswana. local name: Segalane. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-87. other id: NSL 114111. locality: Field, Mahalapye, Central District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510947 donor id: PMK-88. origin: Botswana. local name: Lethejane. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-88. other id: NSL 114112. locality: Field, Mahalapye, Central District. remarks: Sown January, harvested May. Race Guinea-kafir. Annual. Cultivated. Seed.
- PI 510948 donor id: IS-22278. origin: Botswana. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-89. other id: NSL 114113. locality: Field, Mahalapye, Central District. remarks: Sown January, harvested May. Race Guinea-kafir. Annual. Cultivated. Seed.
- PI 510949 donor id: IS-22279. origin: Botswana. local name: Large glume sorghum. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-90. other id: NSL 114114. locality: Field, Mahalapye, Central District. remarks: Sown January, harvested May. Race Durra. Membranaceous. Annual. Cultivated. Seed.

PI 510893 to 511023-continued

- PI 510950 donor id: IS-22280. origin: Botswana. local name: Segaolane. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-91. other id: NSL 114115. locality: Field, Mahalapye, Central District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510951 donor id: IS-22281. origin: Botswana. local name: Segaolane. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-92. other id: NSL 114116. locality: Field, Mahalapye, Central District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510952 donor id: IS-22282. origin: Botswana. local name: Sweetrid. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-93. other id: NSL 114117. locality: Field, Mahalapye, Central District. remarks: Sown January, harvested May. Annual. Cultivated. Seed.
- PI 510953 donor id: IS-22283. origin: Botswana. local name: Regop. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-94. other id: NSL 114118. locality: Field, Mahalapye, Central District. remarks: Sown January, harvested May. Race Durra. Membranaceous. Annual. Cultivated. Seed.
- PI 510954 donor id: IS-22284. origin: Botswana. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-95. other id: NSL 114119. locality: Field, Mahalapye, Central District. remarks: Sown January, harvested May. Race Guinea. Annual. Cultivated. Seed.
- PI 510955 donor id: IS-22285. origin: Botswana. local name: Motlarane. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-96. other id: NSL 114120. locality: Field, Mahalapye, Central District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510956 donor id: IS-22286. origin: Botswana. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-97. other id: NSL 114121. locality: Field, Mahalapye, Central District. remarks: Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.
- PI 510957 donor id: IS-22287. origin: Botswana. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-98. other id: NSL 114122. locality: Field, Mahalapye, Central District. remarks: Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.

PI 510893 to 511023-continued

- PI 510958 donor id: IS-22288. origin: Botswana. local name: Sokotane. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-99. other id: NSL 114123. locality: Field, Maletse, Central District. remarks: Sown January, harvested May. Race Durra. Annual. Cultivated. Seed.
- PI 510959 donor id: IS-22289. origin: Botswana. local name: Matseloje. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-100. other id: NSL 114124. locality: Field, Maletse, Central District. remarks: Sown January, harvested May. Race Guinea. Annual. Cultivated. Seed.
- PI 510960 donor id: IS-22290. origin: Botswana. local name: Mokoloboto. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-101. other id: NSL 114125. locality: Field, Maletse, Central District. remarks: Sown January, harvested May. Race Guinea-kafir. Annual. Cultivated. Seed.
- PI 510961 donor id: IS-22291. origin: Botswana. local name: Matseloje. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-103. other id: NSL 114126. locality: Field, Seleka, Central District. remarks: Sown January, harvested May. Race Guinea. Annual. Cultivated. Seed.
- PI 510962 donor id: PMK-104. origin: Botswana. local name: Matseloje. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-104. other id: NSL 114127. locality: Field, Seleka, Central District. remarks: Sown January, harvested May. Race Guinea. Annual. Cultivated. Seed.
- PI 510963 donor id: IS-22292. origin: Botswana. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-105. other id: NSL 114128. locality: Field, Seleka, Central District. remarks: Sown January, harvested May. Race Guinea-kafir. Annual. Cultivated. Seed.
- PI 510964 donor id: IS-22293. origin: Botswana. local name: Motlarane. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-106. other id: NSL 114129. locality: Field, Seleka, Central District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.

PI 510893 to 511023-continued

- PI 510965 donor id: IS-22294. origin: Botswana. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-108. other id: NSL 114130. locality: Field, Seleka, Central District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510966 donor id: IS-22295. origin: Botswana. local name: Sekalaoje. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-109. other id: NSL 114131. locality: Field, Masama, Central District. remarks: Sown January, harvested May. Race Guinea-kafir. Annual. Cultivated. Seed.
- PI 510967 donor id: IS-22296. origin: Botswana. local name: Mutharane. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-110. other id: NSL 114132. locality: Field, Masama, Central District. remarks: Sown January, harvested May. Race Durra. Annual. Cultivated. Seed.
- PI 510968 donor id: IS-22297. origin: Botswana. local name: Lekgeberwa. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-113. other id: NSL 114133. locality: Field, Mogorosi, Central District. remarks: Sown January, harvested May. Race Guinea-bicolor. Annual. Cultivated. Seed.
- PI 510969 donor id: IS-22298. origin: Botswana. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-114. other id: NSL 114134. locality: Field, Mogorosi, Central District. remarks: Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.
- PI 510970 donor id: IS-22299. origin: Botswana. local name: Lekgeberwa. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-115. other id: NSL 114135. locality: Field, Mogorosi, Central District. remarks: Sown January, harvested May. Race Guinea. Annual. Cultivated. Seed.
- PI 510971 donor id: IS-22300. origin: Botswana. local name: Motlarane. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-116. other id: NSL 114136. locality: Field, Mogorosi, Central District. remarks: Sown January, harvested May. Race Durra. Annual. Cultivated. Seed.

PI 510893 to 511023-continued

- PI 510972 **donor id:** IS-22301. **origin:** Botswana. **local name:** Segaolane. **collected:** May 1980. **collector:** P. Roa, M. Boling, Kokoro. **collector id:** PMK-117. **other id:** NSL 114137. **locality:** Field, Mogorosi, Central District. **remarks:** Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510973 **donor id:** IS-22302. **origin:** Botswana. **local name:** Septhothane. **collected:** May 1980. **collector:** P. Roa, M. Boling, Kokoro. **collector id:** PMK-118. **other id:** NSL 114138. **locality:** Field, Mogorosi, Central District. **remarks:** Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510974 **donor id:** IS-22303. **origin:** Botswana. **local name:** Segaolane. **collected:** May 1980. **collector:** P. Roa, M. Boling, Kokoro. **collector id:** PMK-119. **other id:** NSL 114139. **locality:** Field, Mogorosi, Central District. **remarks:** Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510975 **donor id:** IS-22304. **origin:** Botswana. **local name:** Segaolane. **collected:** May 1980. **collector:** P. Roa, M. Boling, Kokoro. **collector id:** PMK-120. **other id:** NSL 114140. **locality:** Field, Mogorosi, Central District. **remarks:** Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510976 **donor id:** IS-22305. **origin:** Botswana. **local name:** Lkegeberwa. **collected:** May 1980. **collector:** P. Roa, M. Boling, Kokoro. **collector id:** PMK-122. **other id:** NSL 114142. **locality:** Field, Nakatsakgama, Central District. **remarks:** Sown January, harvested May. Race Guinea. Annual. Cultivated. Seed.
- PI 510977 **donor id:** IS-22306. **origin:** Botswana. **local name:** Sekalaoje. **collected:** May 1980. **collector:** P. Roa, M. Boling, Kokoro. **collector id:** PMK-123. **other id:** NSL 114143. **locality:** Field, Nakatsakgama, Central District. **remarks:** Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510978 **donor id:** IS-22307. **origin:** Botswana. **local name:** Segaolane. **collected:** May 1980. **collector:** P. Roa, M. Boling, Kokoro. **collector id:** PMK-124. **other id:** NSL 114144. **locality:** Field, Nakatsakgama, Central District. **remarks:** Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.

PI 510893 to 511023-continued

- PI 510979 donor id: IS-22308. origin: Botswana. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-125. other id: NSL 114145. locality: Field, Tshesebe, Central District. remarks: Sown January, harvested May. Race Guinea-kafir. Annual. Cultivated. Seed.
- PI 510980 donor id: IS-22309. origin: Botswana. local name: Sekalaoje. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-126. other id: NSL 114146. locality: Field, Tshesebe, Central District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510981 donor id: PMK-127. origin: Botswana. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-127. other id: NSL 114147. locality: Field, Tshesebe, Central District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510982 donor id: IS-22310. origin: Botswana. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-128. other id: NSL 114148. locality: Field, Tshesebe, Central District. remarks: Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.
- PI 510983 donor id: IS-22311. origin: Botswana. local name: Sekalaoje. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-129. other id: NSL 114149. locality: Field, Tshesebe, Central District. remarks: Sown January, harvested May. Race Durra. Annual. Cultivated. Seed.
- PI 510984 donor id: IS-22312. origin: Botswana. local name: Bofu. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-131. other id: NSL 114150. locality: Field, Marobela, Central District. remarks: Sown January, harvested May. Race Durra. Annual. Cultivated. Seed.
- PI 510985 donor id: IS-22313. origin: Botswana. local name: Mayakayaka. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-132. other id: NSL 114151. locality: Field, Marobela, Central District. remarks: Sown January, harvested May. Race Guinea. Annual. Cultivated. Seed.

PI 510893 to 511023-continued

- PI 510986 donor id: IS-22314. origin: Botswana. local name: Mayakayaka. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-133. other id: NSL 114152. locality: Field, Marobela, Central District. remarks: Sown January, harvested May. Race Guinea. Annual. Cultivated. Seed.
- PI 510987 donor id: IS-22315. origin: Botswana. local name: Machena. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-134. other id: NSL 114153. locality: Field, Marobela, Central District. remarks: Sown January, harvested May. Race Guinea-kafir. Annual. Cultivated. Seed.
- PI 510988 donor id: IS-22316. origin: Botswana. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-135. other id: NSL 114154. locality: Field, Marobela, Central District. remarks: Sown January, harvested May. Race Guinea-kafir. Annual. Cultivated. Seed.
- PI 510989 donor id: IS-22317. origin: Botswana. local name: Sekalaoje. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-136. other id: NSL 114155. locality: Field, Marobela, Central District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510990 donor id: IS-22318. origin: Botswana. local name: Ntshe. collected: May 1980. collector: P. Roa, Oland, Kokoro. collector id: POK-143. other id: NSL 114156. locality: Field, Mazhange, Ngamiland District. remarks: Sown January, harvested May. Annual. Cultivated. Seed.
- PI 510991 donor id: IS-22319. origin: Botswana. local name: Segalane. collected: May 1980. collector: P. Roa, Oland, Kokoro. collector id: POK-144. other id: NSL 114157. locality: Field, Mazhange, Ngamiland District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510992 donor id: IS-22320. origin: Botswana. local name: Segalane. collected: May 1980. collector: P. Roa, Oland, Kokoro. collector id: POK-145. other id: NSL 114158. locality: Field, Mazhange, Ngamiland District. remarks: Sown January, harvested May. Annual. Cultivated. Seed.

PI 510893 to 511023-continued

- PI 510993 donor id: IS-22321. origin: Botswana. local name: Segaolane. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-146. other id: NSL 114159. locality: Field, Mochaba, Ngamiland District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510994 donor id: IS-22322. origin: Botswana. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-147. other id: NSL 114160. locality: Field, Mochaba, Ngamiland District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 510995 donor id: IS-22323. origin: Botswana. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-149. other id: NSL 114161. locality: Field, Shorobe, Ngamiland District. remarks: Sown January, harvested May. Race Guinea. Annual. Cultivated. Seed.
- PI 510996 donor id: IS-22324. origin: Botswana. local name: Sakaza. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-150. other id: NSL 114162. locality: Field, Shorobe, Ngamiland District. remarks: Sown January, harvested May. Race Kafir-bicolor. Annual. Cultivated. Seed.
- PI 510997 donor id: IS-22325. origin: Botswana. local name: Sakaza. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-151. other id: NSL 114163. locality: Field, Shorobe, Ngamiland District. remarks: Sown January, harvested May. Race Guinea. Annual. Cultivated. Seed.
- PI 510998 donor id: IS-22326. origin: Botswana. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-152. other id: NSL 114164. locality: Field, Shorobe, Ngamiland District. remarks: Sown January, harvested May. Annual. Cultivated. Seed.
- PI 510999 donor id: IS-22327. origin: Botswana. local name: Sephytwane. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-153. other id: NSL 114165. locality: Field, Shorobe, Ngamiland District. remarks: Sown January, harvested May. Race Durra. Annual. Cultivated. Seed.
- PI 511000 donor id: IS-22328. origin: Botswana. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-154. other id: NSL 114166. locality: Field, Shorobe, Ngamiland District. remarks: Sown January, harvested May. Race Guinea. Annual. Cultivated. Seed.

PI 510893 to 511023-continued

- PI 511001 donor id: IS-22329. origin: Botswana. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-156. other id: NSL 114167. locality: Field, Shorobe, Ngamiland District. remarks: Sown January, harvested May. Race Guinea. Annual. Cultivated. Seed.
- PI 511002 donor id: IS-22330. origin: Botswana. local name: Segalane. collected: May 1980. collector: P. Roa, Sechele, A. Mosienyane. collector id: PSA-158. other id: NSL 114168. locality: Field, Molopolele, Kweneng District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 511003 donor id: IS-22331. origin: Botswana. local name: Kanya. collected: May 1980. collector: P. Roa, Sechele, A. Mosienyane. collector id: PSA-159. other id: NSL 114169. locality: Field, Molopolele, Kweneng District. remarks: Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.
- PI 511004 donor id: IS-22332. origin: Botswana. local name: Sweetrid. collected: May 1980. collector: P. Roa, Sechele, A. Mosienyane. collector id: PSA-160. other id: NSL 114170. locality: Field, Tshupane, Kweneng District. remarks: Sown January, harvested May. Race Guinea-kafir. Annual. Cultivated. Seed.
- PI 511005 donor id: IS-22333. origin: Botswana. local name: Marupanje. collected: May 1980. collector: P. Roa, Sechele, A. Mosienyane. collector id: PSA-161. other id: NSL 114171. locality: Field, Tshupane, Kweneng District. remarks: Sown January, harvested May. Annual. Cultivated. Seed.
- PI 511006 donor id: IS-22334. origin: Botswana. local name: Kanye. collected: May 1980. collector: P. Roa, Sechele, A. Mosienyane. collector id: PSA-162. other id: NSL 114172. locality: Field, Tshupane, Kweneng District. remarks: Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.
- PI 511007 donor id: IS-22335. origin: Botswana. local name: Town. collected: May 1980. collector: P. Roa, Sechele, A. Mosienyane. collector id: PSA-163. other id: NSL 114173. locality: Field, Tshupane, Kweneng District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.

PI 510893 to 511023-continued

- PI 511008 donor id: IS-22336. origin: Botswana. collected: May 1980. collector: P. Roa, Sechele, A. Mosienyane. collector id: PSA-164. other id: NSL 114174. locality: Field, Lwale, Kweneng District. remarks: Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.
- PI 511009 donor id: IS-22337. origin: Botswana. collected: May 1980. collector: P. Roa, Sechele, A. Mosienyane. collector id: PSA-165. other id: NSL 114175. locality: Field, Lwale, Kweneng District. remarks: Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.
- PI 511010 donor id: IS-22338. origin: Botswana. collected: May 1980. collector: P. Roa, Sechele, A. Mosienyane. collector id: PSA-166. other id: NSL 114176. locality: Field, Lwale, Kweneng District. remarks: Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.
- PI 511011 donor id: IS-22339. origin: Botswana. local name: Segaulane. collected: May 1980. collector: P. Roa, Sechele, A. Mosienyane. collector id: PSA-167. other id: NSL 114177. locality: Field, Mosinki, Kweneng District. remarks: Sown January, harvested May. Short. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 511012 donor id: IS-22340. origin: Botswana. collected: May 1980. collector: P. Roa, Sechele, A. Mosienyane. collector id: PSA-168. other id: NSL 114178. locality: Field, Mosinki, Kweneng District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 511013 donor id: IS-22341. origin: Botswana. collected: May 1980. collector: P. Roa, Sechele, A. Mosienyane. collector id: PSA-169. other id: NSL 114179. locality: Field, Mosinki, Kweneng District. remarks: Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.
- PI 511014 donor id: IS-22342. origin: Botswana. collected: May 1980. collector: P. Roa, Sechele, A. Mosienyane. collector id: PSA-170. other id: NSL 114180. locality: Field, Mosinki, Kweneng District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 511015 donor id: IS-22343. origin: Botswana. local name: Segaulane. collected: May 1980. collector: P. Roa, L. Mazhani. collector id: PL-171. other id: NSL 114181. locality: Field, Michodi, Kgatleng District. remarks: Sown January, harvested May. Mold resistant. Race Durra-kafir. Annual. Cultivated. Seed.

PI 510893 to 511023-continued

- PI 511016 donor id: IS-22344. origin: Botswana. local name: Segaolane. collected: May 1980. collector: P. Roa, L. Mazhani. collector id: PL-172. other id: NSL 114182. locality: Field, Michodi, Kgatleng District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 511017 donor id: IS-22345. origin: Botswana. local name: Tupule. collected: May 1980. collector: P. Roa, L. Mazhani. collector id: PL-173. other id: NSL 114183. locality: Field, Michodi, Kgatleng District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 511018 donor id: IS-22346. origin: Botswana. local name: Tupule. collected: May 1980. collector: P. Roa, L. Mazhani. collector id: PL-174. other id: NSL 114184. locality: Field, Michodi, Kgatleng District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 511019 donor id: IS-22347. origin: Botswana. local name: Kango. collected: May 1980. collector: P. Roa, L. Mazhani. collector id: PL-175. other id: NSL 114185. locality: Field, Rabotsiripa, Kgatleng District. remarks: Sown January, harvested May. Race Durra. Annual. Cultivated. Seed.
- PI 511020 donor id: IS-22348. origin: Botswana. local name: Segaolane. collected: May 1980. collector: P. Roa, L. Mazhani. collector id: PL-176. other id: NSL 114186. locality: Field, Rabotsiripa, Kgatleng District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.
- PI 511021 donor id: IS-22349. origin: Botswana. local name: Lethejane. collected: May 1980. collector: P. Roa, L. Mazhani. collector id: PL-177. other id: NSL 114187. locality: Field, Rabotsiripa, Kgatleng District. remarks: Sown January, harvested May. Race Kafir. Annual. Cultivated. Seed.
- PI 511022 donor id: IS-22350. origin: Botswana. local name: Sifuke. collected: May 1980. collector: P. Roa, L. Mazhani. collector id: PL-178. other id: NSL 114188. locality: Field, Rabotsiripa, Kgatleng District. remarks: Sown January, harvested May. Race Durra-kafir. Annual. Cultivated. Seed.

PI 510893 to 511023-continued

PI 511023 donor id: IS-22356. origin: Botswana. local name: Marupantse dwarf. collected: May 1980. collector: P. Roa, M. Boling. collector id: PM-186. other id: NSL 114189. locality: Agricultural Research Station, Sebele Gaborone. remarks: Sown January, harvested May. Annual. Cultivated. Seed.

PI 511024. Sorghum sp. POACEAE

Donated by: Rao, P., Genetic Resources Unit, ICRISAT, Patancheru P.O. 502-324, Andhra Pradesh, India. remarks: Received through IBPGR, Rome, Italy. Duplicated at ICRISAT. Received November 1980.

donor id: PMK-121. origin: Botswana. local name: Wild sorghum. collected: May 1980. collector: P. Roa, M. Boling, Kokoro. collector id: PMK-121. other id: NSL 114141. locality: Field, Nakatsakgama, Central District. remarks: Para sorghum. Annual. Cultivated. Seed.

PI 511025 to 511052. Pennisetum glaucum (L.) R. Br. POACEAE Pearl millet

Donated by: Baars-Hubbe, O., Inst fur Pflanzenbau & Pflanzenzuechtung, Bundesallee 50, Branschweig, Federal Rep. of Germany. Received June 9, 1987.

PI 511025 donor id: BGRC-025113. origin: Yemen Arab Republic. local name: Dukne. collector: David Wood. collector id: GT22 Y27. locality: Taiz market. latitude: 13 deg. 35 min. N. longitude: 44 deg. 01 min. E. elevation: 1500m. remarks: Ecotype. received as: P. americanum. Seed.

PI 511026 donor id: BGRC-025131. origin: Yemen Arab Republic. local name: Dukne. collector: David Wood. collector id: GT22 Y44. locality: 73km from Taiz toward Hodeidah. latitude: 13 deg. 25 min. N. longitude: 43 deg. 34 min. E. elevation: 200m. received as: P. americanum. Breeding Material. Seed.

PI 511027 donor id: BGRC-025136. origin: Yemen Arab Republic. local name: Dukne. collector: David Wood. collector id: GT22 Y49. locality: Zabid. latitude: 14 deg. 12 min. N. longitude: 43 deg. 19 min. E. elevation: 100m. remarks: Ecotype. received as: P. americanum. Seed.

PI 511028 donor id: BGRC-025142. origin: Yemen Arab Republic. local name: Dukne. collector: David Wood. collector id: GT22 Y55. locality: Bajil. latitude: 15 deg. 04 min. N. longitude: 43 deg. 17 min. E. elevation: 250m. remarks: Ecotype. received as: P. americanum. Seed.

PI 511025 to 511052-continued

- PI 511029 donor id: BGRC-025148. origin: Yemen Arab Republic.
local name: Dukne. collector: David Wood. collector id:
GTZ2 Y61. locality: 46km N of Hodeidah. latitude: 15
deg. 10 min. N. longitude: 43 deg. 00 min. E.
elevation: 80m. received as: P. americanum. Breeding
Material. Seed.
- PI 511030 donor id: BGRC-025149. origin: Yemen Arab Republic.
local name: Dukne. collector: David Wood. collector id:
GTZ2 Y62. locality: Al Zaydiyah. latitude: 15 deg. 20
min. N. longitude: 43 deg. 00 min. E. elevation: 80m.
remarks: Ecotype. received as: P. americanum. Seed.
- PI 511031 donor id: BGRC-025160. origin: Yemen Arab Republic.
local name: Dukne. collector: David Wood. collector id:
GTZ2 Y73. locality: Wadi Rima Agricultural office.
latitude: 14 deg. 22 min. N. longitude: 43 deg. 23 min.
E. elevation: 200m. remarks: Ecotype. received as: P.
americanum. Seed.
- PI 511032 donor id: BGRC-025233. origin: Yemen Arab Republic.
local name: Dukne. collector: David Wood. collector id:
GTZ2 Y146. locality: Al Khadan, Wadi Surdud. latitude:
15 deg. 17 min. N. longitude: 43 deg. 12 min. E.
elevation: 200m. remarks: Ecotype. received as: P.
americanum. Seed.
- PI 511033 donor id: BGRC-025237. origin: Yemen Arab Republic.
local name: Dukne. collector: David Wood. collector id:
GTZ2 Y150. locality: Al Khadan, Wadi Surdud. latitude:
15 deg. 17 min. N. longitude: 43 deg. 12 min. E.
elevation: 200m. remarks: Ecotype. received as: P.
americanum. Seed.
- PI 511034 donor id: BGRC-025393. origin: Yemen Arab Republic.
local name: Dukne. collector: David Wood. collector id:
GTZ2 Y190. locality: Near Bajil. latitude: 14 deg. 59
min. N. longitude: 43 deg. 15 min. E. elevation: 200m.
received as: P. americanum. Breeding Material. Seed.
- PI 511035 donor id: BGRC-025394. origin: Yemen Arab Republic.
local name: Dukne. collector: David Wood. collector id:
GTZ2 Y191. locality: Near Bajil. latitude: 14 deg. 59
min. N. longitude: 43 deg. 15 min. E. elevation: 200m.
received as: P. americanum. Breeding Material. Seed.
- PI 511036 donor id: BGRC-025414. origin: Yemen Arab Republic.
local name: Dukne. collector: David Wood. collector id:
GTZ2 Y211. locality: Mahwit. latitude: 15 deg. 30 min.
N. longitude: 43 deg. 35 min. E. elevation: 2000m.
remarks: Ecotype. received as: P. americanum. Seed.

PI 511025 to 511052-continued

- PI 511037 donor id: BGRC-025434. origin: Yemen Arab Republic.
local name: Dukne. collector: David Wood. collector id:
GTZ2 Y231. locality: Al Butanah. latitude: 16 deg. 12
min. N. longitude: 43 deg. 48 min. E. elevation: 1100m.
remarks: Ecotype. received as: P. americanum. Seed.
- PI 511038 donor id: BGRC-025440. origin: Yemen Arab Republic.
local name: Dukne. collector: David Wood. collector id:
GTZ2 Y237. locality: Habur. latitude: 16 deg. 03 min.
N. longitude: 43 deg. 42 min. E. elevation: 1770m.
remarks: Ecotype. received as: P. americanum. Seed.
- PI 511039 donor id: BGRC-025474. origin: Yemen Arab Republic.
local name: Dukne. collector: David Wood. collector id:
GTZ2 Y271. locality: Mawr. latitude: 15 deg. 39 min. N.
longitude: 42 deg. 58 min. E. elevation: 75m.
remarks: Ecotype. received as: P. americanum. Seed.
- PI 511040 donor id: BGRC-025477. origin: Yemen Arab Republic.
local name: Dukne. collector: David Wood. collector id:
GTZ2 Y274. locality: Al Sukaybat. latitude: 16 deg. 18
min. N. longitude: 43 deg. 43 min. E. elevation: 1300m.
remarks: Ecotype. received as: P. americanum. Seed.
- PI 511041 donor id: BGRC-025488. origin: Yemen Arab Republic.
local name: Dukne. collector: David Wood. collector id:
GTZ2 Y285. locality: Al Medan. latitude: 16 deg. 13
min. N. longitude: 43 deg. 38 min. E. elevation: 2200m.
remarks: Ecotype. received as: P. americanum. Seed.
- PI 511042 donor id: BGRC-025491. origin: Yemen Arab Republic.
local name: Dukne. collector: David Wood. collector id:
GTZ2 Y288. locality: Wadi Mawr region. latitude: 16
deg. 17 min. N. longitude: 43 deg. 31 min. E.
elevation: 1100-1400m. remarks: Ecotype. received as:
P. americanum. Seed.
- PI 511043 donor id: BGRC-025493. origin: Yemen Arab Republic.
local name: Dukne. collector: David Wood. collector id:
GTZ2 Y290. locality: Wadi Mawr region. latitude: 16
deg. 17 min. N. longitude: 43 deg. 31 min. E.
elevation: 1100-1400m. remarks: Ecotype. received as:
P. americanum. Seed.
- PI 511044 donor id: BGRC-025498. origin: Yemen Arab Republic.
local name: Dukne. collector: David Wood. collector id:
GTZ2 Y295. locality: Al Hariqua. latitude: 16 deg. 01
min. N. longitude: 43 deg. 18 min. E. elevation: 325m.
remarks: Ecotype. received as: P. americanum. Seed.

PI 511025 to 511052-continued

- PI 511045 donor id: BGRC-025514. origin: Yemen Arab Republic.
local name: Dukne. collector: David Wood. collector id:
GTZ2 Y311. locality: Al Hajda. latitude: 13 deg. 35
min. N. longitude: 43 deg. 49 min. E. elevation: 860m.
remarks: Ecotype. received as: P. americanum. Seed.
- PI 511046 donor id: BGRC-025516. origin: Yemen Arab Republic.
local name: Dukne. collector: David Wood. collector id:
GTZ2 Y313. locality: Khawkhaw. latitude: 13 deg. 48
min. N. longitude: 43 deg. 15 min. E. elevation: 10m.
remarks: Ecotype. received as: P. americanum. Seed.
- PI 511047 donor id: BGRC-025527. origin: Yemen Arab Republic.
local name: Dukne. collector: David Wood. collector id:
GTZ2 Y324. locality: Bayt al Faqih. latitude: 14 deg.
31 min. N. longitude: 43 deg. 20 min. E. elevation:
170m. remarks: Ecotype. received as: P. americanum.
Seed.
- PI 511048 donor id: BGRC-025543. origin: Yemen Arab Republic.
local name: Dukne. collector: David Wood. collector id:
GTZ2 Y340. locality: Hodeidah. latitude: 14 deg. 47
min. N. longitude: 42 deg. 57 min. E. elevation: 10m.
received as: P. americanum. Breeding Material. Seed.
- PI 511049 donor id: BGRC-025549. origin: Yemen Arab Republic.
local name: Dukne. collector: David Wood. collector id:
GTZ2 Y346. locality: Al Mansuriyah. latitude: 14 deg.
41 min. N. longitude: 43 deg. 18 min. E. elevation:
200m. received as: P. americanum. Seed.
- PI 511050 donor id: BGRC-025553. origin: Yemen Arab Republic.
local name: Dukne. collector: David Wood. collector id:
GTZ2 Y350. locality: Al Husayniyah. latitude: 14 deg.
21 min. N. longitude: 43 deg. 20 min. E. elevation:
125m. remarks: Ecotype. received as: P. americanum.
Seed.
- PI 511051 donor id: BGRC-025560. origin: Yemen Arab Republic.
local name: Dukne. collector: David Wood. collector id:
GTZ2 Y357. locality: Al Jarrahi. latitude: 14 deg. 08
min. N. longitude: 43 deg. 24 min. E. elevation: 190m.
remarks: Ecotype. received as: P. americanum. Seed.
- PI 511052 donor id: BGRC-025613. origin: Yemen Arab Republic.
local name: Dukne. collector: David Wood. collector id:
GTZ2 Y410. locality: Khaywan. latitude: 16 deg. 16 min.
N. longitude: 44 deg. 05 min. E. elevation: 1470m.
remarks: Ecotype. received as: P. americanum. Seed.

PI 511053 to 511195. Sorghum bicolor (L.) Moench POACEAE Sorghum

Donated by: Baars-Hubbe, O., Inst fur Pflanzenbau & Pflanzenzuechtung, Bundesallee 50, Braunschweig, Federal Rep. of Germany. Received June 9, 1987.

- PI 511053 donor id: BGRC-025095. origin: Yemen Arab Republic. collector: David Wood. collector id: GTZ2 Y9. locality: Sana'a. latitude: 15 deg. 21 min. N. longitude: 44 deg. 10 min. E. elevation: 2300m. Landrace. Seed.
- PI 511054 donor id: BGRC-025098. origin: Yemen Arab Republic. collector: David Wood. collector id: GTZ2 Y12. locality: Sana'a. latitude: 15 deg. 21 min. N. longitude: 44 deg. 10 min. E. elevation: 2300m. Landrace. Seed.
- PI 511055 donor id: BGRC-025099. origin: Yemen Arab Republic. collector: David Wood. collector id: GTZ2 Y13. locality: Sana'a. latitude: 15 deg. 21 min. N. longitude: 44 deg. 10 min. E. elevation: 2300m. Landrace. Seed.
- PI 511056 donor id: BGRC-025100. origin: Yemen Arab Republic. local name: Dhirah Beida. collector: David Wood. collector id: GTZ2 Y14. locality: 37km from Sana'a toward Taiz. latitude: 15 deg. 03 min. N. longitude: 44 deg. 16 min. E. elevation: 2400m. Breeding Material. Seed.
- PI 511057 donor id: BGRC-025101. origin: Yemen Arab Republic. collector: David Wood. collector id: GTZ2 Y15. locality: 37km from Sana'a toward Taiz. latitude: 15 deg. 03 min. N. longitude: 44 deg. 16 min. E. elevation: 2400m. Breeding Material. Seed.
- PI 511058 donor id: BGRC-025103. origin: Yemen Arab Republic. collector: David Wood. collector id: GTZ2 Y17. locality: 55km from Sana'a toward Taiz. latitude: 14 deg. 54 min. N. longitude: 44 deg. 17 min. E. elevation: 2430m. Landrace. Seed.
- PI 511059 donor id: BGRC-025108. origin: Yemen Arab Republic. collector: David Wood. collector id: GTZ2 Y22. locality: 168km from Sana'a toward Taiz. latitude: 14 deg. 03 min. N. longitude: 44 deg. 11 min. E. elevation: 1660m. Breeding Material. Seed.
- PI 511060 donor id: BGRC-025110. origin: Yemen Arab Republic. collector: David Wood. collector id: GTZ2 Y24. locality: Taiz market. latitude: 13 deg. 35 min. N. longitude: 44 deg. 01 min. E. elevation: 1500m. Landrace. Seed.

PI 511053 to 511195-continued

- PI 511061 donor id: BGRC-025112. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y26.
locality: Taiz market. latitude: 13 deg. 35 min. N.
longitude: 44 deg. 01 min. E. elevation: 1500m.
Landrace. Seed.
- PI 511062 donor id: BGRC-025114. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y28.
locality: Taiz market. latitude: 13 deg. 35 min. N.
longitude: 44 deg. 01 min. E. elevation: 1500m.
Landrace. Seed.
- PI 511063 donor id: BGRC-025115. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y29.
locality: Taiz market. latitude: 13 deg. 35 min. N.
longitude: 44 deg. 01 min. E. elevation: 1500m.
Landrace. Seed.
- PI 511064 donor id: BGRC-025133. origin: Yemen Arab Republic.
local name: Dirah Beida. collector: David Wood.
collector id: GTZ2 Y46. locality: Haiz. latitude: 13
deg. 56 min. N. longitude: 43 deg. 29 min. E.
elevation: 200m. Landrace. Seed.
- PI 511065 donor id: BGRC-025135. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y48.
locality: Haiz. latitude: 13 deg. 56 min. N. longitude:
43 deg. 29 min. E. elevation: 200m. Landrace. Seed.
- PI 511066 donor id: BGRC-025137. origin: Yemen Arab Republic.
local name: Dirah Beida. collector: David Wood.
collector id: GTZ2 Y50. locality: Zabid. latitude: 14
deg. 12 min. N. longitude: 43 deg. 19 min. E.
elevation: 100m. Landrace. Seed.
- PI 511067 donor id: BGRC-025139. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y52.
locality: Zabid. latitude: 14 deg. 12 min. N.
longitude: 43 deg. 19 min. E. elevation: 100m.
Landrace. Seed.
- PI 511068 donor id: BGRC-025140. origin: Yemen Arab Republic.
local name: Dirah Beida. collector: David Wood.
collector id: GTZ2 Y53. locality: Bajil. latitude: 15
deg. 04 min. N. longitude: 43 deg. 17 min. E.
elevation: 250m. Landrace. Seed.
- PI 511069 donor id: BGRC-025141. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y54.
locality: Bajil. latitude: 15 deg. 04 min. N.
longitude: 43 deg. 17 min. E. elevation: 250m.
Landrace. Seed.

PI 511053 to 511195-continued

- PI 511070 donor id: BGRC-025143. origin: Yemen Arab Republic.
local name: Dirah Beida. collector: David Wood.
collector id: GTZ2 Y56. locality: Bajil. latitude: 15
deg. 04 min. N. longitude: 43 deg. 17 min. E.
elevation: 250m. Landrace. Seed.
- PI 511071 donor id: BGRC-025146. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y59.
locality: Bajil. latitude: 15 deg. 04 min. N.
longitude: 43 deg. 17 min. E. elevation: 250m.
Landrace. Seed.
- PI 511072 donor id: BGRC-025147. origin: Yemen Arab Republic.
local name: Dirah Hamra. collector: David Wood.
collector id: GTZ2 Y60. locality: 184km from Hodeidah
toward Sana'a. latitude: 15 deg. 07 min. N. longitude:
43 deg. 50 min. E. elevation: 2750m. Breeding Material.
Seed.
- PI 511073 donor id: BGRC-025150. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y63.
locality: Al Zaydiyah. latitude: 15 deg. 20 min. N.
longitude: 43 deg. 00 min. E. elevation: 80m.
Landrace. Seed.
- PI 511074 donor id: BGRC-025154. origin: Yemen Arab Republic.
local name: Dirah Beida. collector: David Wood.
collector id: GTZ2 Y67. locality: Al Zaydiyah.
latitude: 15 deg. 20 min. N. longitude: 43 deg. 00 min.
E. elevation: 80m. Landrace. Seed.
- PI 511075 donor id: BGRC-025156. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y69.
locality: Debre Al Waishi Al Zaydiyah. latitude: 15 deg.
23 min. N. longitude: 43 deg. 04 min. E. elevation:
100m. Breeding Material. Seed.
- PI 511076 donor id: BGRC-025161. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y74.
locality: Wadi Rima Agricultural office. latitude: 14
deg. 22 min. N. longitude: 43 deg. 23 min. E.
elevation: 200m. Landrace. Seed.
- PI 511077 donor id: BGRC-025162. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y75.
locality: Wadi Rima Agricultural Office. latitude: 14
deg. 22 min. N. longitude: 43 deg. 23 min. E.
elevation: 200m. Landrace. Seed.

PI 511053 to 511195-continued

- PI 511078 donor id: BGRC-025163. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y76.
locality: Wadi Rima Agricultural office. latitude: 14
deg. 22 min. N. longitude: 43 deg. 23 min. E.
elevation: 200m. Landrace. Seed.
- PI 511079 donor id: BGRC-025167. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y80.
locality: Hodeidah. latitude: 14 deg. 47 min. N.
longitude: 42 deg. 57 min. E. elevation: 10m. Landrace.
Seed.
- PI 511080 donor id: BGRC-025176. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y89.
locality: Dhamar. latitude: 14 deg. 33 min. N.
longitude: 44 deg. 24 min. E. elevation: 2320m.
Landrace. Seed.
- PI 511081 donor id: BGRC-025181. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y94.
locality: Dhamar. latitude: 14 deg. 33 min. N.
longitude: 44 deg. 24 min. E. elevation: 2320m.
Landrace. Seed.
- PI 511082 donor id: BGRC-025183. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y96.
locality: Dhamar. latitude: 14 deg. 33 min. N.
longitude: 44 deg. 24 min. E. elevation: 2320m.
Landrace. Seed.
- PI 511083 donor id: BGRC-025184. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y97.
locality: Suq Bu'an. latitude: 15 deg. 12 min. N.
longitude: 43 deg. 59 min. E. elevation: 2750m.
Landrace. Seed.
- PI 511084 donor id: BGRC-025192. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y105.
locality: Jebel Dayn market. latitude: 15 deg. 35 min.
N. longitude: 44 deg. 01 min. E. elevation: 2600m.
Landrace. Seed.
- PI 511085 donor id: BGRC-025193. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y106.
locality: Jebel Dayn market. latitude: 15 deg. 35 min.
N. longitude: 44 deg. 01 min. E. elevation: 2600m.
Landrace. Seed.

PI 511053 to 511195-continued

- PI 511086 donor id: BGRC-025194. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y107.
locality: Jebel Dayn market. latitude: 15 deg. 35 min.
N. longitude: 44 deg. 01 min. E. elevation: 2600m.
Landrace. Seed.
- PI 511087 donor id: BGRC-025198. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y111.
locality: 36km from Sana'a toward Taiz. latitude: 15
deg. 04 min. N. longitude: 44 deg. 16 min. E.
elevation: 2400m. Landrace. Seed.
- PI 511088 donor id: BGRC-025199. origin: Yemen Arab Republic.
local name: Dhirah Beida. collector: David Wood.
collector id: GTZ2 Y112. locality: 36km from Sana'a
toward Taiz. latitude: 15 deg. 04 min. N. longitude: 44
deg. 16 min. E. elevation: 2400m. Landrace. Seed.
- PI 511089 donor id: BGRC-025202. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y115.
locality: Mabar. latitude: 14 deg. 48 min. N.
longitude: 44 deg. 17 min. E. elevation: 2200m.
Landrace. Seed.
- PI 511090 donor id: BGRC-025203. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y116.
locality: Mabar. latitude: 14 deg. 48 min. N.
longitude: 44 deg. 17 min. E. elevation: 2200m.
Landrace. Seed.
- PI 511091 donor id: BGRC-025208. origin: Yemen Arab Republic.
local name: Dhirah Beida. collector: David Wood.
collector id: GTZ2 Y121. locality: Mabar. latitude: 14
deg. 48 min. N. longitude: 44 deg. 17 min. E.
elevation: 2200m. Landrace. Seed.
- PI 511092 donor id: BGRC-025220. origin: Yemen Arab Republic.
local name: Dhirah Beida. collector: David Wood.
collector id: GTZ2 Y133. locality: Amran. latitude: 15
deg. 40 min. N. longitude: 43 deg. 57 min. E.
elevation: 2100m. Landrace. Seed.
- PI 511093 donor id: BGRC-025221. origin: Yemen Arab Republic.
local name: Dhirah Beida. collector: David Wood.
collector id: GTZ2 Y134. locality: Amran. latitude: 15
deg. 40 min. N. longitude: 43 deg. 57 min. E.
elevation: 2100m. Landrace. Seed.

PI 511053 to 511195-continued

- PI 511094 donor id: BGRC-025228. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y141.
locality: Amran. latitude: 15 deg. 40 min. N.
longitude: 43 deg. 57 min. E. elevation: 2100m.
Landrace. Seed.
- PI 511095 donor id: BGRC-025229. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y142.
locality: Al Khadan, Wadi Surdud. latitude: 15 deg. 17
min. N. longitude: 43 deg. 12 min. E. elevation: 200m.
Landrace. Seed.
- PI 511096 donor id: BGRC-025230. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y143.
locality: Al Khadan, Wadi Surdud. latitude: 15 deg. 17
min. N. longitude: 43 deg. 12 min. E. elevation: 200m.
Landrace. Seed.
- PI 511097 donor id: BGRC-025231. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y144.
locality: Al Khadan, Wadi Surdud. latitude: 15 deg. 17
min. N. longitude: 43 deg. 12 min. E. elevation: 200m.
Landrace. Seed.
- PI 511098 donor id: BGRC-025236. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y149.
locality: Al Khadan, Wadi Surdud. latitude: 15 deg. 17
min. N. longitude: 43 deg. 12 min. E. elevation: 200m.
Landrace. Seed.
- PI 511099 donor id: BGRC-025243. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y156.
locality: Shibam. latitude: 15 deg. 30 min. N.
longitude: 43 deg. 54 min. E. elevation: 2550m.
Landrace. Seed.
- PI 511100 donor id: BGRC-025245. origin: Yemen Arab Republic.
local name: Dhirah Beida. collector: David Wood.
collector id: GTZ2 Y158. locality: Shibam. latitude: 15
deg. 30 min. N. longitude: 43 deg. 54 min. E.
elevation: 2550m. Landrace. Seed.
- PI 511101 donor id: BGRC-025369. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y166.
locality: Rida. latitude: 14 deg. 25 min. N. longitude:
44 deg. 51 min. E. elevation: 2180m. Landrace. Seed.
- PI 511102 donor id: BGRC-025371. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y168.
locality: El Nejabe. latitude: 13 deg. 52 min. N.
longitude: 44 deg. 11 min. E. elevation: 2300m.
Landrace. Seed.

PI 511053 to 511195-continued

- PI 511103 donor id: BGRC-025372. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y169.
locality: El Nejabe. latitude: 13 deg. 52 min. N.
longitude: 44 deg. 11 min. E. elevation: 2300m.
Landrace. Seed.
- PI 511104 donor id: BGRC-025373. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y170.
locality: El Nejabe. latitude: 13 deg. 52 min. N.
longitude: 44 deg. 11 min. E. elevation: 2300m.
Landrace. Seed.
- PI 511105 donor id: BGRC-025385. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y182.
locality: Al Baun. latitude: 15 deg. 44 min. N.
longitude: 43 deg. 59 min. E. elevation: 2150m.
Landrace. Seed.
- PI 511106 donor id: BGRC-025398. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y195.
locality: Marib. latitude: 15 deg. 28 min. N.
longitude: 45 deg. 22 min. E. elevation: 1100m.
Landrace. Seed.
- PI 511107 donor id: BGRC-025403. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y200.
locality: Al Khamis. latitude: 15 deg. 11 min. N.
longitude: 43 deg. 31 min. E. elevation: 520m.
Landrace. Seed.
- PI 511108 donor id: BGRC-025404. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y201.
locality: Al Khamis. latitude: 15 deg. 11 min. N.
longitude: 43 deg. 31 min. E. elevation: 520m.
Landrace. Seed.
- PI 511109 donor id: BGRC-025405. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y202.
locality: Al Khamis. latitude: 15 deg. 11 min. N.
longitude: 43 deg. 31 min. E. elevation: 520m.
Landrace. Seed.
- PI 511110 donor id: BGRC-025406. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y203.
locality: Al Khamis. latitude: 15 deg. 11 min. N.
longitude: 43 deg. 31 min. E. elevation: 520m.
Landrace. Seed.

PI 511053 to 511195-continued

- PI 511111 donor id: BGRC-025412. origin: Yemen Arab Republic.
local name: Dhirah Beida. collector: David Wood.
collector id: GTZ2 Y209. locality: Mahwit. latitude: 15
deg. 30 min. N. longitude: 43 deg. 35 min. E.
elevation: 2000m. Landrace. Seed.
- PI 511112 donor id: BGRC-025415. origin: Yemen Arab Republic.
local name: Dhirah raphia. collector: David Wood.
collector id: GTZ2 Y212. locality: Mahwit. latitude: 15
deg. 30 min. N. longitude: 43 deg. 35 min. E.
elevation: 2000m. Landrace. Seed.
- PI 511113 donor id: BGRC-025417. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y214.
locality: Mahwit. latitude: 15 deg. 30 min. N.
longitude: 43 deg. 35 min. E. elevation: 2000m.
Landrace. Seed.
- PI 511114 donor id: BGRC-025429. origin: Yemen Arab Republic.
local name: Dhirah adahi. collector: David Wood.
collector id: GTZ2 Y226. locality: Khamir. latitude: 15
deg. 59 min. N. longitude: 43 deg. 47 min. E.
elevation: 2400m. Landrace. Seed.
- PI 511115 donor id: BGRC-025430. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y227.
locality: Khamir. latitude: 15 deg. 59 min. N.
longitude: 43 deg. 47 min. E. elevation: 2400m.
Landrace. Seed.
- PI 511116 donor id: BGRC-025431. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y228.
locality: Khamir. latitude: 15 deg. 59 min. N.
longitude: 43 deg. 47 min. E. elevation: 2400m.
Landrace. Seed.
- PI 511117 donor id: BGRC-025432. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y229.
locality: Al Butanah. latitude: 16 deg. 12 min. N.
longitude: 43 deg. 48 min. E. elevation: 1100m.
Landrace. Seed.
- PI 511118 donor id: BGRC-025433. origin: Yemen Arab Republic.
local name: Dhirah Bahri. collector: David Wood.
collector id: GTZ2 Y230. locality: Al Butanah.
latitude: 16 deg. 12 min. N. longitude: 43 deg. 48 min.
E. elevation: 1100m. Landrace. Seed.

PI 511053 to 511195-continued

- PI 511119 donor id: BGRC-025439. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y236.
locality: Habur. latitude: 16 deg. 03 min. N.
longitude: 43 deg. 42 min. E. elevation: 1770m.
Landrace. Seed.
- PI 511120 donor id: BGRC-025443. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y240.
locality: Suq Hashif. latitude: 16 deg. 06 min. N.
longitude: 43 deg. 44 min. E. elevation: 1330m.
Landrace. Seed.
- PI 511121 donor id: BGRC-025447. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y244.
locality: Sheharah. latitude: 16 deg. 11 min. N.
longitude: 43 deg. 42 min. E. elevation: 2480m.
Landrace. Seed.
- PI 511122 donor id: BGRC-025448. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y245.
locality: Sheharah. latitude: 16 deg. 11 min. N.
longitude: 43 deg. 42 min. E. elevation: 2480m.
Landrace. Seed.
- PI 511123 donor id: BGRC-025455. origin: Yemen Arab Republic.
local name: Dhirah Adran. collector: David Wood.
collector id: GTZ2 Y252. locality: Khawlan region.
latitude: 16 deg. 57 min. N. longitude: 43 deg. 24 min.
E. elevation: 1920-2520m. Landrace. Seed.
- PI 511124 donor id: BGRC-025457. origin: Yemen Arab Republic.
local name: Dhirah Yemani. collector: David Wood.
collector id: GTZ2 Y254. locality: Khawlan region.
latitude: 16 deg. 57 min. N. longitude: 43 deg. 24 min.
E. elevation: 1920-2520m. Landrace. Seed.
- PI 511125 donor id: BGRC-025458. origin: Yemen Arab Republic.
local name: Dhirah Hasharia. collector: David Wood.
collector id: GTZ2 Y255. locality: Khawlan region.
latitude: 16 deg. 57 min. N. longitude: 43 deg. 24 min.
E. elevation: 1920-2520m. Landrace. Seed.
- PI 511126 donor id: BGRC-025459. origin: Yemen Arab Republic.
local name: Dhirah Saidi. collector: David Wood.
collector id: GTZ2 Y256. locality: Khawlan region.
latitude: 16 deg. 57 min. N. longitude: 43 deg. 24 min.
E. elevation: 1920-2520m. Landrace. Seed.

PI 511053 to 511195-continued

- PI 511127 donor id: BGRC-025465. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y262.
locality: Khawlan region. latitude: 16 deg. 57 min. N.
longitude: 43 deg. 24 min. E. elevation: 1920-2520m.
Landrace. Seed.
- PI 511128 donor id: BGRC-025469. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y266.
locality: Khawlan region. latitude: 16 deg. 57 min. N.
longitude: 43 deg. 24 min. E. elevation: 1920-2520m.
Landrace. Seed.
- PI 511129 donor id: BGRC-025475. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y272.
locality: Mawr. latitude: 15 deg. 39 min. N. longitude:
42 deg. 58 min. E. elevation: 75m. Landrace. Seed.
- PI 511130 donor id: BGRC-025476. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y273.
locality: Mawr. latitude: 15 deg. 39 min. N. longitude:
42 deg. 58 min. E. elevation: 75m. Landrace. Seed.
- PI 511131 donor id: BGRC-025478. origin: Yemen Arab Republic.
local name: Dhirah Taymi. collector: David Wood.
collector id: GTZ2 Y275. locality: Al Sukaybat.
latitude: 16 deg. 18 min. N. longitude: 43 deg. 43 min.
E. elevation: 1300m. Landrace. Seed.
- PI 511132 donor id: BGRC-025482. origin: Yemen Arab Republic.
local name: Dhirah Taymi. collector: David Wood.
collector id: GTZ2 Y279. locality: Al Sukaybat.
latitude: 16 deg. 18 min. N. longitude: 43 deg. 43 min.
E. elevation: 1300m. Landrace. Seed.
- PI 511133 donor id: BGRC-025483. origin: Yemen Arab Republic.
local name: Dhirah Taymi. collector: David Wood.
collector id: GTZ2 Y280. locality: Al Sukaybat.
latitude: 16 deg. 18 min. N. longitude: 43 deg. 43 min.
E. elevation: 1300m. Landrace. Seed.
- PI 511134 donor id: BGRC-025484. origin: Yemen Arab Republic.
local name: Dhirah Maysi. collector: David Wood.
collector id: GTZ2 Y281. locality: Al Sukaybat.
latitude: 16 deg. 18 min. N. longitude: 43 deg. 43 min.
E. elevation: 1300m. Landrace. Seed.
- PI 511135 donor id: BGRC-025492. origin: Yemen Arab Republic.
local name: Dhirah Taymi. collector: David Wood.
collector id: GTZ2 Y289. locality: Wadi Mawr region.
latitude: 16 deg. 17 min. N. longitude: 43 deg. 31 min.
E. elevation: 1100-1400m. Landrace. Seed.

PI 511053 to 511195-continued

- PI 511136 donor id: BGRC-025494. origin: Yemen Arab Republic.
local name: Dhirah Bujayda, Dhirah Bahri. collector:
David Wood. collector id: GTZ2 Y291. locality: Wadi
Mawr region. latitude: 16 deg. 17 min. N. longitude: 43
deg. 31 min. E. elevation: 1100-1400m. Landrace. Seed.
- PI 511137 donor id: BGRC-025495. origin: Yemen Arab Republic.
local name: Dhirah Maysi. collector: David Wood.
collector id: GTZ2 Y292. locality: Wadi Mawr region.
latitude: 16 deg. 17 min. N. longitude: 43 deg. 31 min.
E. elevation: 1100-1400m. Landrace. Seed.
- PI 511138 donor id: BGRC-025499. origin: Yemen Arab Republic.
local name: Dhirah Hamra. collector: David Wood.
collector id: GTZ2 Y296. locality: Al Hariqua.
latitude: 16 deg. 01 min. N. longitude: 43 deg. 18 min.
E. elevation: 325m. Landrace. Seed.
- PI 511139 donor id: BGRC-025501. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y298.
locality: Suq Abs. latitude: 16 deg. 00 min. N.
longitude: 43 deg. 12 min. E. elevation: 200m.
Landrace. Seed.
- PI 511140 donor id: BGRC-025505. origin: Yemen Arab Republic.
local name: Dhirah Mahjani. collector: David Wood.
collector id: GTZ2 Y302. locality: Dawran. latitude: 14
deg. 44 min. N. longitude: 44 deg. 12 min. E.
elevation: 2500m. Landrace. Seed.
- PI 511141 donor id: BGRC-025510. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y307.
locality: Al Hajda. latitude: 13 deg. 35 min. N.
longitude: 43 deg. 49 min. E. elevation: 860m.
Landrace. Seed.
- PI 511142 donor id: BGRC-025515. origin: Yemen Arab Republic.
local name: Dhirah Gurab. collector: David Wood.
collector id: GTZ2 Y312. locality: Khawkhaw. latitude:
13 deg. 48 min. N. longitude: 43 deg. 15 min. E.
elevation: 10m. Landrace. Seed.
- PI 511143 donor id: BGRC-025517. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y314.
locality: Khawkhaw. latitude: 13 deg. 48 min. N.
longitude: 43 deg. 15 min. E. elevation: 10m.
Landrace. Seed.

PI 511053 to 511195-continued

- PI 511144 donor id: BGRC-025518. origin: Yemen Arab Republic.
local name: Dhirah Hamra. collector: David Wood.
collector id: GTZ2 Y315. locality: Khawkhaw. latitude:
13 deg. 48 min. N. longitude: 43 deg. 15 min. E.
elevation: 10m. Landrace. Seed.
- PI 511145 donor id: BGRC-025521. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y318.
locality: Zabid. latitude: 14 deg. 12 min. N.
longitude: 43 deg. 19 min. E. elevation: 100m.
Landrace. Seed.
- PI 511146 donor id: BGRC-025523. origin: Yemen Arab Republic.
local name: Dhirah Beida. collector: David Wood.
collector id: GTZ2 Y320. locality: Bayt al Faqih.
latitude: 14 deg. 31 min. N. longitude: 43 deg. 20 min.
E. elevation: 170m. Landrace. Seed.
- PI 511147 donor id: BGRC-025530. origin: Yemen Arab Republic.
local name: Dhirah Girb. collector: David Wood.
collector id: GTZ2 Y327. locality: Bayt al Faqih.
latitude: 14 deg. 31 min. N. longitude: 43 deg. 20 min.
E. elevation: 170m. Landrace. Seed.
- PI 511148 donor id: BGRC-025531. origin: Yemen Arab Republic.
local name: Dhirah Hamra. collector: David Wood.
collector id: GTZ2 Y328. locality: Bayt al Faqih.
latitude: 14 deg. 31 min. N. longitude: 43 deg. 20 min.
E. elevation: 170m. Landrace. Seed.
- PI 511149 donor id: BGRC-025548. origin: Yemen Arab Republic.
local name: Dhirah Hamra. collector: David Wood.
collector id: GTZ2 Y345. locality: Al Mansuriyah.
latitude: 14 deg. 41 min. N. longitude: 43 deg. 18 min.
E. elevation: 200m. Landrace. Seed.
- PI 511150 donor id: BGRC-025550. origin: Yemen Arab Republic.
local name: Dhirah Sa'aga. collector: David Wood.
collector id: GTZ2 Y347. locality: Al Mansuriyah.
latitude: 14 deg. 41 min. N. longitude: 43 deg. 18 min.
E. elevation: 200m. Landrace. Seed.
- PI 511151 donor id: BGRC-025552. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y349.
locality: Al Husayniyah. latitude: 14 deg. 21 min. N.
longitude: 43 deg. 20 min. E. elevation: 125m.
Landrace. Seed.

PI 511053 to 511195-continued

- PI 511152 donor id: BGRC-025554. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y351.
locality: Al Husayniyah. latitude: 14 deg. 21 min. N.
longitude: 43 deg. 20 min. E. elevation: 125m.
Landrace. Seed.
- PI 511153 donor id: BGRC-025555. origin: Yemen Arab Republic.
local name: Dhirah Bayni. collector: David Wood.
collector id: GTZ2 Y352. locality: Al Husayniyah.
latitude: 14 deg. 21 min. N. longitude: 43 deg. 20 min.
E. elevation: 125m. Landrace. Seed.
- PI 511154 donor id: BGRC-025562. origin: Yemen Arab Republic.
local name: Dhirah Hamra. collector: David Wood.
collector id: GTZ2 Y359. locality: Al Jarrahi.
latitude: 14 deg. 08 min. N. longitude: 43 deg. 24 min.
E. elevation: 190m. Landrace. Seed.
- PI 511155 donor id: BGRC-025563. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y360.
locality: Al Jarrahi. latitude: 14 deg. 08 min. N.
longitude: 43 deg. 24 min. E. elevation: 190m.
Landrace. Seed.
- PI 511156 donor id: BGRC-025572. origin: Yemen Arab Republic.
local name: Dhirah Hamra. collector: David Wood.
collector id: GTZ2 Y369. locality: Al Khadira.
latitude: 15 deg. 45 min. N. longitude: 43 deg. 52 min.
E. elevation: 2600m. Landrace. Seed.
- PI 511157 donor id: BGRC-025577. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y374.
locality: Al Sawd. latitude: 15 deg. 46 min. N.
longitude: 43 deg. 49 min. E. elevation: 2300m.
Landrace. Seed.
- PI 511158 donor id: BGRC-025587. origin: Yemen Arab Republic.
local name: Dhirah Beida, Dhirah Hamra. collector: David
Wood. collector id: GTZ2 Y384. locality: Al Shaghadira
region. latitude: 15 deg. 38 min. N. longitude: 43 deg.
30 min. E. elevation: 1050-1360m. Landrace. Seed.
- PI 511159 donor id: BGRC-025588. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y385.
locality: Al Shaghadira region. latitude: 15 deg. 38
min. N. longitude: 43 deg. 30 min. E. elevation:
1050-1360m. Landrace. Seed.

PI 511053 to 511195-continued

- PI 511160 donor id: BGRC-025589. origin: Yemen Arab Republic.
local name: Zafira Beida. collector: David Wood.
collector id: GTZ2 Y386. locality: Al Shaghadira region.
latitude: 15 deg. 38 min. N. longitude: 43 deg. 30 min.
E. elevation: 1050-1360m. Landrace. Seed.
- PI 511161 donor id: BGRC-025590. origin: Yemen Arab Republic.
local name: Zi'r Ahmar. collector: David Wood.
collector id: GTZ2 Y387. locality: Al Shaghadira region.
latitude: 15 deg. 38 min. N. longitude: 43 deg. 30 min.
E. elevation: 1050-1360m. Landrace. Seed.
- PI 511162 donor id: BGRC-025591. origin: Yemen Arab Republic.
local name: Dhira Beida. collector: David Wood.
collector id: GTZ2 Y388. locality: Al Shaghadira region.
latitude: 15 deg. 38 min. N. longitude: 43 deg. 30 min.
E. elevation: 1050-1360m. Landrace. Seed.
- PI 511163 donor id: BGRC-025592. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y389.
locality: Al Shaghadira region. latitude: 15 deg. 38
min. N. longitude: 43 deg. 30 min. E. elevation:
1050-1360m. Landrace. Seed.
- PI 511164 donor id: BGRC-025594. origin: Yemen Arab Republic.
local name: Shahb Abyad. collector: David Wood.
collector id: GTZ2 Y391. locality: Al Shaghadira region.
latitude: 15 deg. 38 min. N. longitude: 43 deg. 30 min.
E. elevation: 1050-1360m. Landrace. Seed.
- PI 511165 donor id: BGRC-025595. origin: Yemen Arab Republic.
local name: Dhirb. collector: David Wood. collector id:
GTZ2 Y392. locality: Al Shaghadira region. latitude: 15
deg. 38 min. N. longitude: 43 deg. 30 min. E.
elevation: 1050-1360m. Landrace. Seed.
- PI 511166 donor id: BGRC-025596. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y393.
locality: Al Shaghadira region. latitude: 15 deg. 38
min. N. longitude: 43 deg. 30 min. E. elevation:
1050-1360m. Landrace. Seed.
- PI 511167 donor id: BGRC-025612. origin: Yemen Arab Republic.
local name: Dhirah Beida, Dhirah Khaywani. collector:
David Wood. collector id: GTZ2 Y409. locality: Khaywan.
latitude: 16 deg. 16 min. N. longitude: 44 deg. 05 min.
E. elevation: 1470m. Landrace. Seed.

PI 511053 to 511195-continued

- PI 511168 donor id: BGRC-025615. origin: Yemen Arab Republic.
local name: Dhirah adahi. collector: David Wood.
collector id: GTZ2 Y412. locality: Khaywan. latitude:
16 deg. 16 min. N. longitude: 44 deg. 05 min. E.
elevation: 1470m. Landrace. Seed.
- PI 511169 donor id: BGRC-026035. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y417.
locality: Ubal. latitude: 14 deg. 59 min. N. longitude:
43 deg. 03 min. E. elevation: 460m. Landrace. Seed.
- PI 511170 donor id: BGRC-026037. origin: Yemen Arab Republic.
local name: Dhirah Kharigi, Dhirah Bahri. collector:
David Wood. collector id: GTZ2 Y419. locality: Ubal.
latitude: 14 deg. 59 min. N. longitude: 43 deg. 03 min.
E. elevation: 460m. Landrace. Seed.
- PI 511171 donor id: BGRC-026038. origin: Yemen Arab Republic.
local name: Dhirah Hamra. collector: David Wood.
collector id: GTZ2 Y420. locality: Ubal. latitude: 14
deg. 59 min. N. longitude: 43 deg. 03 min. E.
elevation: 460m. Landrace. Seed.
- PI 511172 donor id: BGRC-026040. origin: Yemen Arab Republic.
local name: Dhirah Beida, Dhirah Hamra. collector: David
Wood. collector id: GTZ2 Y422. locality: Medinat al
Abid. latitude: 14 deg. 36 min. N. longitude: 43 deg.
57 min. E. elevation: 1200m. Landrace. Seed.
- PI 511173 donor id: BGRC-026043. origin: Yemen Arab Republic.
local name: Dhira Hamra, Dhira Safra, Dhirah Selmi.
collector: David Wood. collector id: GTZ2 Y425.
locality: Jebel Salfiyah. latitude: 14 deg. 36 min. N.
longitude: 43 deg. 53 min. E. elevation: 1830m.
Landrace. Seed.
- PI 511174 donor id: BGRC-026045. origin: Yemen Arab Republic.
local name: Dhira Safra. collector: David Wood.
collector id: GTZ2 Y427. locality: Jebel Salfiyah.
latitude: 14 deg. 36 min. N. longitude: 43 deg. 53 min.
E. elevation: 1830m. Landrace. Seed.
- PI 511175 donor id: BGRC-026052. origin: Yemen Arab Republic.
local name: Dhira Beida. collector: David Wood.
collector id: GTZ2 Y434. locality: Medinat al Abid.
latitude: 14 deg. 36 min. N. longitude: 43 deg. 57 min.
E. elevation: 1200m. Landrace. Seed.

PI 511053 to 511195-continued

- PI 511176 donor id: BGRC-026053. origin: Yemen Arab Republic.
local name: Dhirah Hamra. collector: David Wood.
collector id: GTZ2 Y435. locality: Medinat al Abid.
latitude: 14 deg. 36 min. N. longitude: 43 deg. 57 min.
E. elevation: 1200m. Landrace. Seed.
- PI 511177 donor id: BGRC-026055. origin: Yemen Arab Republic.
local name: Dhirah Hamra. collector: David Wood.
collector id: GTZ2 Y437. locality: Qahirah. latitude:
14 deg. 02 min. N. longitude: 43 deg. 10 min. E.
elevation: 580m. Landrace. Seed.
- PI 511178 donor id: BGRC-026057. origin: Yemen Arab Republic.
local name: Dhirah Hamra. collector: David Wood.
collector id: GTZ2 Y439. locality: Jebel Qadhawan.
latitude: 13 deg. 58 min. N. longitude: 44 deg. 06 min.
E. elevation: 2240m. Landrace. Seed.
- PI 511179 donor id: BGRC-026058. origin: Yemen Arab Republic.
local name: Dhirah Beida. collector: David Wood.
collector id: GTZ2 Y440. locality: Jebel Qadhawan.
latitude: 13 deg. 58 min. N. longitude: 44 deg. 06 min.
E. elevation: 2240m. Landrace. Seed.
- PI 511180 donor id: BGRC-026060. origin: Yemen Arab Republic.
local name: Dhirah Hamra. collector: David Wood.
collector id: GTZ2 Y442. locality: Al Mamir. latitude:
15 deg. 29 min. N. longitude: 43 deg. 36 min. E.
elevation: 2150m. Landrace. Seed.
- PI 511181 donor id: BGRC-026061. origin: Yemen Arab Republic.
local name: Dhirah Aradi. collector: David Wood.
collector id: GTZ2 Y443. locality: Al Marashi.
latitude: 16 deg. 36 min. N. longitude: 44 deg. 15 min.
E. elevation: 1380m. Landrace. Seed.
- PI 511182 donor id: BGRC-026063. origin: Yemen Arab Republic.
local name: Dhirah Tha'adi. collector: David Wood.
collector id: GTZ2 Y445. locality: Al Marashi.
latitude: 16 deg. 36 min. N. longitude: 44 deg. 15 min.
E. elevation: 1380m. Landrace. Seed.
- PI 511183 donor id: BGRC-026071. origin: Yemen Arab Republic.
local name: Dhirah Beida. collector: David Wood.
collector id: GTZ2 Y453. locality: Barat. latitude: 16
deg. 43 min. N. longitude: 44 deg. 19 min. E.
elevation: 2000m. Landrace. Seed.

PI 511053 to 511195-continued

- PI 511184 donor id: BGRC-026075. origin: Yemen Arab Republic.
local name: Dhirah Gushari. collector: David Wood.
collector id: GTZ2 Y457. locality: Ragusa. latitude: 16
deg. 42 min. N. longitude: 44 deg. 25 min. E.
elevation: 2000m. Landrace. Seed.
- PI 511185 donor id: BGRC-026080. origin: Yemen Arab Republic.
local name: Dhirah Gushari. collector: David Wood.
collector id: GTZ2 Y462. locality: Barat. latitude: 16
deg. 43 min. N. longitude: 44 deg. 19 min. E.
elevation: 2000m. Landrace. Seed.
- PI 511186 donor id: BGRC-026082. origin: Yemen Arab Republic.
local name: Dhirah Beida. collector: David Wood.
collector id: GTZ2 Y464. locality: Barat. latitude: 16
deg. 43 min. N. longitude: 44 deg. 19 min. E.
elevation: 2000m. Landrace. Seed.
- PI 511187 donor id: BGRC-026086. origin: Yemen Arab Republic.
local name: Dhirah Hamra. collector: David Wood.
collector id: GTZ2 Y468. locality: Mabar. latitude: 14
deg. 43 min. N. longitude: 44 deg. 20 min. E.
elevation: 2400m. Landrace. Seed.
- PI 511188 donor id: BGRC-026087. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y469.
locality: Dhirah Beida. latitude: 14 deg. 43 min. N.
longitude: 44 deg. 20 min. E. elevation: 2400m.
Landrace. Seed.
- PI 511189 donor id: BGRC-026088. origin: Yemen Arab Republic.
collector: David Wood. collector id: GTZ2 Y470.
locality: Mabar. latitude: 14 deg. 43 min. N.
longitude: 44 deg. 20 min. E. elevation: 2400m.
Landrace. Seed.
- PI 511190 donor id: BGRC-026089. origin: Yemen Arab Republic.
local name: Dhirah Luhmani. collector: David Wood.
collector id: GTZ2 Y471. locality: Mabar. latitude: 14
deg. 43 min. N. longitude: 44 deg. 20 min. E.
elevation: 2400m. Landrace. Seed.
- PI 511191 donor id: BGRC-026090. origin: Yemen Arab Republic.
local name: Dhirah Luhmani. collector: David Wood.
collector id: GTZ2 Y472. locality: Mabar. latitude: 14
deg. 43 min. N. longitude: 44 deg. 20 min. E.
elevation: 2400m. Landrace. Seed.

PI 511053 to 511195-continued

- PI 511192 donor id: BGRC-026091. origin: Yemen Arab Republic.
local name: Dhirah Safra. collector: David Wood.
collector id: GTZ2 Y473. locality: Mabar. latitude: 14
deg. 43 min. N. longitude: 44 deg. 20 min. E.
elevation: 2400m. Landrace. Seed.
- PI 511193 donor id: BGRC-026095. origin: Yemen Arab Republic.
local name: Dhirah Beida. collector: David Wood.
collector id: GTZ2 Y477. locality: Al Makarib.
latitude: 15 deg. 39 min. N. longitude: 44 deg. 11 min.
E. elevation: 2250m. Landrace. Seed.
- PI 511194 donor id: BGRC-026103. origin: Yemen Arab Republic.
local name: Dhirah Hamra. collector: David Wood.
collector id: GTZ2 Y485. locality: N. of Ibb. latitude:
14 deg. 05 min. N. longitude: 44 deg. 10 min. E.
elevation: 1570m. Landrace. Seed.
- PI 511195 donor id: BGRC-026107. origin: Yemen Arab Republic.
local name: Dhirah Safra. collector: David Wood.
collector id: GTZ2 Y489. locality: N. of Ibb. latitude:
14 deg. 05 min. N. longitude: 44 deg. 10 min. E.
elevation: 1570m. Landrace. Seed.

PI 511196 to 511291. *Sorghum bicolor* (L.) Moench POACEAE Sorghum

Donated by: Damania, A.B., IBPGR, AGPG, FAO, Via delle Terme di Caralla, 00100 Rome, Italy; and Rao, P., Genetic Resources Unit, ICRISAT, Patancheru P.O. 502-324, Andhra Pradesh, India. remarks: Received through IBPGR, Rome, Italy. Received September 1980.

- PI 511196 donor id: S 003. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 003. other id: FAO 54861. other id: NSL
112936. locality: Kobenderu, 8km from Baidoa, Upper
Juba. elevation: 450m. Annual. Cultivated. Seed.
- PI 511197 donor id: S 004. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 004. other id: FAO 54880. other id: NSL
112937. locality: Tomalla, 10km from Baidoa, Upper Juba.
elevation: 450m. Annual. Cultivated. Seed.
- PI 511198 donor id: S 005. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 005. other id: FAO 54887. other id: NSL
112938. locality: Waralende, 18km from Baidoa, Upper
Juba. elevation: 450m. Annual. Cultivated. Seed.

PI 511196 to 511291-continued

- PI 511199 donor id: S 006. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 006. other id: FAO 54894. other id: NSL 112939. locality: Almaka, road to Lugh, 15km from Baidoa, Upper Juba. elevation: 450m. Annual. Cultivated. Seed.
- PI 511200 donor id: S 007. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 007. other id: FAO 54895. other id: NSL 112940. locality: Kormanani, road to Lugh, 22km from Baidoa, Upper Juba. elevation: 450m. Annual. Cultivated. Seed.
- PI 511201 donor id: S 008. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 008. other id: FAO 54884. other id: NSL 112941. locality: Audile, road to Lugh, 30km from Baidoa, Upper Juba. elevation: 450m. Annual. Cultivated. Seed.
- PI 511202 donor id: S 009. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 009. other id: FAO 54818. other id: NSL 112942. locality: Bardela, road to Lugh, 50km from Baidoa, Upper Juba. elevation: 450m. Annual. Cultivated. Seed.
- PI 511203 donor id: S 010. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 010. other id: FAO 54872. other id: NSL 112943. locality: Khamsa, road to Lugh, 75km from Baidoa, Upper Juba. elevation: 150m. Annual. Cultivated. Seed.
- PI 511204 donor id: S 011. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 011. other id: FAO 54834. other id: NSL 112944. locality: Irgut, 107km from Baidoa, Upper Juba. elevation: 250m. Annual. Cultivated. Seed.
- PI 511205 donor id: S 015. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 015. other id: FAO 54888. other id: NSL 112945. locality: Horshed, 2km from Lugh Ganana, Upper Juba. elevation: 150m. Annual. Cultivated. Seed.
- PI 511206 donor id: S 017. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 017. other id: FAO 54865. other id: NSL 112946. locality: Market, Lugh Ganana, Upper Juba. elevation: 150m. Annual. Cultivated. Seed.

PI 511196 to 511291-continued

- PI 511207 donor id: S 018. origin: Somalia. local name: Mesego. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 018. other id: FAO 54843. other id: NSL 112947. locality: Buile, 1 km outside Lugh Canana, Upper Juba. elevation: 150m. Annual. Cultivated. Seed.
- PI 511208 donor id: S 020. origin: Somalia. local name: Mesego. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 020. other id: FAO 54893. other id: NSL 112948. locality: Buile, 3 km outside Lugh Canana, Upper Juba. elevation: 150m. Annual. Cultivated. Seed.
- PI 511209 donor id: S 021. origin: Somalia. local name: Mesego. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 021. other id: FAO 54869. other id: NSL 112949. locality: Buile, 3 km outside Lugh Canana, Upper Juba. elevation: 150m. Annual. Cultivated. Seed.
- PI 511210 donor id: S 022. origin: Somalia. local name: Mesego. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 022. other id: FAO 54825. other id: NSL 112950. elevation: 150m. Annual. Cultivated. Seed.
- PI 511211 donor id: S 023. origin: Somalia. local name: Mesego. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 023. other id: FAO 54836. other id: NSL 112951. locality: Gillea, road to Uegit, 53km from Lugh, Upper Juba. elevation: 400m. Annual. Cultivated. Seed.
- PI 511212 donor id: S 024. origin: Somalia. local name: Mesego. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 024. other id: FAO 54849. other id: NSL 112952. locality: Gillea, road to Uegit, 53km from Lugh, Upper Juba. elevation: 400m. Annual. Cultivated. Seed.
- PI 511213 donor id: S 025. origin: Somalia. local name: Mesego. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 025. other id: FAO 54816. other id: NSL 112953. locality: 1 km outside Uegit, Upper Juba. elevation: 450m. Annual. Cultivated. Seed.
- PI 511214 donor id: S 026. origin: Somalia. local name: Mesego. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 026. other id: FAO 54866. other id: NSL 112954. locality: 1 km outside Uegit, Upper Juba. elevation: 450m. Annual. Cultivated. Seed.

PI 511196 to 511291-continued

- PI 511215 donor id: S 027. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 027. other id: FAO 54886. other id: NSL 112955. locality: Market, Uegit, Upper Juba. elevation: 450m. Annual. Cultivated. Seed.
- PI 511216 donor id: S 028. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 028. other id: FAO 54871. other id: NSL 112956. locality: Farmstore, Uegit, Upper Juba. elevation: 450m. Annual. Cultivated. Seed.
- PI 511217 donor id: S 029. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 029. other id: FAO 54841. other id: NSL 112957. locality: Barabarai, road to Baidoa, 45km from Uegit, Upper Juba. elevation: 500m. Annual. Cultivated. Seed.
- PI 511218 donor id: S 030. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 030. other id: FAO 54838. other id: NSL 112958. locality: Barabarai, road to Baidoa, 45km from Uegit, Upper Juba. elevation: 500m. Annual. Cultivated. Seed.
- PI 511219 donor id: S 031. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 031. other id: FAO 54851. other id: NSL 112959. locality: Barabarai, road to Baidoa, 45km from Uegit, Upper Juba. elevation: 500m. Annual. Cultivated. Seed.
- PI 511220 donor id: S 032. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 032. other id: FAO 54806. other id: NSL 112960. locality: Berai, road to Baidoa, 50km from Uegit, Upper Juba. elevation: 500m. Annual. Cultivated. Seed.
- PI 511221 donor id: S 033. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 033. other id: FAO 54811. other id: NSL 112961. locality: Berai, road to Baidoa, 50km from Uegit, Upper Juba. elevation: 500m. Annual. Cultivated. Seed.
- PI 511222 donor id: S 034. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 034. other id: FAO 54891. other id: NSL 112962. locality: Berai, Uegit-Baidoa road, Upper Juba. elevation: 500m. Annual. Cultivated. Seed.

PI 511196 to 511291-continued

- PI 511223 donor id: S 035. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 035. other id: FAO 54867. other id: NSL
112963. locality: Berei, off road, Upper Juba.
elevation: 500m. Annual. Cultivated. Seed.
- PI 511224 donor id: S 036. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 036. other id: FAO 54844. other id: NSL
112964. locality: Berei, 5km off road, Upper Juba.
elevation: 500m. Annual. Cultivated. Seed.
- PI 511225 donor id: S 037. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 037. other id: FAO 54810. other id: NSL
112965. locality: Berei, 7km off road, Upper Juba.
elevation: 500m. Annual. Cultivated. Seed.
- PI 511226 donor id: S 038. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 038. other id: FAO 54820. other id: NSL
112966. locality: Berei, 7km off road, Upper Juba.
elevation: 500m. Annual. Cultivated. Seed.
- PI 511227 donor id: S 039. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 039. other id: FAO 54870. other id: NSL
112967. locality: Berei, 7km E off road, Upper Juba.
elevation: 500m. Annual. Cultivated. Seed.
- PI 511228 donor id: S 043. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 043. other id: FAO 54885. other id: NSL
112968. locality: Berei, W road to Baidoa, Upper Juba.
elevation: 450m. Annual. Cultivated. Seed.
- PI 511229 donor id: S 045. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 045. other id: FAO 54863. other id: NSL
112969. locality: 7km from Daile, road to Baidoa, Upper
Juba. elevation: 500m. Annual. Cultivated. Seed.
- PI 511230 donor id: S 046. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 046. other id: FAO 54879. other id: NSL
112970. locality: Road to Uegit, 28km from Baidoa, Upper
Juba. elevation: 500m. Annual. Cultivated. Seed.

PI 511196 to 511291-continued

- PI 511231 donor id: S 047. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 047. other id: FAO 54821. other id: NSL 112971. locality: Road to Uegit, 28km from Baidoa, Upper Juba. elevation: 500m. Annual. Cultivated. Seed.
- PI 511232 donor id: S 048. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 048. other id: FAO 54840. other id: NSL 112972. locality: Goofadi, road to Uegit, 21km from Baidoa, Upper Juba. elevation: 450m. Annual. Cultivated. Seed.
- PI 511233 donor id: S 049. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 049. other id: FAO 54823. other id: NSL 112973. locality: Goofadi, road to Uegit, 21km from Baidoa, Upper Juba. elevation: 450m. Annual. Cultivated. Seed.
- PI 511234 donor id: S 050. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 050. other id: FAO 54831. other id: NSL 112974. locality: Goofadi, road to Uegit, 15km from Baidoa, Upper Juba. elevation: 500m. Annual. Cultivated. Seed.
- PI 511235 donor id: S 051. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 051. other id: FAO 54826. other id: NSL 112975. locality: Alio-mani, road to Dinsoor, 25km from Baidoa, Upper Juba. elevation: 500m. Annual. Cultivated. Seed.
- PI 511236 donor id: S 052. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 052. other id: FAO 54864. other id: NSL 112976. locality: Alio-mani, road to Dinsoor, 25km from Baidoa, Upper Juba. elevation: 500m. Annual. Cultivated. Seed.
- PI 511237 donor id: S 053. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 053. other id: FAO 54819. other id: NSL 112977. locality: Goof Gadud, road to Dinsoor, 28km from Baidoa, Upper Juba. elevation: 500m. Annual. Cultivated. Seed.

PI 511196 to 511291-continued

- PI 511238 donor id: S 054. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 054. other id: FAO 54802. other id: NSL
112978. locality: Manas, road to Dinsoor, 33km from
Baidoa, Upper Juba. elevation: 450m. Annual.
Cultivated. Seed.
- PI 511239 donor id: S 055. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 055. other id: FAO 54805. other id: NSL
112979. locality: Uebo, road to Dinsoor, 43km from
Baidoa, Upper Juba. elevation: 350m. Annual.
Cultivated. Seed.
- PI 511240 donor id: S 056. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 056. other id: FAO 54852. other id: NSL
112980. locality: Idale, road to Dinsoor, 61km from
Baidoa, Upper Juba. elevation: 350m. Annual.
Cultivated. Seed.
- PI 511241 donor id: S 057. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 057. other id: FAO 54815. other id: NSL
112981. locality: Road to Dinsoor, 83km from Baidoa,
Upper Juba. elevation: 350m. Annual. Cultivated.
Seed.
- PI 511242 donor id: S 058. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 058. other id: FAO 54858. other id: NSL
112982. locality: Farmstore, Dinsoor, Upper Juba.
elevation: 300m. Annual. Cultivated. Seed.
- PI 511243 donor id: S 059. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 059. other id: FAO 54829. other id: NSL
112983. locality: Habib Yale, road to Bardera, 33km from
Dinsoor, Upper Juba. elevation: 300m. Annual.
Cultivated. Seed.
- PI 511244 donor id: S 060. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 060. other id: FAO 54830. other id: NSL
112984. locality: Road to Bardera, 38km from Dinsoor,
Upper Juba. elevation: 300m. Annual. Cultivated.
Seed.

PI 511196 to 511291-continued

- PI 511245 donor id: S 061. origin: Somalia. local name: Mesego. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 061. other id: FAO 54881. other id: NSL 112985. locality: Garas, road to Bardora, 49km from Dinsoor, Upper Juba. elevation: 250m. Annual. Cultivated. Seed.
- PI 511246 donor id: S 062. origin: Somalia. local name: Mesego. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 062. other id: FAO 54817. other id: NSL 112986. locality: Mal Mal Dera, road to Bardora, 68km from Dinsoor, Upper Juba. elevation: 200m. Annual. Cultivated. Seed.
- PI 511247 donor id: S 063. origin: Somalia. local name: Mesego. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 063. other id: FAO 54814. other id: NSL 112987. locality: Wir Wira, road to Bardora, 79km from Dinsoor, Upper Juba. elevation: 200m. Annual. Cultivated. Seed.
- PI 511248 donor id: S 064. origin: Somalia. local name: Mesego. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 064. other id: FAO 54812. other id: NSL 112988. locality: 1 km outside Bardera, Upper Juba. elevation: 150m. Annual. Cultivated. Seed.
- PI 511249 donor id: S 065. origin: Somalia. local name: Mesego. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 065. other id: FAO 54832. other id: NSL 112989. locality: Bulo Hirab, road to Kisimaio, 1 km from Bardera, Upper Juba. elevation: 150m. Annual. Cultivated. Seed.
- PI 511250 donor id: S 066. origin: Somalia. local name: Mesego. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 066. other id: FAO 54808. other id: NSL 112990. locality: Bulo Hirab, road to Kisimaio, 1.5km from Bardera, Upper Juba. elevation: 150m. Annual. Cultivated. Seed.
- PI 511251 donor id: S 067. origin: Somalia. local name: Mesego. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 067. other id: FAO 54892. other id: NSL 112991. locality: Thugar-Hosle, road to Khansedera, 20km from Dinsoor, Upper Juba. elevation: 400m. Annual. Cultivated. Seed.

PI 511196 to 511291-continued

- PI 511252 donor id: S 068. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 068. other id: FAO 54857. other id: NSL 112992. locality: Thugar-Hosle, road to Khansedera, 20km from Dinsoor, Upper Juba. elevation: 400m. Annual. Cultivated. Seed.
- PI 511253 donor id: S 069. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 069. other id: FAO 54828. other id: NSL 112993. locality: Thugar-Hosle, road to Khansedera, 20km from Dinsoor, Upper Juba. elevation: 400m. Annual. Cultivated. Seed.
- PI 511254 donor id: S 070. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 070. other id: FAO 54813. other id: NSL 112994. locality: Thugar-Hosle, road to Khansedera, 20km from Dinsoor, Upper Juba. elevation: 400m. Annual. Cultivated. Seed.
- PI 511255 donor id: S 071. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 071. other id: FAO 54875. other id: NSL 112995. locality: Jarassa, road to Khansedera, 41km from Dinsoor, Upper Juba. elevation: 350m. Annual. Cultivated. Seed.
- PI 511256 donor id: S 072. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 072. other id: FAO 54890. other id: NSL 112996. locality: Wabiyu, road to Khansedera, 45km from Dinsoor, Upper Juba. elevation: 400m. Annual. Cultivated. Seed.
- PI 511257 donor id: S 073. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 073. other id: FAO 54807. other id: NSL 112997. locality: Wabiyu, Upper Juba. elevation: 400m. remarks: White sorghum. Introduced from United States. Annual. Cultivated. Seed.
- PI 511258 donor id: S 074. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 074. other id: FAO 54850. other id: NSL 112998. locality: Wabiyu, Upper Juba. elevation: 400m. remarks: Cross between PI (#073) and local races. Annual. Cultivated. Seed.

PI 511196 to 511291-continued

- PI 511259 donor id: S 075. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 075. other id: FAO 54845. other id: NSL
112999. locality: Farmstore, Khansedera, Upper Juba.
elevation: 400m. Annual. Cultivated. Seed.
- PI 511260 donor id: S 076. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 076. other id: FAO 54809. other id: NSL
113000. locality: Bolad-Amin, road to Baidoa, 28km from
Khansedera, Upper Juba. elevation: 500m. Annual.
Cultivated. Seed.
- PI 511261 donor id: S 077. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 077. other id: FAO 54877. other id: NSL
113001. locality: Road to Baidoa, 32km from Khansedera,
Upper Juba. elevation: 500m. Annual. Cultivated.
Seed.
- PI 511262 donor id: S 078. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 078. other id: FAO 54868. other id: NSL
113002. locality: Road to Baidoa, 41km from Khansedera,
Upper Juba. elevation: 500m. Annual. Cultivated.
Seed.
- PI 511263 donor id: S 079. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 079. other id: FAO 54803. other id: NSL
113003. locality: Haval Barbar, road to Baidoa, 45km
from Khansedera, Upper Juba. elevation: 500m. Annual.
Cultivated. Seed.
- PI 511264 donor id: S 080. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 080. other id: FAO 54882. other id: NSL
113004. locality: Haval Barbar, road to Baidoa, 45km
from Khansedera, Upper Juba. elevation: 500m. Annual.
Cultivated. Seed.
- PI 511265 donor id: S 081. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 081. other id: FAO 54896. other id: NSL
113005. locality: Harissa, road to Baidoa, 55km from
Khansedera, Upper Juba. elevation: 400m. Annual.
Cultivated. Seed.

PI 511196 to 511291-continued

- PI 511266 donor id: S 083. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 083. other id: FAO 54835. other id: NSL
113006. locality: Bakalka, road to Baidoa, 57km from
Khansedera, Upper Juba. elevation: 400m. Annual.
Cultivated. Seed.
- PI 511267 donor id: S 084. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 084. other id: FAO 54824. other id: NSL
113007. locality: Bakalka, road to Baidoa, 57km from
Khansedera, Upper Juba. elevation: 400m. Annual.
Cultivated. Seed.
- PI 511268 donor id: S 085. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 085. other id: FAO 54897. other id: NSL
113008. locality: Bakalka, road to Baidoa, 57km from
Khansedera, Upper Juba. elevation: 400m. Annual.
Cultivated. Seed.
- PI 511269 donor id: S 086. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 086. other id: FAO 54848. other id: NSL
113009. locality: Bano, road to Baidoa, 64km from
Khansedera, Upper Juba. elevation: 450m. Annual.
Cultivated. Seed.
- PI 511270 donor id: S 087. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 087. other id: FAO 54804. other id: NSL
113010. locality: Bano, road to Baidoa, 64km from
Khansedera, Upper Juba. elevation: 450m. Annual.
Cultivated. Seed.
- PI 511271 donor id: S 088. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 088. other id: FAO 54860. other id: NSL
113011. locality: Tugo, road to Baidoa, 67km from
Khansedera, Upper Juba. elevation: 450m. Annual.
Cultivated. Seed.
- PI 511272 donor id: S 089. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 089. other id: FAO 54853. other id: NSL
113012. locality: Below, road to Baidoa, 76km from
Khansedera, Upper Juba. elevation: 550m. Annual.
Cultivated. Seed.

PI 511196 to 511291-continued

- PI 511273 donor id: S 090. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 090. other id: FAO 54874. other id: NSL 113013. locality: Bulo Burako, road to Baidoa, 84km from Khansedera, Upper Juba. elevation: 550m. Annual. Cultivated. Seed.
- PI 511274 donor id: S 091. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 091. other id: FAO 54839. other id: NSL 113014. locality: Road to Bur Acaba, 10km from Baidoa, Upper Juba. elevation: 400m. Annual. Cultivated. Seed.
- PI 511275 donor id: S 092. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 092. other id: FAO 54856. other id: NSL 113015. locality: Kor Urego, road to Bur Acaba, 18km from Baidoa, Upper Juba. elevation: 350m. Annual. Cultivated. Seed.
- PI 511276 donor id: S 093. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 093. other id: FAO 54855. other id: NSL 113016. locality: Mado Mado, road to Bur Acaba, 27km from Baidoa, Upper Juba. elevation: 300m. Annual. Cultivated. Seed.
- PI 511277 donor id: S 094. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 094. other id: FAO 54854. other id: NSL 113017. locality: Lugh Habar, road to Bur Acaba, 41km from Baidoa, Upper Juba. elevation: 300m. Annual. Cultivated. Seed.
- PI 511278 donor id: S 095. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 095. other id: FAO 54889. other id: NSL 113018. locality: Market, Bur Acaba, Upper Juba. elevation: 250m. Annual. Cultivated. Seed.
- PI 511279 donor id: S 096. origin: Somalia. local name: Mesege. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 096. other id: FAO 54837. other id: NSL 113019. locality: Bur Acaba, road to Mogadishu, 2km from Bur Acaba, Upper Juba. elevation: 200m. Annual. Cultivated. Seed.

PI 511196 to 511291-continued

- PI 511280 donor id: S 097. origin: Somalia. local name: Mesego. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 097. other id: FAO 54846. other id: NSL 113020. locality: Golelay, road to Giohar, 47km from Mogadishu, Upper Juba. elevation: 50m. Annual. Cultivated. Seed.
- PI 511281 donor id: S 098. origin: Somalia. local name: Mesego. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 098. other id: FAO 54876. other id: NSL 113021. locality: Kelemow, road to Giohar, 57km from Mogadishu, Upper Juba. elevation: 100m. Annual. Cultivated. Seed.
- PI 511282 donor id: S 099. origin: Somalia. local name: Mesego. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 099. other id: FAO 54842. other id: NSL 113022. locality: Jimbale, road to Giohar, 75km from Mogadishu, Upper Juba. elevation: 150m. Annual. Cultivated. Seed.
- PI 511283 donor id: S 100. origin: Somalia. local name: Mesego. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 100. other id: FAO 54827. other id: NSL 113023. locality: Burimain, road to Giohar, 95km from Mogadishu, Hiran. elevation: 150m. Annual. Cultivated. Seed.
- PI 511284 donor id: S 101. origin: Somalia. local name: Mesego. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 101. other id: FAO 54862. other id: NSL 113024. locality: Hadafar Buro, road to Giohar, 115km from Mogadishu, Hiran. elevation: 150m. Annual. Cultivated. Seed.
- PI 511285 donor id: S 102. origin: Somalia. local name: Mesego. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 102. other id: FAO 54847. other id: NSL 113025. locality: Keli Arrow, road to Belet Huon, 66km from Bulo Burti, Hiran. elevation: 150m. Annual. Cultivated. Seed.
- PI 511286 donor id: S 103. origin: Somalia. local name: Mesego. collected: August 1979. collector: A.B. Damania, P. Rao. collector id: S 103. other id: FAO 54859. other id: NSL 113026. locality: Three Hundred, road to Belet Huon, 78km from Bulo Burti, Hiran. elevation: 100m. Annual. Cultivated. Seed.

PI 511196 to 511291-continued

- PI 511287 donor id: S 104. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 104. other id: FAO 54833. other id: NSL
113027. locality: Off road, Alolad, 14km S of Belet
Huen, Hiran. elevation: 100m. Annual. Cultivated.
Seed.
- PI 511288 donor id: S 105. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 105. other id: FAO 54883. other id: NSL
113028. locality: Off road, Alolad, 14km S of Belet
Huen, Hiran. elevation: 100m. Annual. Cultivated.
Seed.
- PI 511289 donor id: S 106. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 106. other id: FAO 54873. other id: NSL
113029. locality: Off road, Lugh Jelow, 16km S of Belet
Huen, Hiran. elevation: 100m. Annual. Cultivated.
Seed.
- PI 511290 donor id: S 107. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 107. other id: FAO 54822. other id: NSL
113030. locality: Off road, Tehai, 18km S of Belet Huen,
Hiran. elevation: 100m. Annual. Cultivated. Seed.
- PI 511291 donor id: S 108. origin: Somalia. local name: Mesego.
collected: August 1979. collector: A.B. Damania, P. Rao.
collector id: S 108. other id: FAO 54878. other id: NSL
113031. locality: Off road, Lugh Jelow, 21km S of Belet
Huen, Hiran. elevation: 100m. Annual. Cultivated.
Seed.

PI 511292. *Sesbania pachycarpa* DC. FABACEAE

Donated by: Badra, T., National Horticultural Research Inst.,
P.M.B.5432, Ibadan, Oyo State, Nigeria. remarks: Received through
E. Sgaravatti, Seed & Plant Material Exchange Officer, Plant
Production and Protection Division, FAO, Rome, Italy. Received July
14, 1987.

donor id: TB86/6328. origin: India. other id: FAO
66.123. Seed.

PI 511293 to 511302. *Medicago sativa* L. FABACEAE Alfalfa

Donated by: Ning, B., Grassland Research Institute, Huhehot, Inner Mongolia, Peoples Republic of China. **remarks:** Received through J.H. Elgin, National Program Staff, USDA-ARS, Beltsville, MD. Received July 27, 1987.

- PI 511293 **donor id:** IA014. **origin:** China, Peoples Repub of.
cultivar: JA-MO-ZI. **locality:** Inner Mongolia. **remarks:**
Seed harvested in 1980. Cultivar. Seed.
- PI 511294 **donor id:** IA016. **origin:** China, Peoples Repub of.
cultivar: MAI-ZITA. **locality:** Inner Mongolia. **remarks:**
Seed harvested in 1979. Cultivar. Seed.
- PI 511295 **donor id:** IA0113. **origin:** China, Peoples Repub of.
locality: Inner Mongolia. **remarks:** Seed harvested in
1979. Cultivated. Seed.
- PI 511296 **donor id:** IA0117. **origin:** China, Peoples Repub of.
cultivar: GAN XIAN. **locality:** Inner Mongolia. **remarks:**
Seed harvested in 1979. Cultivar. Seed.
- PI 511297 **donor id:** IA0124. **origin:** China, Peoples Repub of.
cultivar: DA-YOU SHAN. **locality:** Inner Mongolia.
remarks: Seed harvested in 1980. Cultivar. Seed.
- PI 511298 **donor id:** IA0136. **origin:** China, Peoples Repub of.
cultivar: HU MENG. **locality:** Inner Mongolia. **remarks:**
Seed harvested in 1980. Cultivar. Seed.
- PI 511299 **donor id:** IA0140. **origin:** China, Peoples Repub of.
cultivar: GREAT LEAF. **locality:** Inner Mongolia.
remarks: Seed harvested in 1980. Cultivar. Seed.
- PI 511300 **donor id:** IA0143. **origin:** China, Peoples Repub of.
cultivar: ZHAO DONG. **locality:** Inner Mongolia. **remarks:**
Seed harvested in 1980. Cultivar. Seed.
- PI 511301 **donor id:** IA0187. **origin:** China, Peoples Repub of.
cultivar: GONG-NONG No.2. **locality:** Inner Mongolia.
remarks: Seed harvested in 1979. Cultivar. Seed.
- PI 511302 **origin:** Soviet Union. **cultivar:** RUSSIAN 36. **locality:**
Inner Mongolia. **remarks:** Seed harvested in 1979.
Cultivar. Seed.

PI 511303. *Medicago sativa* L. FABACEAE Alfalfa

Donated by: Elgin, J.H., National Program Staff, USDA-ARS,
Beltsville, Maryland, United States. Received July 27, 1987.

PI 511303-continued

origin: China, Peoples Repub of. **collected:** June 28, 1987. **locality:** Between cobble-stone in courtyard of Palace Museum. **remarks:** Plants semi-upright. Leaves medium size. Flowers purple. **drought tolerance:** To dry court yard conditions. Wild. Seed.

PI 511304. *Lespedeza* sp. FABACEAE

Donated by: Elgin, J.H., National Program Staff, USDA-ARS, Beltsville, Maryland, United States. Received July 27, 1987.

origin: China, Peoples Repub of. **collected:** June 28, 1987. **locality:** Grounds, Palace Musium, Beijing. **remarks:** Plants prostrate to semi-upright. Flowers yellow. Pods in clusters. Seeds one per pod. Also seen growing profusely at Ming Tomb, North of Beijing. Wild. Seed.

PI 511305. *Guizotia abyssinica* (L. f.) Cass. ASTERACEAE Niger

Donated by: Niger Research Project, Dindori, Maharashter, India. **remarks:** Received through National Bureau of Plant Genetic Resources, New Delhi, India. Received August 1987.

origin: India. **cultivar:** IGP-76. Cultivar. Seed.

PI 511306. *Anthephora pubescens* Nees POACEAE Bottlebrush grass

Donated by: McDonald Seeds, P.O. Box 238, Pietermaritzburg 3200, Natal, Republic of South Africa. Received July 27, 1987.

origin: South Africa. **historical origin:** South Africa, Republic of. **other id:** SCS-9053573. **locality:** Originally near Vryburg, eastern Kalahari Desert. **remarks:** Potential use to reduce soil erosion, increase infiltration and provide cover and forage for wildlife and domestic livestock. Wild. Seed.

PI 511307 to 511308. *Triticum aestivum* L. POACEAE Common wheat

Donated by: Nickerson American Plant Breeders, Inc., 5201 Johnson Drive, Mission, Kansas, United States. Received August 10, 1987.

PI 511307 to 511308-continued

PI 511307 **donor id:** W81-362-5. **origin:** United States. **cultivar:** ABILENE. **pedigree:** OK11252/W76-1226. **remarks:** Hard red type. Plants short to intermediate, semidwarf habit. Heads middense, awned, white at maturity. High yielding. Maturity medium. Food milling and baking properties. Wide area of adaptation in central Great Plains. Susceptible to Hessian fly & powdery mildew. **disease resistance:** Good to races of leaf and stem rust, & speckled leaf blotch. Excellent to soil borne mosaic virus. Fair against wheat spindle, tan spot and streak mosaic virus. Winter Annual. Cultivar. Seed.

PI 511308 **donor id:** W81-171-14. **origin:** United States. **cultivar:** MESA. **pedigree:** OK11252/W76-1226. **remarks:** Plants short, semidwarf, dark green with erect, twisted flag leaf. Heads middense, tapering, awned. Chaff white. Glumes long and narrow. Maturity early. Good milling and baking properties. Excellent test weight patterns. Excellent straw strength. Adapted to HRWW region. Susceptible to mildew. **disease resistance:** Excellent protection to soil borne mosaic virus. Good to leaf rust, stem rust, wheat spindle streak. Mosaic virus and speckled leaf blotch. Fair to tan spot. Winter Annual. Cultivar. Seed.

PI 511309 to 511311. Zea mays L. POACEAE Corn

Donated by: Goodman, M.M., Department of Crop Science, North Carolina State University, Raleigh, North Carolina, United States. **remarks:** Cooperative development by North Carolina Agricultural Research Service and USDA-ARS. Received August 17, 1987.

PI 511309 **donor id:** NC252. **origin:** United States. **pedigree:** B73///B73//B73/Pa 91. **other id:** PL-98. **group:** CSR-MAIZE. **other id:** BB11. **remarks:** Semi-prolific. Cobs red. Maturity classification AES700. Yield good. General combining ability good. Lodging resistance reasonable. Potential as male or female parent in single crosses. Breeding Material. Seed.

PI 511310 **donor id:** NC254. **origin:** United States. **pedigree:** B73///B73//B73/Pa 91. **other id:** PL-99. **group:** CSR-MAIZE. **other id:** BB15. **remarks:** Cobs red. Maturity classification AES700. Yield good. General combining ability good. Lodging resistance reasonable. Potential as male or female parent in single crosses. Breeding Material. Seed.

PI 511309 to 511311-continued

PI 511311 **donor id:** NC256. **origin:** United States. **pedigree:** B73///B73//B73/Pa 91. **other id:** PL-100. **group:** CSR-MAIZE. **other id:** BB25. **remarks:** Cobs red. Maturity classification AES700. Higher yielding under NC conditions than PI NC252 and PI NC254. General combining ability good. Lodging resistance reasonable. Potential as male or female parent in single crosses. Breeding Material. Seed.

PI 511312. *Cynodon* sp. POACEAE Bermudagrass

Donated by: Burton, G.W., USDA-ARS, Univ. of Georgia Coastal Plain Exp. Sta., Tifton, Georgia, United States. **remarks:** Joint contribution of USDA-ARS and the Georgia Coastal Plain Experiment Station, Tifton, Georgia. Received August 17, 1987.

origin: United States. **cultivar:** TIFTON 78. **pedigree:** Tifton 44/Callie. **other id:** CV-17. **group:** CSR-BERMUDAGRASS. **remarks:** Plants sterile, vegetatively propagated. Plants taller, spread faster, establish easier and start spring growth earlier than Coastal. Plants produce more rhizomes, is more winterhardy than Callie. Cold tolerance. **disease resistance:** Immune to rust. Cultivar. Plant.

PI 511313 to 511318. *Zea mays* L. POACEAE Corn

Donated by: Widstrom, N.W., Insect Biology & Population Management, USDA-ARS, Tifton, Georgia, United States. **remarks:** Joint contribution of USDA-ARS and the Georgia Coastal Plain Experiment Station, Tifton, Georgia. Received August 17, 1987.

PI 511313 **donor id:** GT113. **origin:** United States. **other id:** GP-164. **group:** CSR-MAIZE. **remarks:** Maturity classification AES1000. Darker color and more vigor than PI 511315. Better husk coverage and tightness than commercial hybrids. Yellow-dent type. **insect resistance:** Corn earworm. Breeding Material. Seed.

PI 511314 **donor id:** GT114. **origin:** United States. **other id:** GP-165. **group:** CSR-MAIZE. **remarks:** Maturity classification AES1000. Poor pollen producer. Darker color and more vigor than PI 511315. Better husk coverage and tightness than commercial hybrids. Yellow-dent type. **insect resistance:** Corn earworm. Breeding Material. Seed.

PI 511313 to 511318-continued

- PI 511315 donor id: GT115. origin: United States. other id: GP-166. group: CSR-MAIZE. remarks: Maturity classification AES1200. Smaller tassel than PI 511313 or PI 511314. Better husk coverage and tightness than commercial hybrids. Yellow-dent type. insect resistance: Corn earworm. Breeding Material. Seed.
- PI 511316 donor id: GT117. origin: United States. other id: GP-167. group: CSR-MAIZE. remarks: Sister line of PI 511317 with maturity classification AES1200. Two days earlier maturity, slightly taller and more tolerance to common smut than PI 511317. Better husk coverage and tightness than commercial hybrids. Yellow-dent type. insect resistance: Corn earworm. Breeding Material. Seed.
- PI 511317 donor id: GT118. origin: United States. other id: GP-168. group: CSR-MAIZE. remarks: Sister line of PI 511316 with maturity classification AES1200. Poor pollen producer and transmits less prolificacy to its hybrids than PI 511316. Better husk coverage and tightness than commercial hybrids. Yellow-dent type. insect resistance: Corn earworm. Breeding Material. Seed.
- PI 511318 donor id: GT119. origin: United States. other id: GP-169. group: CSR-MAIZE. remarks: Maturity classification AES1000, four to five days earlier and lower ear placement than PI 511316. Color light. Pollen good. Better husk coverage and tightness than commercial hybrids. Yellow-dent type. insect resistance: Corn earworm. Breeding Material. Seed.

PI 511319 to 511337. Sorghum bicolor (L.) Moench POACEAE Sorghum

Donated by: Nordquist, P.T., West Central Research & Extension Center, University of Nebraska, North Platte, Nebraska, United States. Received August 17, 1987.

- PI 511319 donor id: N49. origin: United States. other id: GP-212. group: CSR-SORGHUM. remarks: Improved stalk strength. Breeding Material. Seed.
- PI 511320 donor id: N50. origin: United States. other id: GP-213. group: CSR-SORGHUM. remarks: Improved stalk strength. Breeding Material. Seed.
- PI 511321 donor id: N51. origin: United States. other id: GP-214. group: CSR-SORGHUM. remarks: Improved stalk strength. Breeding Material. Seed.

PI 511319 to 511337-continued

- PI 511322 donor id: N52. origin: United States. other id: GP-215.
group: CSR-SORGHUM. remarks: Improved stalk strength.
Breeding Material. Seed.
- PI 511323 donor id: N53. origin: United States. other id: GP-216.
group: CSR-SORGHUM. remarks: Improved stalk strength.
Breeding Material. Seed.
- PI 511324 donor id: N54. origin: United States. other id: GP-217.
group: CSR-SORGHUM. remarks: Improved stalk strength.
Breeding Material. Seed.
- PI 511325 donor id: N55. origin: United States. other id: GP-218.
group: CSR-SORGHUM. remarks: Improved stalk strength.
Breeding Material. Seed.
- PI 511326 donor id: N56. origin: United States. other id: GP-219.
group: CSR-SORGHUM. remarks: Improved stalk strength.
Breeding Material. Seed.
- PI 511327 donor id: N57. origin: United States. other id: GP-220.
group: CSR-SORGHUM. remarks: Improved stalk strength.
Breeding Material. Seed.
- PI 511328 donor id: N58. origin: United States. other id: GP-221.
group: CSR-SORGHUM. remarks: Improved stalk strength.
Breeding Material. Seed.
- PI 511329 donor id: N59. origin: United States. other id: GP-222.
group: CSR-SORGHUM. remarks: Improved stalk strength.
Breeding Material. Seed.
- PI 511330 donor id: N60. origin: United States. other id: GP-223.
group: CSR-SORGHUM. remarks: Improved stalk strength.
Breeding Material. Seed.
- PI 511331 donor id: N61. origin: United States. other id: GP-224.
group: CSR-SORGHUM. remarks: Improved stalk strength.
Breeding Material. Seed.
- PI 511332 donor id: N62. origin: United States. other id: GP-225.
group: CSR-SORGHUM. remarks: Improved stalk strength.
Breeding Material. Seed.
- PI 511333 donor id: N63. origin: United States. other id: GP-226.
group: CSR-SORGHUM. remarks: Improved stalk strength.
Breeding Material. Seed.
- PI 511334 donor id: N64. origin: United States. other id: GP-227.
group: CSR-SORGHUM. remarks: Improved stalk strength.
Breeding Material. Seed.

PI 511319 to 511337-continued

PI 511335 **donor id:** N65. **origin:** United States. **other id:** GP-228.
group: CSR-SORGHUM. **remarks:** Improved stalk strength.
Breeding Material. Seed.

PI 511336 **donor id:** N66. **origin:** United States. **other id:** GP-229.
group: CSR-SORGHUM. **remarks:** Improved stalk strength.
Breeding Material. Seed.

PI 511337 **donor id:** N67. **origin:** United States. **other id:** GP-230.
group: CSR-SORGHUM. **remarks:** Improved stalk strength.
Breeding Material. Seed.

PI 511338. *Poa pratensis* L. POACEAE Kentucky bluegrass

Donated by: Jacklin, A.W., Jacklin Seed Company, West 5300 Jacklin Avenue, Post Falls, Idaho, United States. **remarks:** Joint contribution of Jacklin Seed Co., Peterson Seed Co., and New Jersey Agriculture Experiment Station. Received August 17, 1987.

donor id: Jacklin 225. **origin:** United States. **cultivar:** Classic. **pedigree:** NJE P-59/Baron. **other id:** CV-32.
group: CSR-BLUEGRASS. **other id:** H74-225. **other id:** PVP Cert. No. 8500016. **remarks:** Plants moderately low-growing, turf-type with bright medium dark green color. Good spring and fall color. Excellent winter hardiness and good heat tolerance. Facultative apomict. **disease resistance:** Good to leaf spot, melting-out, stem rust. One causal organism of Fusarium Blight syndrome. Cultivar. Seed.

PI 511339 to 511344. *Nicotiana tabacum* L. SOLANACEAE Tobacco

Donated by: Nielsen, M.T., Department of Agronomy, University of Kentucky, Lexington, Kentucky, United States. Received August 17, 1987.

PI 511339 **donor id:** KY8651. **origin:** United States. **pedigree:** NC 95*4/KY10. **other id:** GP-23. **group:** CSR-TOBACCO.
remarks: Field performance similar to the recurrent parent. Source of root knot nematode resistance for development of burley tobacco cultivars. **nematode resistance:** Root knot (*Meloidogyne incognita*). Breeding Material. Seed.

PI 511339 to 511344-continued

PI 511340 donor id: KY8654. origin: United States. pedigree: NC 95*4/KY14. other id: GP-24. group: CSR-TOBACCO. remarks: Field performance similar to the recurrent parent. Source of root knot nematode resistance for development of burley tobacco cultivars. nematode resistance: Root knot (*Meloidogyne incognita*). Breeding Material. Seed.

PI 511341 donor id: KY8635. origin: United States. pedigree: NC 95*4/KY17. other id: GP-25. group: CSR-TOBACCO. remarks: Field performance similar to the recurrent parent. Source of root knot nematode resistance for development of burley tobacco cultivars. nematode resistance: Root knot (*Meloidogyne incognita*). Breeding Material. Seed.

PI 511342 donor id: HI Burley 21. origin: United States. pedigree: Burley 21/LA Burley 21. other id: GP-26. group: CSR-TOBACCO. remarks: Released for use in development of breeding lines with altered alkaloid levels and in examining the biosynthesis of alkaloids. Total alkaloid content intermediate at 25mg g-1 dry weight. Breeding Material. Seed.

PI 511343 donor id: LI Burley 21. origin: United States. pedigree: Burley 21/LA Burley 21. other id: GP-27. group: CSR-TOBACCO. remarks: Released for use in development of breeding lines with altered alkaloid levels and in examining the biosynthesis of alkaloids. Total alkaloid content intermediate at 12mg g-1 dry weight. Breeding Material. Seed.

PI 511344 donor id: KY78379. origin: United States. pedigree: Beinhart 1000-1/Burley 49//VA 509. other id: GP-28. group: CSR-TOBACCO. remarks: Nicotine content high (25-30 mg g-1). Released for use in studies for biosynthesis of alkaloids in tobacco and investigations of the role of alkaloids in formation of smoke components. disease resistance: Intermediate to black shank. High to tobacco mosaic virus, wildfire and black rot. Breeding Material. Seed.

PI 511345 to 511347. *Gossypium hirsutum* L. MALVACEAE Cotton

Donated by: Jones, J.E., Department of Agronomy, Louisiana Agriculture Experiment Station, Louisiana State University, Baton Rouge, Louisiana, United States. Received August 17, 1987.

PI 511345 to 511347-continued

PI 511345 donor id: HG-063. origin: United States. pedigree: La. HG 83-1-1546/La. HG 1838-1497. other id: GP-313. group: CSR-COTTON. remarks: Plant pubescence reduced. Bracts small. Crop maturity early. Yielding ability good. Fiber quality acceptable. insect resistance: Cotton bollworm-tobacco budworm (*Heliothis* spp.) pest complex. Breeding Material. Seed.

PI 511346 donor id: HG-065. origin: United States. pedigree: La. HG 83-1-1546/La. HG 1838-1497. other id: GP-314. group: CSR-COTTON. remarks: Plant pubescence reduced. Bracts small. Crop maturity early. Yielding ability good. Fiber quality acceptable. insect resistance: Cotton bollworm-tobacco budworm (*Heliothis* spp.) pest complex. Breeding Material. Seed.

PI 511347 donor id: HG-660. origin: United States. pedigree: La. HG 83-1-1546/La. HG 1838-1497. other id: GP-315. group: CSR-COTTON. remarks: Plant pubescence reduced. Bracts small. Crop maturity early. Yielding ability good. Fiber quality acceptable. insect resistance: Cotton bollworm-tobacco budworm (*Heliothis* spp.) pest complex. Breeding Material. Seed.

PI 511348 to 511350. *Gossypium hirsutum* L. MALVACEAE Cotton

Donated by: Bourland, F.M., Department of Agronomy, Mississippi State University, Mississippi State, Mississippi, United States. Received August 17, 1987.

PI 511348 donor id: MISCOT 7913-51. origin: United States. pedigree: McNair 235/CAMD-21S-78. other id: GP-316. group: CSR-COTTON. remarks: Superior genotype with normal pubescence. disease resistance: Bacterial blight, fusarium wilt. Seedling disease. insect resistance: Tobacco budworm (*Heliothis virescens*). Breeding Material. Seed.

PI 511349 donor id: MISCOT 7913-83. origin: United States. pedigree: McNair 235/CAMD-21S-78. other id: GP-317. group: CSR-COTTON. remarks: Superior glabrous genotype. disease resistance: Bacterial blight, fusarium wilt. Seedling disease. insect resistance: Tobacco budworm (*Heliothis virescens*). Breeding Material. Seed.

PI 511350 donor id: MISCOT 7913-84. origin: United States. pedigree: McNair 235/CAMD-21S-78. other id: GP-318. group: CSR-COTTON. remarks: Superior glabrous genotype. disease resistance: Bacterial blight, fusarium wilt. Seedling disease. insect resistance: Tobacco budworm (*Heliothis virescens*). Breeding Material. Seed.

PI 511351 to 511352. *Festuca arundinacea* Schreber POACEAE Tall Fescue

Donated by: Meyer, W.A., Pure-Seed Testing, Inc., P.O. Box 449, Hubbard, Oregon, United States. Received August 17, 1987.

PI 511351 **donor id:** Pure Seed 5LL. **origin:** United States. **cultivar:** ADVENTURE. **pedigree:** 145-clone synthetic. **other id:** CV-32. **group:** CSR-FESCUE. **other id:** PVP Cert. No. 8300079. **remarks:** Vigorous, leafy, turf type with medium dark green color, medium texture, low growth habit & good density. Shown greater vigor and color at low fertility levels than other commercially available tall fescues. High flag leaf height. Good turf performance at high and low fertility. **disease resistance:** Good to net blotch, brown patch, and crown rust. Cold tolerance. Heat tolerance. Cultivar. Seed.

PI 511352 **origin:** United States. **cultivar:** JAGUAR. **pedigree:** 50-clone synthetic. **other id:** CV-33. **group:** CSR-FESCUE. **other id:** PVP Cert. No. 8200167. **remarks:** Leafy, turf type with good turf density, medium dark green color, moderately low growth habit. Good shade tolerance and low temperature color retention in late fall. **disease resistance:** Good to net blotch, brown patch, and crown rust. **heat tolerance:** Good. **drought tolerance:** Good. Cultivar. Seed.

PI 511353. *Gossypium hirsutum* L. MALVACEAE Cotton

Donated by: Culp, T.W., USDA-ARS, Department of Agronomy, Clemson University, Florence, South Carolina, United States. **remarks:** Joint contribution of USDA-ARS and the South Carolina Agricultural Experiment Station. Received August 17, 1987.

donor id: PD-6208. **origin:** United States. **cultivar:** PD-3. **pedigree:** PD 9363/ PD9240. **other id:** CV-92. **group:** CSR-COTTON. **remarks:** Replaces PD-1. When compared to PD-1, plants have shorter internodes, darker leaves, and equal or taller plant height, wider adaptation, higher lint yield potential, stronger fiber, higher yarn tenacity, and fewer neps. Breeding Material. Seed.

PI 511354. *Gossypium hirsutum* L. MALVACEAE Cotton

Donated by: Roberts, C.L., Department of Agronomy and Horticulture, New Mexico State University, Las Cruces, New Mexico, United States. Received August 17, 1987.

PI 511354-continued

donor id: B1788. **origin:** United States. **cultivar:** ACALA 1517-88. **pedigree:** Acala 1517-77BR/Deltapine 70. **other id:** CV-93. **group:** CSR-COTTON. **remarks:** Plants 98cm tall. Bolls ovate, 2.35g lint/boll. Seeds medium-sized. Fuzzy seed index 11.2g. Fiber length 30.2mm. Fiber uniformity 48%. **disease resistance:** Races 1,2 and 10 of bacterial blight. Tolerant to *Verticillium dahliae* and *Fusarium* wilt. Cultivar. Seed.

PI 511355. *Sorghum bicolor* (L.) Moench POACEAE Sorghum

Donated by: Kresovich, S., Texas Agricultural Experiment Station, Weslaco, Texas, United States; and Broadhead, D.M., Sugar Crops Field Station, USDA-ARS, Meridian, Mississippi, United States. **remarks:** Joint contribution of the Texas Agricultural Experiment Station, Weslaco and USDA-ARS, Meridian, Mississippi. Received August 17, 1987.

donor id: Mer. 81-2. **origin:** United States. **cultivar:** SMITH. **pedigree:** MN4004/Mer. 61-11. **other id:** CV-127. **group:** CSR-SORGHUM. **remarks:** Panicles semi-loose with drooping primary branches to semi-compact elliptic. Glumes dark purple with light areas along margins. Pubescence semi-deciduous to more persistent on edges. Grain medium to large. Clums juicy and sweet. Late season, sweet type. **disease resistance:** Leaf anthracnose, stalk red rot, rough leaf spot. Good to head smut, fair to downy mildew. Fair to Maize dwarf mosaic virus. Cultivar. Seed.

PI 511356 to 511361. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Jolliff, G.D., Department of Crop Sciences, Oregon State University, Corvallis, Oregon, United States. Received August 17, 1987.

PI 511356 **donor id:** ORG83-9. **origin:** United States. **pedigree:** Evans/Traff. **other id:** GP-105. **group:** CSR-SOYBEAN. **remarks:** Plants indeterminate, 65cm tall. Maturity 114 days. Flowers white. Pubescence brown. Hilum buff. Adapted to low night temperatures of Northwestern Oregon. Breeding Material. Seed.

PI 511357 **donor id:** ORG83-71. **origin:** United States. **pedigree:** Evans/Traff. **other id:** GP-106. **group:** CSR-SOYBEAN. **remarks:** Plants indeterminate, 73cm tall. Maturity 117 days. Flowers white. Pubescence gray. Hilum yellow. Adapted to low night temperatures of Northwestern Oregon. Breeding Material. Seed.

PI 511356 to 511361-continued

- PI 511358 **donor id:** ORG83-72. **origin:** United States. **pedigree:** Evans/Traff. **other id:** GP-107. **group:** CSR-SOYBEAN. **remarks:** Plants semi-determinate, 64cm tall. Maturity 122 days. Flowers purple. Pubescence gray. Hilum black. Adapted to low night temperatures of Northwestern Oregon. Breeding Material. Seed.
- PI 511359 **donor id:** ORG83-117. **origin:** United States. **pedigree:** Evans/Traff. **other id:** GP-108. **group:** CSR-SOYBEAN. **remarks:** Plants semi-determinate, 63cm tall. Maturity 107 days. Flowers purple. Pubescence brown. Hilum black. Adapted to low night temperatures of Northwestern Oregon. Breeding Material. Seed.
- PI 511360 **donor id:** ORG83-149. **origin:** United States. **pedigree:** M75-2//L6/3 / Hodgson 78. **other id:** GP-109. **group:** CSR-SOYBEAN. **remarks:** Plants indeterminate, 71cm tall. Maturity 118 days. Flowers white. Pubescence brown. Hilum brown. Adapted to low night temperatures of Northwestern Oregon. Breeding Material. Seed.
- PI 511361 **donor id:** ORG83-151. **origin:** United States. **pedigree:** Evans//L41/6 / Hodgson 78. **other id:** GP-110. **group:** CSR-SOYBEAN. **remarks:** Plants indeterminate, 70cm tall. Maturity 113 days. Flowers white. Pubescence gray. Hilum brown with white center. Adapted to low night temperatures of Northwestern Oregon. Breeding Material. Seed.

PI 511362 to 511363. *Aegilops tauschii* var. *anathera* (Eig) Hammer
POACEAE

Donated by: Tanaka, M., Plant Germ-Plasm Institute, Faculty of Agriculture, Kyoto University, Mozume, Mukomachi, Kyoto 617, Japan. Received October 1981.

PI 511362 **donor id:** 2003-2003-4. **origin:** Pakistan. **received as:** *Aegilops squarrosa* var. *anthera*. Cultivated. Seed.

PI 511363 **donor id:** 2059-2095-2. **origin:** Afghanistan. **received as:** *Aegilops squarrosa* var. *anthera*. Cultivated. Seed.

PI 511364. *Aegilops tauschii* var. *meyerii* (Griseb.) Tzvelev POACEAE

Donated by: Tanaka, M., Plant Germ-Plasm Institute, Faculty of Agriculture, Kyoto University, Mozume, Mukomachi, Kyoto 617, Japan. Received October 1981.

donor id: 2109-2157-2. **origin:** Iran. **received as:** *Aegilops squarrosa* var. *meyeri*. Cultivated. Seed.

PI 511365 to 511375. *Aegilops tauschii* Cosson subsp. *tauschii* POACEAE

Donated by: Tanaka, M., Plant Germ-Plasm Institute, Faculty of Agriculture, Kyoto University, Mozume, Mukomachi, Kyoto 617, Japan. Received October 1981.

PI 511365 **donor id:** 2001-2001-3. **origin:** Pakistan. **received as:** *Aegilops squarrosa* var. *typica*. Cultivated. Seed.

PI 511366 **donor id:** 2013-2033-1. **origin:** Afghanistan. **received as:** *Aegilops squarrosa* var. *typica*. Cultivated. Seed.

PI 511367 **donor id:** 2019-2042-2. **origin:** Afghanistan. **received as:** *Aegilops squarrosa* var. *typica*. Cultivated. Seed.

PI 511368 **donor id:** 2069-2106-2. **origin:** Iran. **received as:** *Aegilops squarrosa* var. *typica*. Cultivated. Seed.

PI 511369 **donor id:** 2082-2128-4. **origin:** Iran. **received as:** *Aegilops squarrosa* var. *typica*. Cultivated. Seed.

PI 511370 **donor id:** 2083-2129-1. **origin:** Iran. **received as:** *Aegilops squarrosa* var. *typica*. Cultivated. Seed.

PI 511371 **donor id:** 2086-2132-9. **origin:** Iran. **received as:** *Aegilops squarrosa* var. *typica*. Cultivated. Seed.

PI 511372 **donor id:** 2110-2159-2. **origin:** Iran. **received as:** *Aegilops squarrosa* var. *typica*. Cultivated. Seed.

PI 511373 **donor id:** 2116-2170-1. **origin:** Iran. **received as:** *Aegilops squarrosa* var. *typica*. Cultivated. Seed.

PI 511374 **donor id:** 20-1. **origin:** UNKNOWN. **received as:** *Aegilops squarrosa* var. *typica*. Cultivated. Seed.

PI 511375 **donor id:** 20-2. **origin:** UNKNOWN. **received as:** *Aegilops squarrosa* var. *typica*. Cultivated. Seed.

PI 511376 to 511380. *Aegilops tauschii* Cosson POACEAE

Donated by: Tanaka, M., Plant Germ-Plasm Institute, Faculty of Agriculture, Kyoto University, Mozume, Mukomachi, Kyoto 617, Japan. Received October 1981.

PI 511376 **donor id:** 2031-2058-3. **origin:** Afghanistan. **received as:** *Aegilops squarrosa* var. *intermediate*. Cultivated. Seed.

PI 511377 **donor id:** 2084-2130-3. **origin:** Iran. **received as:** *Aegilops squarrosa* var. *intermediate*. Cultivated. Seed.

PI 511376 to 511380-continued

PI 511378 donor id: 2117-2171-6. origin: Iran. received as:
Aegilops squarrosa var. intermediate. Cultivated. Seed.

PI 511379 donor id: 2118-2172-3. origin: Iran. received as:
Aegilops squarrosa var. intermediate. Cultivated. Seed.

PI 511380 donor id: 2126-2182. origin: Iran. received as:
Aegilops squarrosa var. intermediate. Cultivated. Seed.

PI 511381 to 511385. Aegilops tauschii subsp. strangulata (Eig) Tzvelev
POACEAE

Donated by: Tanaka, M., Plant Germ-Plasm Institute, Faculty of
Agriculture, Kyoto University, Mozume, Mukomachi, Kyoto 617, Japan.
Received October 1981.

PI 511381 donor id: 2073-2111-7. origin: Iran. received as:
Aegilops squarrosa var. strangulata. Cultivated. Seed.

PI 511382 donor id: 2074-2112-3. origin: Iran. received as:
Aegilops squarrosa var. strangulata. Cultivated. Seed.

PI 511383 donor id: 2075-2115-4. origin: Iran. received as:
Aegilops squarrosa var. strangulata. Cultivated. Seed.

PI 511384 donor id: 2076-2118-1. origin: Iran. received as:
Aegilops squarrosa var. strangulata. Cultivated. Seed.

PI 511385 donor id: 2077-2119-1. origin: Iran. received as:
Aegilops squarrosa var. strangulata. Cultivated. Seed.

PI 511386. Pennisetum glaucum (L.) R. Br. POACEAE Pearl millet

Donated by: Singh, S.D., ICRISAT, Patancheru P.O., Andhra Pradesh,
India. Received October 10, 1986.

donor id: ICML 11. origin: India. pedigree: Selection
from IP 2696 (Rep. of Chad). other id: GP-51. group:
CSR-MILLET, PEARL. other id: J.A. No. 559. remarks:
Maturity early, 65-70 days. Leaf development rapid and
early. Plant tillers profusely, 6-7 head bearing
tillers/plant. Heads short 7-10cm, compact and
cylindrical. Seeds medium size, obovate, grey-brown.
Possesses Rpp1(1) gene for rust resistance. disease
resistance: Pearl millet rust and downy mildew. Breeding
Material. Seed.

PI 511387. *Medicago sativa* L. FABACEAE Alfalfa

Donated by: Yun, J.F., College of Agric. & Animal Husbandry, Huhehot, Inner Mongolia, China, Peoples Repub. of. **remarks:** Received through J.H. Elgin, National Program Staff, USDA-ARS, Beltsville, Maryland. Received July 27, 1987.

origin: China, Peoples Repub of. **cultivar:** GRASSLAND NO. 1. **pedigree:** *M. sativa* subsp *falcata*/*M. sativa* subsp *sativa*. **collected:** 1986. **locality:** West part of Inner Mongolia. **received as:** *M. medium* Pers. Cultivar. Seed.

PI 511388. *Mucuna pruriens* var. *utilis* (Wallich ex Wight) Baker ex Burck FABACEAE Velvet bean

Donated by: National Bureau of Plant Genetics Res., Indian Council of Agricultural Research, (IARI CAMPUS) FCI Bldg., New Delhi, India. Received July 29, 1987.

origin: India. **cultivar:** NBPGR-14. **received as:** *Mucuna deeringiana*. Cultivar. Seed.

PI 511389. *Hordeum vulgare* L. POACEAE Barley

Donated by: Rehse, E., Zuchtstation Wetze Der F. Von, Lochow-Petkus GMBH, 3410 Northeim 13, Germany, Federal Rep of. Received August 20, 1987.

origin: Germany, Federal Rep of. **cultivar:** BANGO. **remarks:** Six-row type. Winter Annual. Cultivar. Seed.

PI 511390. *Hordeum vulgare* L. POACEAE Barley

Donated by: Helm, J.H., Alberta Agriculture, Field Crops Branch, 5718 56 Avenue, Bag Service #47, Lacombe, Alberta, Canada. Received August 21, 1987.

donor id: BT 518. **origin:** Canada. **cultivar:** NOBLE. **pedigree:** BrY63-4/Galt. **other id:** H73052061. **remarks:** Six-row, feed type. Awns smooth. Aleurone yellow. Yield higher than check varieties. Straw strenght good. Good plump seed and test weight. Susceptible to loose smut, inoculated races of scald, and races 102 and 858 of net blotch; moderately to root rots. **disease resistance:** Good to spot blotch, covered smut & black semi-loose smut. Moderate to scald & net blotch. Spring Annual. Cultivar. Seed.

PI 511391 to 511672. *Zea mays* L. POACEAE Field corn

Donated by: CIMMYT, Mexico, D.F., Mexico. **remarks:** received through Pioneer Hi-Bred International, Inc. Dept. of Corn Breeding, Homestead, Florida. Received August 3, 1987.

- PI 511391 donor id: Australasian Comp. AVC. origin: UNKNOWN. Cultivated. Seed.
- PI 511392 donor id: Bolivia 78. origin: Bolivia. Cultivated. Seed.
- PI 511393 donor id: Bolivia 93. origin: Bolivia. Cultivated. Seed.
- PI 511394 donor id: Bolivia 323. origin: Bolivia. Cultivated. Seed.
- PI 511395 donor id: Boyaca 462. origin: Colombia. Cultivated. Seed.
- PI 511396 donor id: Brazil 372. origin: Brazil. Cultivated. Seed.
- PI 511397 donor id: Brazil 1086-AF. origin: Brazil. Cultivated. Seed.
- PI 511398 donor id: Brazil 1087-AF. origin: Brazil. Cultivated. Seed.
- PI 511399 donor id: Brazil 1088-AF. origin: Brazil. Cultivated. Seed.
- PI 511400 donor id: Brazil 1089-AF. origin: Brazil. Cultivated. Seed.
- PI 511401 donor id: Brazil 1090-AF. origin: Brazil. Cultivated. Seed.
- PI 511402 donor id: Brazil 1091-AF. origin: Brazil. Cultivated. Seed.
- PI 511403 donor id: Brazil 1092-AF. origin: Brazil. Cultivated. Seed.
- PI 511404 donor id: Brazil 1093-AF. origin: Brazil. Cultivated. Seed.
- PI 511405 donor id: Brazil 1094-AF. origin: Brazil. Cultivated. Seed.
- PI 511406 donor id: Brazil 1095-AF. origin: Brazil. Cultivated. Seed.

PI 511391 to 511672-continued

PI 511407	donor id: Brazil 1096-AF. Seed.	origin: Brazil.	Cultivated.
PI 511408	donor id: Brazil 1097-AF. Seed.	origin: Brazil.	Cultivated.
PI 511409	donor id: Brazil 1098-AF. Seed.	origin: Brazil.	Cultivated.
PI 511410	donor id: Brazil 1099-AF. Seed.	origin: Brazil.	Cultivated.
PI 511411	donor id: Brazil 1100-AF. Seed.	origin: Brazil.	Cultivated.
PI 511412	donor id: Brazil 1101-AF. Seed.	origin: Brazil.	Cultivated.
PI 511413	donor id: Brazil 1102-AF. Seed.	origin: Brazil.	Cultivated.
PI 511414	donor id: Brazil 1103-AF. Seed.	origin: Brazil.	Cultivated.
PI 511415	donor id: Brazil 1104-AF. Seed.	origin: Brazil.	Cultivated.
PI 511416	donor id: Brazil 1105-AF. Seed.	origin: Brazil.	Cultivated.
PI 511417	donor id: Brazil 1106-AF. Seed.	origin: Brazil.	Cultivated.
PI 511418	donor id: Brazil 1107-AF. Seed.	origin: Brazil.	Cultivated.
PI 511419	donor id: Brazil 1108-AF. Seed.	origin: Brazil.	Cultivated.
PI 511420	donor id: Brazil 1109-AF. Seed.	origin: Brazil.	Cultivated.
PI 511421	donor id: Brazil 1110-AF. Seed.	origin: Brazil.	Cultivated.
PI 511422	donor id: Brazil 1111-AF. Seed.	origin: Brazil.	Cultivated.
PI 511423	donor id: Brazil 1112-AF. Seed.	origin: Brazil.	Cultivated.

PI 511391 to 511672-continued

PI 511424	donor id: Brazil 1113-AF. Seed.	origin: Brazil.	Cultivated.
PI 511425	donor id: Brazil 1114-AF. Seed.	origin: Brazil.	Cultivated.
PI 511426	donor id: Brazil 1115-AF. Seed.	origin: Brazil.	Cultivated.
PI 511427	donor id: Brazil 1116-AF. Seed.	origin: Brazil.	Cultivated.
PI 511428	donor id: Brazil 1117-AF. Seed.	origin: Brazil.	Cultivated.
PI 511429	donor id: Brazil 1118-AF. Seed.	origin: Brazil.	Cultivated.
PI 511430	donor id: Brazil 1119-AF. Seed.	origin: Brazil.	Cultivated.
PI 511431	donor id: Brazil 1120-AF. Seed.	origin: Brazil.	Cultivated.
PI 511432	donor id: Brazil 1121-AF. Seed.	origin: Brazil.	Cultivated.
PI 511433	donor id: Brazil 1122-AF. Seed.	origin: Brazil.	Cultivated.
PI 511434	donor id: Brazil 1123-AF. Seed.	origin: Brazil.	Cultivated.
PI 511435	donor id: Brazil 1124-AF. Seed.	origin: Brazil.	Cultivated.
PI 511436	donor id: Brazil 1125-AF. Seed.	origin: Brazil.	Cultivated.
PI 511437	donor id: Brazil 1126-AF. Seed.	origin: Brazil.	Cultivated.
PI 511438	donor id: Brazil 1127-AF. Seed.	origin: Brazil.	Cultivated.
PI 511439	donor id: Brazil 1128-AF. Seed.	origin: Brazil.	Cultivated.
PI 511440	donor id: Brazil 1129-AF. Seed.	origin: Brazil.	Cultivated.

PI 511391 to 511672-continued

PI 511441	donor id: Brazil 1130-AF. Seed.	origin: Brazil.	Cultivated.
PI 511442	donor id: Brazil 1131-AF. Seed.	origin: Brazil.	Cultivated.
PI 511443	donor id: Brazil 1132-AF. Seed.	origin: Brazil.	Cultivated.
PI 511444	donor id: Brazil 1133-AF. Seed.	origin: Brazil.	Cultivated.
PI 511445	donor id: Brazil 1134-AF. Seed.	origin: Brazil.	Cultivated.
PI 511446	donor id: Brazil 1135-AF. Seed.	origin: Brazil.	Cultivated.
PI 511447	donor id: Brazil 1136-AF. Seed.	origin: Brazil.	Cultivated.
PI 511448	donor id: Brazil 1137-AF. Seed.	origin: Brazil.	Cultivated.
PI 511449	donor id: Brazil 1138-AF. Seed.	origin: Brazil.	Cultivated.
PI 511450	donor id: Brazil 1139-AF. Seed.	origin: Brazil.	Cultivated.
PI 511451	donor id: Brazil 1140-AF. Seed.	origin: Brazil.	Cultivated.
PI 511452	donor id: Brazil 1141-AF. Seed.	origin: Brazil.	Cultivated.
PI 511453	donor id: Brazil 1142. Seed.	origin: Brazil.	Cultivated.
PI 511454	donor id: Brazil 1142-AF. Seed.	origin: Brazil.	Cultivated.
PI 511455	donor id: Brazil 1143-AF. Seed.	origin: Brazil.	Cultivated.
PI 511456	donor id: Brazil 1144-AF. Seed.	origin: Brazil.	Cultivated.
PI 511457	donor id: Brazil 1145-AF. Seed.	origin: Brazil.	Cultivated.

PI 511391 to 511672-continued

PI 511458	donor id: Brazil 1146-AF. Seed.	origin: Brazil.	Cultivated.
PI 511459	donor id: Brazil 1147-AF. Seed.	origin: Brazil.	Cultivated.
PI 511460	donor id: Brazil 1148-AF. Seed.	origin: Brazil.	Cultivated.
PI 511461	donor id: Brazil 1149-AF. Seed.	origin: Brazil.	Cultivated.
PI 511462	donor id: Brazil 1150-AF. Seed.	origin: Brazil.	Cultivated.
PI 511463	donor id: Brazil 1151-AF. Seed.	origin: Brazil.	Cultivated.
PI 511464	donor id: Brazil 1152-AF. Seed.	origin: Brazil.	Cultivated.
PI 511465	donor id: Brazil 1153-AF. Seed.	origin: Brazil.	Cultivated.
PI 511466	donor id: Brazil 1154-AF. Seed.	origin: Brazil.	Cultivated.
PI 511467	donor id: Brazil 1155-AF. Seed.	origin: Brazil.	Cultivated.
PI 511468	donor id: Brazil 1156-AF. Seed.	origin: Brazil.	Cultivated.
PI 511469	donor id: Brazil 1157-AF. Seed.	origin: Brazil.	Cultivated.
PI 511470	donor id: Brazil 1158-AF. Seed.	origin: Brazil.	Cultivated.
PI 511471	donor id: Brazil 1159-AF. Seed.	origin: Brazil.	Cultivated.
PI 511472	donor id: Brazil 1160-AF. Seed.	origin: Brazil.	Cultivated.
PI 511473	donor id: Brazil 1161-AF. Seed.	origin: Brazil.	Cultivated.
PI 511474	donor id: Brazil 1162-AF. Seed.	origin: Brazil.	Cultivated.

PI 511391 to 511672-continued

PI 511475	donor id: Brazil 1163-AF. Seed.	origin: Brazil.	Cultivated.
PI 511476	donor id: Brazil 1164-AF. Seed.	origin: Brazil.	Cultivated.
PI 511477	donor id: Brazil 1165-AF. Seed.	origin: Brazil.	Cultivated.
PI 511478	donor id: Brazil 1166-AF. Seed.	origin: Brazil.	Cultivated.
PI 511479	donor id: Brazil 1167-AF. Seed.	origin: Brazil.	Cultivated.
PI 511480	donor id: Brazil 1168-AF. Seed.	origin: Brazil.	Cultivated.
PI 511481	donor id: Brazil 1169-AF. Seed.	origin: Brazil.	Cultivated.
PI 511482	donor id: Brazil 1170-AF. Seed.	origin: Brazil.	Cultivated.
PI 511483	donor id: Brazil 1171-AF. Seed.	origin: Brazil.	Cultivated.
PI 511484	donor id: Brazil 1172-AF. Seed.	origin: Brazil.	Cultivated.
PI 511485	donor id: Brazil 1173-AF. Seed.	origin: Brazil.	Cultivated.
PI 511486	donor id: Brazil 1174-AF. Seed.	origin: Brazil.	Cultivated.
PI 511487	donor id: Brazil 1175-AF. Seed.	origin: Brazil.	Cultivated.
PI 511488	donor id: Brazil 1176. Seed.	origin: Brazil.	Cultivated.
PI 511489	donor id: Brazil 1176-AF. Seed.	origin: Brazil.	Cultivated.
PI 511490	donor id: Brazil 1177-AF. Seed.	origin: Brazil.	Cultivated.
PI 511491	donor id: Brazil 1178-AF. Seed.	origin: Brazil.	Cultivated.

PI 511391 to 511672-continued

PI 511492	donor id: Brazil 1179-AF. Seed.	origin: Brazil.	Cultivated.
PI 511493	donor id: Brazil 1180-AF. Seed.	origin: Brazil.	Cultivated.
PI 511494	donor id: Brazil 1181-AF. Seed.	origin: Brazil.	Cultivated.
PI 511495	donor id: Brazil 1182-AF. Seed.	origin: Brazil.	Cultivated.
PI 511496	donor id: Brazil 1183-AF. Seed.	origin: Brazil.	Cultivated.
PI 511497	donor id: Brazil 1184-AF. Seed.	origin: Brazil.	Cultivated.
PI 511498	donor id: Brazil 1185-AF. Seed.	origin: Brazil.	Cultivated.
PI 511499	donor id: Brazil 1186-AF. Seed.	origin: Brazil.	Cultivated.
PI 511500	donor id: Brazil 1187-AF. Seed.	origin: Brazil.	Cultivated.
PI 511501	donor id: Brazil 1188-AF. Seed.	origin: Brazil.	Cultivated.
PI 511502	donor id: Brazil 1189-AF. Seed.	origin: Brazil.	Cultivated.
PI 511503	donor id: Brazil 1190-AF. Seed.	origin: Brazil.	Cultivated.
PI 511504	donor id: Brazil 1191-AF. Seed.	origin: Brazil.	Cultivated.
PI 511505	donor id: Brazil 1192-AF. Seed.	origin: Brazil.	Cultivated.
PI 511506	donor id: Brazil 1193-AF. Seed.	origin: Brazil.	Cultivated.
PI 511507	donor id: Brazil 1194-AF. Seed.	origin: Brazil.	Cultivated.
PI 511508	donor id: Brazil 1195-AF. Seed.	origin: Brazil.	Cultivated.

PI 511391 to 511672-continued

PI 511509 donor id: Brazil 1196-AF. origin: Brazil. Cultivated.
Seed.

PI 511510 donor id: Brazil 1197. origin: Brazil. Cultivated.
Seed.

PI 511511 donor id: Brazil 1197-AF. origin: Brazil. Cultivated.
Seed.

PI 511512 donor id: Brazil 1198. origin: Brazil. Cultivated.
Seed.

PI 511513 donor id: Brazil 1198-AF. origin: Brazil. Cultivated.
Seed.

PI 511514 donor id: Brazil 1199-AF. origin: Brazil. Cultivated.
Seed.

PI 511515 donor id: Brazil 1200-AF. origin: Brazil. Cultivated.
Seed.

PI 511516 donor id: Brazil 1203. origin: Brazil. Cultivated.
Seed.

PI 511517 donor id: Brazil 1215. origin: Brazil. Cultivated.
Seed.

PI 511518 donor id: Brazil 1242. origin: Brazil. Cultivated.
Seed.

PI 511519 donor id: Brazil 1256. origin: Brazil. Cultivated.
Seed.

PI 511520 donor id: Brazil 1279. origin: Brazil. Cultivated.
Seed.

PI 511521 donor id: Brazil 1425. origin: Brazil. Cultivated.
Seed.

PI 511522 donor id: Brazil 1469. origin: Brazil. Cultivated.
Seed.

PI 511523 donor id: Brazil 1483. origin: Brazil. Cultivated.
Seed.

PI 511524 donor id: Brazil 1512. origin: Brazil. Cultivated.
Seed.

PI 511525 donor id: Brazil 1519. origin: Brazil. Cultivated.
Seed.

PI 511391 to 511672-continued

PI 511526 donor id: Brazil 1537. origin: Brazil. Cultivated.
Seed.

PI 511527 donor id: Brazil 1707. origin: Brazil. Cultivated.
Seed.

PI 511528 donor id: Brazil 2253. origin: Brazil. Cultivated.
Seed.

PI 511529 donor id: Brazil 2401. origin: Brazil. Cultivated.
Seed.

PI 511530 donor id: Brazil 2418. origin: Brazil. Cultivated.
Seed.

PI 511531 donor id: Brazil 2435. origin: Brazil. Cultivated.
Seed.

PI 511532 donor id: Brazil 2438. origin: Brazil. Cultivated.
Seed.

PI 511533 donor id: Brazil 2831. origin: Brazil. Cultivated.
Seed.

PI 511534 donor id: C. Rica GP1A. origin: Costa Rica. Cultivated.
Seed.

PI 511535 donor id: C. Rica GP7A. origin: Costa Rica. Cultivated.
Seed.

PI 511536 donor id: C. Rica GP7B. origin: Costa Rica. Cultivated.
Seed.

PI 511537 donor id: C. Rica GP8. origin: Costa Rica. Cultivated.
Seed.

PI 511538 donor id: C. Rica GP9. origin: Costa Rica. Cultivated.
Seed.

PI 511539 donor id: C. Rica Gpl4A. origin: Costa Rica.
Cultivated. Seed.

PI 511540 donor id: C. Rica Gpl4B. origin: Costa Rica.
Cultivated. Seed.

PI 511541 donor id: Caribe Salvadoreno. origin: El Salvador.
Cultivated. Seed.

PI 511542 donor id: China 22. origin: China, Peoples Repub of.
Cultivated. Seed.

PI 511391 to 511672-continued

- PI 511543 donor id: Colorado Manfredi. origin: Argentina.
Cultivated. Seed.
- PI 511544 donor id: Comp. Centroamerican 1. origin: UNKNOWN.
Cultivated. Seed.
- PI 511545 donor id: Comp. Centroamerican 2. origin: UNKNOWN.
Cultivated. Seed.
- PI 511546 donor id: Comp. Centramerican 4. origin: UNKNOWN.
Cultivated. Seed.
- PI 511547 donor id: Comp. Piracar. origin: UNKNOWN. Cultivated.
Seed.
- PI 511548 donor id: Cristal N P. origin: UNKNOWN. Cultivated.
Seed.
- PI 511549 donor id: Cuba 6. origin: Cuba. Cultivated. Seed.
- PI 511550 donor id: Cuba 14. origin: Cuba. Cultivated. Seed.
- PI 511551 donor id: Cuba 100. origin: Cuba. Cultivated. Seed.
- PI 511552 donor id: Cuba 104. origin: Cuba. Cultivated. Seed.
- PI 511553 donor id: Cuba 157. origin: Cuba. Cultivated. Seed.
- PI 511554 donor id: Dom. Republic 293. origin: Dominican Republic.
Cultivated. Seed.
- PI 511555 donor id: Dom. Republic GP3. origin: Dominican Republic.
Cultivated. Seed.
- PI 511556 donor id: Dom. Republic GP4. origin: Dominican Republic.
Cultivated. Seed.
- PI 511557 donor id: Dom. Republic GP8. origin: Dominican Republic.
Cultivated. Seed.
- PI 511558 donor id: Early Leaming 175. origin: United States.
Cultivated. Seed.
- PI 511559 donor id: El Salvador 44. origin: Dominican Republic.
Cultivated. Seed.
- PI 511560 donor id: Florida Synthetic. origin: United States.
Cultivated. Seed.
- PI 511561 donor id: French Guiana 788. origin: Guinea.
Cultivated. Seed.

PI 511391 to 511672-continued

- PI 511562 donor id: Golden Supreme 173. origin: United States. Cultivated. Seed.
- PI 511563 donor id: Hawaii 5. origin: United States. Cultivated. Seed.
- PI 511564 donor id: Honduras GP13A. origin: Honduras. Cultivated. Seed.
- PI 511565 donor id: Honduras GP14A. origin: Honduras. Cultivated. Seed.
- PI 511566 donor id: Illinois High Oil White. origin: United States. Cultivated. Seed.
- PI 511567 donor id: JSY. origin: UNKNOWN. Cultivated. Seed.
- PI 511568 donor id: Jalisco 68. origin: Mexico. Cultivated. Seed.
- PI 511569 donor id: Jalisco 171. origin: Mexico. Cultivated. Seed.
- PI 511570 donor id: Jalisco 260. origin: Mexico. Cultivated. Seed.
- PI 511571 donor id: Lady Finger 192. origin: United States. Cultivated. Seed.
- PI 511572 donor id: Michoacan 8. origin: Mexico. Cultivated. Seed.
- PI 511573 donor id: Michoacan 112. origin: Mexico. Cultivated. Seed.
- PI 511574 donor id: Michoacan 205. origin: Mexico. Cultivated. Seed.
- PI 511575 donor id: Morelos 14. origin: Mexico. Cultivated. Seed.
- PI 511576 donor id: Nayarit 49. origin: Mexico. historical origin: Colombia. Cultivated. Seed.
- PI 511577 donor id: Nepal 1310. origin: Nepal. Cultivated. Seed.
- PI 511578 donor id: Nepal 1701. origin: Nepal. Cultivated. Seed.
- PI 511579 donor id: Nepal 1719. origin: Nepal. Cultivated. Seed.
- PI 511580 donor id: Nepal 1901. origin: Nepal. Cultivated. Seed.

PI 511391 to 511672-continued

PI 511581	donor id: Nepal 2402.	origin: Nepal.	Cultivated.	Seed.
PI 511582	donor id: Nepal 2603.	origin: Nepal.	Cultivated.	Seed.
PI 511583	donor id: Nepal 2901.	origin: Nepal.	Cultivated.	Seed.
PI 511584	donor id: Nepal 2902.	origin: Nepal.	Cultivated.	Seed.
PI 511585	donor id: Nepal 2903.	origin: Nepal.	Cultivated.	Seed.
PI 511586	donor id: Nepal 3101.	origin: Nepal.	Cultivated.	Seed.
PI 511587	donor id: Nepal 3403.	origin: Nepal.	Cultivated.	Seed.
PI 511588	donor id: Nepal 3902B.	origin: Nepal.	Cultivated.	Seed.
PI 511589	donor id: Nepal 3903B.	origin: Nepal.	Cultivated.	Seed.
PI 511590	donor id: Nepal 3904B.	origin: Nepal.	Cultivated.	Seed.
PI 511591	donor id: Nepal 3905A.	origin: Nepal.	Cultivated.	Seed.
PI 511592	donor id: Nepal 3906.	origin: Nepal.	Cultivated.	Seed.
PI 511593	donor id: Nepal 3908.	origin: Nepal.	Cultivated.	Seed.
PI 511594	donor id: Nepal 4005.	origin: Nepal.	Cultivated.	Seed.
PI 511595	donor id: Nepal 4104.	origin: Nepal.	Cultivated.	Seed.
PI 511596	donor id: Nepal 4108.	origin: Nepal.	Cultivated.	Seed.
PI 511597	donor id: Nepal 4109.	origin: Nepal.	Cultivated.	Seed.
PI 511598	donor id: Nepal 4406.	origin: Nepal.	Cultivated.	Seed.
PI 511599	donor id: Nepal 4509.	origin: Nepal.	Cultivated.	Seed.
PI 511600	donor id: Nepal 5501.	origin: Nepal.	Cultivated.	Seed.
PI 511601	donor id: Nepal 5503.	origin: Nepal.	Cultivated.	Seed.
PI 511602	donor id: Nepal 5603.	origin: Nepal.	Cultivated.	Seed.
PI 511603	donor id: Nepal 6201.	origin: Nepal.	Cultivated.	Seed.
PI 511604	donor id: Nepal 6202.	origin: Nepal.	Cultivated.	Seed.

PI 511391 to 511672-continued

- PI 511605 donor id: Nepal 6401. origin: Nepal. Cultivated. Seed.
- PI 511606 donor id: Nepal 7102. origin: Nepal. Cultivated. Seed.
- PI 511607 donor id: Nepal 7505. origin: Nepal. Cultivated. Seed.
- PI 511608 donor id: Nicaragua 14. origin: Nicaragua. Cultivated. Seed.
- PI 511609 donor id: Nicaragua 52. origin: Nicaragua. Cultivated. Seed.
- PI 511610 donor id: Nicaragua 74. origin: Nicaragua. Cultivated. Seed.
- PI 511611 donor id: Nicaragua 108. origin: Nicaragua. Cultivated. Seed.
- PI 511612 donor id: Nicaragua 109. origin: Nicaragua. Cultivated. Seed.
- PI 511613 donor id: Nicaragua 115. origin: Nicaragua. Cultivated. Seed.
- PI 511614 donor id: Nicaragua GP66A. origin: Nicaragua. Cultivated. Seed.
- PI 511615 donor id: Nicaragua GP70A. origin: Nicaragua. Cultivated. Seed.
- PI 511616 donor id: Nicarillo. origin: UNKNOWN. Cultivated. Seed.
- PI 511617 donor id: O.P. Freestone 177. origin: United States. Cultivated. Seed.
- PI 511618 donor id: Oaxaca 134 MC 3. origin: Mexico. Cultivated. Seed.
- PI 511619 donor id: Panama GP82A. origin: Panama. Cultivated. Seed.
- PI 511620 donor id: Panama GP83A. origin: Panama. Cultivated. Seed.
- PI 511621 donor id: Panama GP84A. origin: Panama. Cultivated. Seed.
- PI 511622 donor id: Panama GP88A. origin: Panama. Cultivated. Seed.

PI 511391 to 511672-continued

- PI 511623 donor id: Paraguay 767. origin: Paraguay. Cultivated. Seed.
- PI 511624 donor id: Pepeno MC 1. origin: Mexico. Cultivated. Seed.
- PI 511625 donor id: Pepeno MC 3. origin: Mexico. Cultivated. Seed.
- PI 511626 donor id: Pepitilla MC 2. origin: Mexico. Cultivated. Seed.
- PI 511627 donor id: Pepoax MC 2. origin: Mexico. Cultivated. Seed.
- PI 511628 donor id: Puerto Rico GP6. origin: Puerto Rico. Cultivated. Seed.
- PI 511629 donor id: Selepa MC 1. origin: UNKNOWN. Cultivated. Seed.
- PI 511630 donor id: Tuxpeno Brachytic 2. origin: UNKNOWN. Cultivated. Seed.
- PI 511631 donor id: Tuxpeno Veracruzano. origin: UNKNOWN. Cultivated. Seed.
- PI 511632 donor id: U.S.A. 342. origin: United States. Cultivated. Seed.
- PI 511633 donor id: Uru 618. origin: Uruguay. Cultivated. Seed.
- PI 511634 donor id: Uru 629A. origin: Uruguay. Cultivated. Seed.
- PI 511635 donor id: Uru 633. origin: Uruguay. Cultivated. Seed.
- PI 511636 donor id: Uru 635A. origin: Uruguay. Cultivated. Seed.
- PI 511637 donor id: Uru 645A. origin: Uruguay. Cultivated. Seed.
- PI 511638 donor id: Uru 651. origin: Uruguay. Cultivated. Seed.
- PI 511639 donor id: Uru 685A. origin: Uruguay. Cultivated. Seed.
- PI 511640 donor id: Uru 735. origin: Uruguay. Cultivated. Seed.
- PI 511641 donor id: Uru 736. origin: Uruguay. Cultivated. Seed.
- PI 511642 donor id: Venezuela 1. origin: Venezuela. Cultivated. Seed.

PI 511391 to 511672-continued

PI 511643	donor id: Venezuela 306. Seed.	origin: Venezuela.	Cultivated.
PI 511644	donor id: Venezuela 314. Seed.	origin: Venezuela.	Cultivated.
PI 511645	donor id: Venezuela 316. Seed.	origin: Venezuela.	Cultivated.
PI 511646	donor id: Venezuela 319. Seed.	origin: Venezuela.	Cultivated.
PI 511647	donor id: Venezuela 320. Seed.	origin: Venezuela.	Cultivated.
PI 511648	donor id: Veracruz 102. Seed.	origin: Mexico.	Cultivated.
PI 511649	donor id: Veracruz 143. Seed.	origin: Mexico.	Cultivated.
PI 511650	donor id: Veracruz GP6. Seed.	origin: Mexico.	Cultivated.
PI 511651	donor id: Veracruz GP8. Seed.	origin: Mexico.	Cultivated.
PI 511652	donor id: Veracruz GP8A. Seed.	origin: Mexico.	Cultivated.
PI 511653	donor id: Veracruz GP9. Seed.	origin: Mexico.	Cultivated.
PI 511654	donor id: Veracruz GP19. Seed.	origin: Mexico.	Cultivated.
PI 511655	donor id: Veracruz GP20. Seed.	origin: Mexico.	Cultivated.
PI 511656	donor id: Veracruz GP22. Seed.	origin: Mexico.	Cultivated.
PI 511657	donor id: Veracruz GP23. Seed.	origin: Mexico.	Cultivated.
PI 511658	donor id: Veracruz GP24. Seed.	origin: Mexico.	Cultivated.
PI 511659	donor id: Veracruz GP25. Seed.	origin: Mexico.	Cultivated.

PI 511391 to 511672-continued

PI 511660 donor id: Veracruz GP26. origin: Mexico. Cultivated.
Seed.

PI 511661 donor id: Veracruz GP28. origin: Mexico. Cultivated.
Seed.

PI 511662 donor id: Veracruz GP30. origin: Mexico. Cultivated.
Seed.

PI 511663 donor id: Veracruz GP33. origin: Mexico. Cultivated.
Seed.

PI 511664 donor id: Veracruz GP34. origin: Mexico. Cultivated.
Seed.

PI 511665 donor id: Veracruz GP35. origin: Mexico. Cultivated.
Seed.

PI 511666 donor id: Veracruz GP36. origin: Mexico. Cultivated.
Seed.

PI 511667 donor id: Veracruz GP41. origin: Mexico. Cultivated.
Seed.

PI 511668 donor id: Veracruz GP47. origin: Mexico. Cultivated.
Seed.

PI 511669 donor id: Veracruz GP48. origin: Mexico. Cultivated.
Seed.

PI 511670 donor id: Yellow dent. origin: United States.
Cultivated. Seed.

PI 511671 donor id: Yellow dent. 179. origin: United States.
Cultivated. Seed.

PI 511672 donor id: Yellow dent. 185. origin: United States.
Cultivated. Seed.

PI 511673 to 511674. *Triticum aestivum* L. POACEAE Common wheat

Donated by: Allan, R.E., USDA-ARS, Washington State University, 209 Johnson Hall, Pullman, Washington, United States. **remarks:** Joint release by USDA-ARS and the Washington Agric. Exp. Sta., Pullman, Washington. Received September 03, 1987.

PI 511673 to 511674-continued

PI 511673 **donor id:** WA007163. **origin:** United States. **pedigree:** VPm1/Moisson951//2*Hill81. **remarks:** Plants semidwarf. Spikes awned, fusiform. Glumes white to tan. Kernels soft, white, large, ovate with midsize germ, mid-wide and mid-deep crease. **disease resistance:** Strawbreaker foot rot. Stripe, leaf, and stem rusts. Winter Annual. Breeding Material. Seed.

PI 511674 **donor id:** WA007166. **origin:** United States. **pedigree:** VPm1/Moisson421//2*Tyee. **remarks:** Plants semidwarf, club type. Spikes awnletted, compact, one-gene (Rht2). Glumes white. Straw white. Kernels white, short, soft, ovate with small germ. Crease mid-wide, shallow. **disease resistance:** Strawbreaker foot rot. Stripe, leaf, and stem rusts. Winter Annual. Breeding Material. Seed.

PI 511675 to 511678. *Triticum aestivum* L. POACEAE Wheat

Donated by: Baenziger, P.S., Department of Agronomy, University of Nebraska, Lincoln, Nebraska, United States. Received September 03, 1987.

PI 511675 **donor id:** NE82414. **origin:** United States. **pedigree:** NE74926(Tobari 66//2*(Wrr/MinnIII-54-12))//CO727082(Scout sel OK66V2621///(II 21183/2643//LCR/3/KS62136))/NE73624 (Gage/Lancer/Homestead). **remarks:** Hard red type. **disease resistance:** Stem rust. Some tolerance to Cephalosporium stripe. Winter Annual. Breeding Material. Seed.

PI 511676 **donor id:** NE78488. **origin:** United States. **pedigree:** Wrr*5/Agent//Aurora/3/Ctk 78. **remarks:** Hard red type. Does not have 1B/1R translocation. **disease resistance:** Stem rust. Some tolerance to leaf rust. Winter Annual. Breeding Material. Seed.

PI 511677 **donor id:** NE82652. **origin:** United States. **pedigree:** Brule//Sentinel/Centurk. **remarks:** Hard red type. **disease resistance:** Stem rust. Some tolerance to leaf rust. Winter Annual. Breeding Material. Seed.

PI 511678 **donor id:** NE82658. **origin:** United States. **pedigree:** Brule/3/Parker*4/Agent//Beloterkovskaia 198/Lancer. **remarks:** Hard red type. **disease resistance:** Stem rust. Some tolerance to leaf rust and Cephalosporium stripe. **insect resistance:** Marquillo resistance to Hessian fly. Winter Annual. Breeding Material. Seed.

PI 511679 to 511712. *Amaranthus caudatus* L. AMARANTHACEAE

Donated by: Hauptli, H., Department of Agronomy and Range Science, University of California, Davis, California, United States.
Received October 1984.

- PI 511679 donor id: 4. origin: Argentina. local name: Quinoa.
collected: May 20, 1979. collector: H. Hauptli.
collector id: 4. locality: Family farm, 2km E of Corralitos, on road from San Carlos to Corralitos which traverses Rio Salado. elevation: 200m. remarks: Used as grain. received as: *A. edulis*. Cultivated. Seed.
- PI 511680 donor id: 5. origin: Argentina. local name: Quinoa.
collected: May 20, 1979. collector: H. Hauptli.
collector id: 5. locality: Cliffs, above east side of Rio Salado, 3km from river opposite San Carlos. elevation: 200m. remarks: Used as grain. Single plant. received as: *A. edulis*. Cultivated. Seed.
- PI 511681 donor id: 8. origin: Bolivia. local name: Coimi.
collected: June 08, 1979. collector: H. Hauptli.
collector id: 8. locality: Family farm, 1 km S of San Lorenzo. elevation: 3000m. remarks: Used as grain, stalks as animal forage. Cultivated. Seed.
- PI 511682 donor id: 11. origin: Bolivia. local name: Milmi.
collected: June 10, 1979. collector: H. Hauptli.
collector id: 11. locality: Municipal market, Sacaba. elevation: 3000m. remarks: Used as grain for human and bird consumption. Cultivated. Seed.
- PI 511683 donor id: 12. origin: Peru. collected: June 12, 1979.
collector: H. Hauptli. collector id: 12. locality: Grounds of Kayra Experiment Station, University of Cuzco, 8km SE of Cuzco. Originally collected in Ayacucho. elevation: 3300m. remarks: Used as grain. Cultivated. Seed.
- PI 511684 donor id: 15. origin: Peru. local name: Quihuicha.
collected: June 12, 1979. collector: H. Hauptli.
collector id: 15. locality: Family farm, NW of San Jeronimo, 11km SE of Cuzco. elevation: 3300m. remarks: Used as grain. Cultivated. Seed.
- PI 511685 donor id: 19. origin: Peru. local name: Achita.
collected: June 19, 1979. collector: H. Hauptli.
collector id: 19. locality: Municipal market, Ayacucho. elevation: 2700m. remarks: Used as grain. Cultivated. Seed.

PI 511679 to 511712-continued

- PI 511686 donor id: 20. origin: Peru. local name: Achita.
collected: June 20, 1979. collector: H. Hauptli.
collector id: 20. locality: Small family garden, along
Quebrada Yanacaca, near Avenida Centenario, Ayacucho.
elevation: 2700m. remarks: Used as grain. Cultivated.
Seed.
- PI 511687 donor id: 21. origin: Peru. local name: Achita.
collected: June 20, 1979. collector: H. Hauptli.
collector id: 21. locality: Market, Mayorista, Huancayo.
elevation: 3200m. remarks: Used as grain. Cultivated.
Seed.
- PI 511688 donor id: 22. origin: Peru. local name: Achita.
collected: June 20, 1979. collector: H. Hauptli.
collector id: 22. locality: Market, Mayorista, Huancayo.
elevation: 3250m. remarks: Used as grain. Cultivated.
Seed.
- PI 511689 donor id: 23. origin: Peru. local name: Achita.
collected: June 22, 1979. collector: H. Hauptli.
collector id: 23. locality: La Mejorada, also known as
Manuel Caceres. elevation: 3650m. remarks: Bought from
family in town, grown on farm outside town. Used as
grain. Cultivated. Seed.
- PI 511690 donor id: 24. origin: Peru. local name: Achita.
collected: June 22, 1979. collector: H. Hauptli.
collector id: 24. locality: La Mejorada, also known as
Manuel Caceres. elevation: 3650m. remarks: Bought from
family in town, grown on farm outside town. Used as
grain. Cultivated. Seed.
- PI 511691 donor id: 25. origin: Peru. local name: Achita.
collected: June 22, 1979. collector: H. Hauptli.
collector id: 25. locality: Manuel Telleria. elevation:
3650m. remarks: Bought from vendor in town, grown on
farm outside town. Used as grain. Cultivated. Seed.
- PI 511692 donor id: 28. origin: Peru. local name: Achita.
collected: June 23, 1979. collector: H. Hauptli.
collector id: 28. locality: Ayacucho. elevation: 2700m.
remarks: Collected by O. Briceno, Universidad Agraria, La
Molina. Used as grain. Cultivated. Seed.
- PI 511693 donor id: 31. origin: Peru. local name: Achis.
collected: June 24, 1979. collector: H. Hauptli.
collector id: 31. locality: Municipal market, Huaraz.
elevation: 3100m. remarks: Used as grain. Cultivated.
Seed.

PI 511679 to 511712-continued

- PI 511694 donor id: 32. origin: Peru. local name: Achis.
collected: June 24, 1979. collector: H. Hauptli.
collector id: 32. locality: Family farm, 5km S of
Huaraz. elevation: 3100m. remarks: Used as grain.
Cultivated. Seed.
- PI 511695 donor id: 34. origin: Peru. local name: Achis.
collected: June 24, 1979. collector: H. Hauptli.
collector id: 34. locality: Family farm, 3km S of
Huaraz. elevation: 3100m. remarks: Used as grain.
Cultivated. Seed.
- PI 511696 donor id: 35. origin: Peru. local name: Achis.
collected: June 24, 1979. collector: H. Hauptli.
collector id: 35. locality: Family farm, 3km S of
Huaraz. elevation: 3100m. remarks: Used as grain.
Cultivated. Seed.
- PI 511697 donor id: 36. origin: Peru. local name: Achis.
collected: June 24, 1979. collector: H. Hauptli.
collector id: 36. locality: Family farm, hills, eastern
edge of Huaraz. elevation: 3100m. remarks: Used as
grain. Cultivated. Seed.
- PI 511698 donor id: 37. origin: Peru. local name: Achis.
collected: June 25, 1979. collector: H. Hauptli.
collector id: 37. locality: Family farm, Carhuaz.
elevation: 2650m. remarks: Used as grain. Cultivated.
Seed.
- PI 511699 donor id: 38. origin: Peru. local name: Achis; jonjoli.
collected: June 25, 1979. collector: H. Hauptli.
collector id: 38. locality: Municipal market, Yungay.
elevation: 2500m. remarks: Used as grain. Cultivated.
Seed.
- PI 511700 donor id: 39. origin: Peru. local name: Achis; jonjoli.
collected: June 26, 1979. collector: H. Hauptli.
collector id: 39. locality: Municipal market, Caras.
elevation: 2300m. remarks: Used as grain. Cultivated.
Seed.
- PI 511701 donor id: 40. origin: Peru. local name: Achis, jonjoli.
collected: June 26, 1979. collector: H. Hauptli.
collector id: 40. locality: Municipal market, Yungay.
elevation: 2500m. remarks: Used as grain. Cultivated.
Seed.

PI 511679 to 511712-continued

- PI 511702 donor id: 41. origin: Peru. local name: Achis, jonjoli.
collected: June 25, 1979. collector: H. Hauptli.
collector id: 41. locality: Family farm, southern edge
of Caras. elevation: 2300m. remarks: Used as grain.
Cultivated. Seed.
- PI 511703 donor id: 44. origin: Peru. local name: Coyo.
collected: June 28, 1979. collector: H. Hauptli.
collector id: 44. locality: Family farm in La Esperanza,
11km S of Cajamarca. elevation: 2750m. remarks: Used as
grain. Cultivated. Seed.
- PI 511704 donor id: 45. origin: Peru. local name: Coyo.
collected: June 28, 1979. collector: H. Hauptli.
collector id: 45. locality: Municipal market, Cajamarca.
elevation: 2750m. remarks: Grown in hills above city.
Used as grain. Cultivated. Seed.
- PI 511705 donor id: 46. origin: Peru. local name: Coyo.
collected: June 28, 1979. collector: H. Hauptli.
collector id: 46. locality: Municipal market, Cajamarca.
Originally grown at Banos del Inca, 10km S of Cajamarca.
elevation: 2750m. remarks: Used as grain. Cultivated.
Seed.
- PI 511706 donor id: 49. origin: Peru. local name: Coyo.
collected: June 28, 1979. collector: H. Hauptli.
collector id: 49. locality: Market Mayorista (aka San
Sebastian) Cajamarca. elevation: 2750m. remarks: Used
as grain. Cultivated. Seed.
- PI 511707 donor id: 50. origin: Bolivia. local name: Coimi.
collected: June 30, 1979. collector: H. Hauptli.
collector id: 50. locality: Municipal market, Sucre.
elevation: 2750m. remarks: Used as grain. Cultivated.
Seed.
- PI 511708 donor id: 51. origin: Bolivia. local name: Coimi.
collected: June 30, 1979. collector: H. Hauptli.
collector id: 51. locality: Municipal market, Sucre.
elevation: 2750m. remarks: Used as grain. Cultivated.
Seed.
- PI 511709 donor id: 54. origin: Bolivia. local name: Coimi.
collected: June 30, 1979. collector: H. Hauptli.
collector id: 54. locality: Bought from family in
Tarabuco, grown in valleys below. elevation: 3000m.
remarks: Used as grain. Cultivated. Seed.

PI 511679 to 511712-continued

PI 511710 donor id: 66. origin: Ecuador. local name: Quinoa dulce. collected: July 12, 1979. collector: H. Hauptli. collector id: 66. locality: Family garden, Caruncay, S of Cuenca. elevation: 3250m. remarks: Used as grain. Cultivated. Seed.

PI 511711 donor id: 77. origin: Ecuador. local name: Quinoa de Castilla. collected: July 31, 1979. collector: H. Hauptli. collector id: 77. locality: Family farm, east side of Guayllabamba. elevation: 2250m. Cultivated. Seed.

PI 511712 donor id: 80. origin: Ecuador. collected: July 31, 1979. collector: H. Hauptli. collector id: 80. locality: Roadside, west side of Guayllabamba. elevation: 2250m. remarks: Weedy. Wild. Seed.

PI 511713 to 511732. *Amaranthus cruentus* L. AMARANTHACEAE

Donated by: Hauptli, H., Department of Agronomy and Range Science, University of California, Davis, California, United States. Received October 1984.

PI 511713 donor id: 26. origin: Peru. collected: June 16, 1979. collector: H. Hauptli. collector id: 26. locality: Street divides strip, Javier Prado Oeste between cross streets Clemente X and Ugarte y Moscoso, district Magdalena del Mar, Lima. elevation: 20m. remarks: Used as ornamental. Cultivated. Seed.

PI 511714 donor id: 27. origin: Peru. collected: June 16, 1979. collector: H. Hauptli. collector id: 27. locality: Apartment complex, corner Marconi and Cadiz streets, district Lince, Lima. elevation: 20m. remarks: Used as ornamental. Cultivated. Seed.

PI 511715 donor id: 83. origin: Guatemala. local name: Tses, bledo. collected: August 08, 1979. collector: H. Hauptli. collector id: 83. locality: Family garden, east end of San Pedro Carcha, N of Coban. elevation: 1500m. remarks: Used as vegetable and grain. Cultivated. Seed.

PI 511716 donor id: 84. origin: Guatemala. local name: Alegria, chang. collected: August 10, 1979. collector: H. Hauptli. collector id: 84. locality: Family farm at Cruz Nueva, 4km E of San Martin Jilotepegue. elevation: 2000m. remarks: Used as grain and vegetable. Cultivated. Seed.

PI 511713 to 511732-continued

- PI 511717 donor id: 85. origin: Guatemala. local name: Alegria, chang. collected: August 10, 1979. collector: H. Hauptli. collector id: 85. locality: Family farm in Aldea San Miguel, 6km NE of San Martin Jilotepeque. elevation: 2000m. remarks: Used as grain and vegetable. Cultivated. Seed.
- PI 511718 donor id: 86. origin: Guatemala. local name: Chang, alegria, bledo. collected: August 10, 1979. collector: H. Hauptli. collector id: 86. locality: Above the Oratorio, Aldea Choatalum, 7km NE of San Martin Jilotepeque. elevation: 2000m. remarks: Used as vegetable and grain. Cultivated. Seed.
- PI 511719 donor id: 87. origin: Guatemala. local name: Niqua, alegria, chang. collected: August 10, 1979. collector: H. Hauptli. collector id: 87. locality: Above the Oratorio, Aldea Choatalum, 7km NE of San Martin Jilotepeque. elevation: 2000m. remarks: Used as grain. Cultivated. Seed.
- PI 511720 donor id: 91. origin: Guatemala. collected: August 15, 1979. collector: H. Hauptli. collector id: 91. locality: Downtown Guatemala City. elevation: 1500m. remarks: Used as ornamental. Cultivated. Seed.
- PI 511721 donor id: 93. origin: Mexico. local name: Alegria. collected: August 20, 1979. collector: H. Hauptli. collector id: 93. locality: Grain store, 20th of November Street, between Zaragoza and J. Mina/Arteaga, Oaxaca. elevation: 1550m. remarks: Used as grain. Cultivated. Seed.
- PI 511722 donor id: 94. origin: Mexico. local name: Alegria. collected: August 20, 1979. collector: H. Hauptli. collector id: 94. locality: Grain store, #613 20th of November Street, between Zaragoza and J. Mina/Arteaga, Oaxaca. elevation: 1550m. remarks: Used as grain. Cultivated. Seed.
- PI 511723 donor id: 95. origin: Mexico. local name: Alegria. collected: August 21, 1979. collector: H. Hauptli. collector id: 95. locality: General store, Zimatlan, S of Oaxaca. elevation: 1550m. remarks: Used as grain. Cultivated. Seed.
- PI 511724 donor id: 96. origin: Mexico. local name: Bledo. collected: August 23, 1979. collector: H. Hauptli. collector id: 96. locality: Family garden, Ojitlan, E of Tuxtepec. elevation: 1450m. remarks: Used as vegetable. Cultivated. Seed.

PI 511713 to 511732-continued

- PI 511725 donor id: 98. origin: Mexico. local name: Alegria. collected: August 24, 1979. collector: H. Hauptli. collector id: 98. locality: Seed store, La Fortaleza, Tehuacan. elevation: 1050m. remarks: Used as grain. Cultivated. Seed.
- PI 511726 donor id: 99. origin: Mexico. local name: Alegria. collected: August 24, 1979. collector: H. Hauptli. collector id: 99. locality: Seed store, Abarrotes El Mar, Cordoba. elevation: 1050m. remarks: Used as grain. Cultivated. Seed.
- PI 511727 donor id: 100. origin: Mexico. local name: Alegria. collected: August 24, 1979. collector: H. Hauptli. collector id: 100. locality: Seed store, Dulceria La Abeja, Cordoba. elevation: 1050m. remarks: Used as grain. Cultivated. Seed.
- PI 511728 donor id: 101. origin: Mexico. local name: Alegria. collected: August 25, 1979. collector: H. Hauptli. collector id: 101. locality: General store on the Zocalo, Zaachila. elevation: 1550m. remarks: Used as grain. Cultivated. Seed.
- PI 511729 donor id: 102. origin: Mexico. local name: Alegria. collected: August 26, 1979. collector: H. Hauptli. collector id: 102. locality: Seed vendor, bus terminal, Central Camionera, Oaxaca. elevation: 1550m. remarks: Used as grain. Cultivated. Seed.
- PI 511730 donor id: 103. origin: Mexico. local name: Alegria. collected: August 26, 1979. collector: H. Hauptli. collector id: 103. locality: Seed vendor, new market, Oaxaca. elevation: 1550m. remarks: Used as grain. Cultivated. Seed.
- PI 511731 donor id: 104. origin: Mexico. local name: Alegria. collected: August 30, 1979. collector: H. Hauptli. collector id: 104. locality: Municipal market, San Martin Texmelucan. elevation: 2200m. remarks: Used as grain. Cultivated. Seed.
- PI 511732 donor id: 106. origin: Guatemala. local name: Tses. collected: August 08, 1979. collector: H. Hauptli. collector id: 106. locality: Municipal market, Coban. elevation: 1300m. remarks: Used as vegetable. Cultivated. Seed.

PI 511733 to 511750. *Amaranthus quitensis* Kunth AMARANTHACEAE

Donated by: Hauptli, H., Department of Agronomy and Range Science, University of California, Davis, California, United States.
Received October 1984.

- PI 511733 donor id: 48. origin: Peru. local name: Color quewah. collected: June 28, 1979. collector: H. Hauptli. collector id: 48. locality: Yard of Complejo Recoleta church, Cajamarca. elevation: 2750m. remarks: Used for food and as drink colorant. Cultivated. Seed.
- PI 511734 donor id: 52. origin: Bolivia. local name: Coimi. collected: June 30, 1979. collector: H. Hauptli. collector id: 52. locality: Street vendor near municipal market, Sucre. elevation: 2750m. remarks: Used in magic. Cultivated. Seed.
- PI 511735 donor id: 53. origin: Bolivia. local name: Coimi. collected: July 01, 1979. collector: H. Hauptli. collector id: 53. locality: Street herb vendor, Tarabuco. elevation: 2750m. remarks: Used in magic. Cultivated. Seed.
- PI 511736 donor id: 55. origin: Bolivia. local name: Coimi. collected: July 01, 1979. collector: H. Hauptli. collector id: 55. locality: Street herb vendor, Tarabuco. elevation: 2750m. remarks: Used in magic. Cultivated. Seed.
- PI 511737 donor id: 56. origin: Ecuador. local name: Sangorache, ataco. collected: July 10, 1979. collector: H. Hauptli. collector id: 56. locality: Municipal market, Gualaceo. elevation: 2750m. remarks: Used as food and drink colorant. Cultivated. Seed.
- PI 511738 donor id: 62. origin: Ecuador. local name: Sangorache, ataco. collected: July 10, 1979. collector: H. Hauptli. collector id: 62. locality: Family farm, NE edge of Cuenca. elevation: 3250m. remarks: Used as food and drink colorant. Cultivated. Seed.
- PI 511739 donor id: 63. origin: Ecuador. local name: Ataco, sangorache. collected: July 10, 1979. collector: H. Hauptli. collector id: 63. locality: Family farm, 2km W of El Tambo. elevation: 3000m. remarks: Used medicinally. Cultivated. Seed.
- PI 511740 donor id: 64. origin: Ecuador. local name: Ataco. collected: July 15, 1979. collector: H. Hauptli. collector id: 64. locality: Family garden, Giron. elevation: 2250m. remarks: Used medicinally. Cultivated. Seed.

PI 511733 to 511750-continued

- PI 511741 donor id: 67. origin: Ecuador. local name: Sangorache, jataco. collected: July 15, 1979. collector: H. Hauptli. collector id: 67. locality: Municipal market, Alausi. elevation: 2500m. remarks: Used as food and drink colorant. Cultivated. Seed.
- PI 511742 donor id: 68. origin: Ecuador. local name: Sangorache. collected: July 20, 1979. collector: H. Hauptli. collector id: 68. locality: Western edge of Huigra. elevation: 1400m. remarks: Used as food and drink colorant. Cultivated. Seed.
- PI 511743 donor id: 69. origin: Ecuador. local name: Sangorache. collected: July 25, 1979. collector: H. Hauptli. collector id: 69. locality: Municipal market, Ambato. elevation: 2750m. remarks: Used medicinally. Cultivated. Seed.
- PI 511744 donor id: 70. origin: Ecuador. local name: Sangorache. collected: July 25, 1979. collector: H. Hauptli. collector id: 70. locality: Municipal market, Ambato. elevation: 2750m. remarks: Used as food and drink colorant and medicinally. Cultivated. Seed.
- PI 511745 donor id: 71. origin: Ecuador. local name: Sangorache. collected: July 25, 1979. collector: H. Hauptli. collector id: 71. locality: Municipal market, Riobamba. elevation: 2750m. remarks: Used medicinally. Cultivated. Seed.
- PI 511746 donor id: 72. origin: Ecuador. local name: Sangorache. collected: July 25, 1979. collector: H. Hauptli. collector id: 72. locality: Municipal market, Ambato. elevation: 2750m. remarks: Used medicinally. Cultivated. Seed.
- PI 511747 donor id: 73. origin: Ecuador. local name: Sangorache. collected: July 25, 1979. collector: H. Hauptli. collector id: 73. locality: Family farm, Panamerican highway, San Andres, 7-8km S of Riobamba. elevation: 2750m. remarks: Used medicinally. Cultivated. Seed.
- PI 511748 donor id: 76. origin: Ecuador. local name: Ataco. collected: July 30, 1979. collector: H. Hauptli. collector id: 76. locality: Municipal market, Otavalo. elevation: 2750m. remarks: Used medicinally. Cultivated. Seed.

PI 511733 to 511750-continued

PI 511749 donor id: 78. origin: Ecuador. local name: Ataco.
collected: July 30, 1979. collector: H. Hauptli.
collector id: 78. locality: Family farm, W edge of
Tabacundo. elevation: 2750m. remarks: Used medicinally.
Cultivated. Seed.

PI 511750 donor id: 79. origin: Ecuador. local name: Ataco,
quinoa de castilla. collected: July 30, 1979.
collector: H. Hauptli. collector id: 79. locality:
Family farm, W edge of Tabacundo. elevation: 2750m.
remarks: Used medicinally. Cultivated. Seed.

PI 511751 to 511754. *Amaranthus* sp. AMARANTHACEAE

Donated by: Hauptli, H., Department of Agronomy and Range Science,
University of California, Davis, California, United States.
Received October 1984.

PI 511751 donor id: 29. origin: Peru. local name: Yuyu colorado.
collected: June 23, 1979. collector: H. Hauptli.
collector id: 29. locality: Tacna, originally from Rio
Caplino area. remarks: Originally collected by C. H.
Fuertes, 12/77. Used as vegetable. Cultivated. Seed.

PI 511752 donor id: 30. origin: Peru. local name: Yuyu blanco.
collected: June 23, 1979. collector: H. Hauptli.
collector id: 30. locality: Tacna, originally from Rio
Caplino area. remarks: Originally collected by C. H.
Fuertes, 12/77. Used as vegetable. Cultivated. Seed.

PI 511753 donor id: 33. origin: Peru. collected: June 24, 1979.
collector: H. Hauptli. collector id: 33. locality:
Family farm, 4km S of Huaraz. elevation: 3100m.
Cultivated. Seed.

PI 511754 donor id: 74. origin: Ecuador. local name: Sangorache.
collected: July 30, 1979. collector: H. Hauptli.
collector id: 74. locality: Weed population around
cornfields and waste areas, Guaranda. elevation: 2900m.
Wild. Seed.

PI 511755 to 511759. *Chenopodium quinoa* Willd. CHENOPODIACEAE Quinoa

Donated by: Hauptli, H., Department of Agronomy and Range Science,
University of California, Davis, California, United States.
Received October 1984.

PI 511755 donor id: 110. origin: Argentina. collected: May 1979.
collector: H. Hauptli. collector id: 110. locality:
Market, Salta. Cultivated. Seed.

PI 511755 to 511759-continued

- PI 511756 donor id: 111. origin: Peru. collected: June 1979.
collector: H. Hauptli. collector id: 111. locality:
Market, Huaraz. Cultivated. Seed.
- PI 511757 donor id: 112. origin: Ecuador. collected: July 1979.
collector: H. Hauptli. collector id: 112. locality:
Market, El Tambo. Cultivated. Seed.
- PI 511758 donor id: 113. origin: Peru. collected: June 1979.
collector: H. Hauptli. collector id: 113. locality:
Market, Huaraz. Cultivated. Seed.
- PI 511759 donor id: 115. origin: Mexico. collected: September
1979. collector: H. Hauptli. collector id: 115.
locality: Market, La Cumbre, Oaxaca. Cultivated. Seed.

PI 511760. *Helianthus annuus* L. ASTERACEAE Sunflower

Donated by: Hauptli, H., Department of Agronomy and Range Science,
University of California, Davis, California, United States.
Received October 1984.

donor id: 116. origin: Peru. collected: June 1979.
collector: H. Hauptli. collector id: 116. locality:
Market, San Jeronimo. Cultivated. Seed.

PI 511761. *Hordeum vulgare* L. POACEAE Barley

Donated by: Hauptli, H., Department of Agronomy and Range Science,
University of California, Davis, California, United States.
Received October 1984.

donor id: 114. origin: Peru. collected: June 1979.
collector: H. Hauptli. collector id: 114. locality:
Market, Huaraz. Cultivated. Seed.

PI 511762. *Lupinus mutabilis* Sweet FABACEAE

Donated by: Hauptli, H., Department of Agronomy and Range Science,
University of California, Davis, California, United States.
Received October 1984.

donor id: 123. origin: Ecuador. local name: Tarwi.
collected: July 1979. collector: H. Hauptli. collector
id: 123. locality: Market, Gualaceo. Cultivated. Seed.

PI 511763 to 511769. *Phaseolus vulgaris* L. FABACEAE Garden bean

Donated by: Hauptli, H., Department of Agronomy and Range Science,
University of California, Davis, California, United States.
Received October 1984.

PI 511763 **origin:** Peru. **collected:** 1979. **collector:** H. Hauptli.
remarks: Seeds highly variable in size, shape, and color.
Cultivated. Seed.

PI 511764 **donor id:** 117. **origin:** Guatemala. **collected:** August
1979. **collector:** H. Hauptli. **collector id:** 117.
locality: Market, San Martin Jilotepeque. **remarks:** Seeds
damaged by insects. Cultivated. Seed.

PI 511765 **donor id:** 118. **origin:** Guatemala. **collected:** August
1979. **collector:** H. Hauptli. **collector id:** 118.
locality: Market, San Martin Jilotepeque. **remarks:** Seeds
extensively damaged by insects. Cultivated. Seed.

PI 511766 **donor id:** 119. **origin:** Guatemala. **collected:** August
1979. **collector:** H. Hauptli. **collector id:** 119.
locality: Market, San Martin Jilotepeque. Cultivated.
Seed.

PI 511767 **donor id:** 120. **origin:** Peru. **collected:** June 1979.
collector: H. Hauptli. **collector id:** 120. **locality:**
Market, Cuzco. Cultivated. Seed.

PI 511768 **donor id:** 121. **origin:** Bolivia. **collected:** June 1979.
collector: H. Hauptli. **collector id:** 121. **locality:**
Market, Sucre. Cultivated. Seed.

PI 511769 **donor id:** 122. **origin:** Peru. **collected:** June 1979.
collector: H. Hauptli. **collector id:** 122. **locality:**
Cuzco. Cultivated. Seed.

PI 511770. *Pisum sativum* L. FABACEAE Garden pea

Donated by: Hauptli, H., Department of Agronomy and Range Science,
University of California, Davis, California, United States.
Received October 1984.

donor id: 124. **origin:** Peru. **local name:** Alverge.
collected: June 1979. **collector:** H. Hauptli. **collector**
id: 124. **locality:** Market, Caras. Cultivated. Seed.

PI 511771 to 511784. *Zea mays* L. POACEAE Corn

Donated by: Hauptli, H., Department of Agronomy and Range Science,
University of California, Davis, California, United States.
Received October 1984.

PI 511771 to 511784-continued

- PI 511771 donor id: 13. origin: Peru. collected: 1979.
collector: H. Hauptli. remarks: Mixture of diverse
types. Cultivated. Seed.
- PI 511772 donor id: 126. origin: Peru. collected: June 1979.
collector: H. Hauptli. collector id: 126. locality:
Market, Cuzco. Cultivated. Seed.
- PI 511773 donor id: 127. origin: Peru. collected: June 1979.
collector: H. Hauptli. collector id: 127. locality:
Market, Cuzco. Cultivated. Seed.
- PI 511774 donor id: 128. origin: Peru. collected: June 1979.
collector: H. Hauptli. collector id: 128. locality:
Market, Cuzco. Cultivated. Seed.
- PI 511775 donor id: 129. origin: Peru. collected: June 1979.
collector: H. Hauptli. collector id: 129. locality:
Market, Cuzco. Cultivated. Seed.
- PI 511776 donor id: 130. origin: Peru. collected: June 1979.
collector: H. Hauptli. collector id: 130. locality:
Market, Cuzco. Cultivated. Seed.
- PI 511777 donor id: 131. origin: Peru. collected: June 1979.
collector: H. Hauptli. collector id: 131. locality:
Market, San Jeronimo. Cultivated. Seed.
- PI 511778 donor id: 132. origin: Peru. collected: June 1979.
collector: H. Hauptli. collector id: 132. locality:
Market, San Jeronimo. Cultivated. Seed.
- PI 511779 donor id: 133. origin: Peru. collected: June 1979.
collector: H. Hauptli. collector id: 133. locality:
Market, San Jeronimo. Cultivated. Seed.
- PI 511780 donor id: 134A. origin: Peru. collected: June 1979.
collector: H. Hauptli. collector id: 134A. locality:
Family farm, San Jeronimo. remarks: Kernels long and
slender, mostly speckled white and blue. Cultivated.
Seed.
- PI 511781 donor id: 134B. origin: Peru. collected: June 1979.
collector: H. Hauptli. collector id: 134B. locality:
Family farm, San Jeronimo. remarks: Kernels somewhat
elongated, red and yellow striped, few light yellow.
Cultivated. Seed.
- PI 511782 donor id: 135. origin: Peru. collected: June 1979.
collector: H. Hauptli. collector id: 135. locality:
Market, San Jeronimo. Cultivated. Seed.

PI 511771 to 511784-continued

PI 511783 **donor id:** 136. **origin:** Peru. **collected:** June 1979.
collector: H. Hauptli. **collector id:** 136. **locality:**
Market, Cuzco. Cultivated. Seed.

PI 511784 **donor id:** 137. **origin:** Peru. **collected:** June 1979.
collector: H. Hauptli. **collector id:** 137. **locality:**
Market, Cuzco. Cultivated. Seed.

PI 511785 to 511803. *Sorghum bicolor* (L.) Moench POACEAE Sorghum

Donated by: Atkins, R.E., Department of Agronomy, Iowa State
University, Ames, Iowa, United States. Received September 18, 1987.

PI 511785 **donor id:** IA40. **origin:** United States. **pedigree:**
CK60/IS3464c Sel. **other id:** PL-170. **group:** CSR-SORGHUM.
other id: 86A1243. **remarks:** Plants medium height.
Panicles medium compact. Glumes mahogany. Awnless. Seeds
dark red. Testa absent. Maturity late. Breeding
Material. Seed.

PI 511786 **donor id:** IA41. **origin:** United States. **pedigree:**
CK60/IS3464c Sel. **other id:** PL-171. **group:** CSR-SORGHUM.
other id: 86A1244. **remarks:** Plants medium short.
Panicles medium compact. Glumes mahogany. Awnless. Seeds
dark red. Testa absent. Maturity medium. Breeding
Material. Seed.

PI 511787 **donor id:** IA42. **origin:** United States. **pedigree:**
Wheatland/IS3464c Sel. **other id:** PL-172. **group:**
CSR-SORGHUM. **other id:** 86A1246. **remarks:** Plants medium
short. Panicles medium compact. Glumes mahogany.
Awnless. Seeds dark red. Testa absent. Maturity medium.
Breeding Material. Seed.

PI 511788 **donor id:** IA43. **origin:** United States. **pedigree:**
KS56/NB9040. **other id:** PL-173. **group:** CSR-SORGHUM.
other id: 86A1252. **remarks:** Plants medium height.
Panicles medium open. Glumes straw color. Awned. Seeds
white. Testa absent. Maturity medium. Breeding Material.
Seed.

PI 511789 **donor id:** IA44. **origin:** United States. **pedigree:**
KS56/NB9040. **other id:** PL-174. **group:** CSR-SORGHUM.
other id: 86A1253. **remarks:** Plants short. Panicles
medium compact. Glumes straw color. Awnless. Seeds white.
Testa absent. Maturity medium. Breeding Material. Seed.

PI 511785 to 511803-continued

- PI 511790 donor id: IA45. origin: United States. pedigree: CK60/OKY33. other id: PL-175. group: CSR-SORGHUM. other id: 86A1256. remarks: Plants short. Panicles medium compact. Glumes mahogany. Awnless. Seeds red. Testa present. Maturity medium. Breeding Material. Seed.
- PI 511791 donor id: IA46. origin: United States. pedigree: Tx2749/Tx430. other id: PL-176. group: CSR-SORGHUM. other id: 86A1257. remarks: Plants medium height. Panicles medium compact. Glumes straw color. Awnless. Seeds dark red. Testa absent. Maturity medium late. Breeding Material. Seed.
- PI 511792 donor id: IA47. origin: United States. pedigree: Tx2749/Tx430. other id: PL-177. group: CSR-SORGHUM. other id: 86A1258. remarks: Plants medium tall. Panicles medium compact. Glumes straw color. Awnless. Seed red. Testa absent. Maturity late. Breeding Material. Seed.
- PI 511793 donor id: IA48. origin: United States. pedigree: CK60/Tx2735. other id: PL-178. group: CSR-SORGHUM. other id: 86A1263. remarks: Plants medium short. Panicles medium open. Glumes sienna. Awnless. Seeds white. Testa absent. Maturity medium late. Breeding Material. Seed.
- PI 511794 donor id: IA49. origin: United States. pedigree: CK60/Tx2735. other id: PL-179. group: CSR-SORGHUM. other id: 86A1264. remarks: Plants medium short. Panicles medium compact. Glumes sienna. Awnless. Seeds white. Testa absent. Maturity medium late. Breeding Material. Seed.
- PI 511795 donor id: IA50. origin: United States. pedigree: CK60/Tx2742. other id: PL-180. group: CSR-SORGHUM. other id: 86A1265. remarks: Plants short. Panicles medium open. Glumes sienna. Awnless. Seeds white. Testa absent. Maturity medium late. Breeding Material. Seed.
- PI 511796 donor id: IA51. origin: United States. pedigree: Martin/Tx2736. other id: PL-181. group: CSR-SORGHUM. other id: 86A1267. remarks: Plants medium height. Panicles medium compact. Glumes sienna. Awned. Seeds red. Testa absent. Maturity medium. Breeding Material. Seed.
- PI 511797 donor id: IA52. origin: United States. pedigree: CK60/KP6BR Sel. other id: PL-182. group: CSR-SORGHUM. other id: 86A1271. remarks: Plants medium short. Panicles medium compact. Glumes mahogany. Awnless. Seeds red. Testa absent. Maturity medium late. Breeding Material. Seed.

PI 511785 to 511803-continued

- PI 511798 **donor id:** IA53. **origin:** United States. **pedigree:** Wheatland/KP6BR Sel. **other id:** PL-183. **group:** CSR-SORGHUM. **other id:** 86A1273. **remarks:** Plants medium short. Panicles medium open. Glumes sienna. Awnless. Seeds red. Testa absent. Maturity medium early. Breeding Material. Seed.
- PI 511799 **donor id:** IA54. **origin:** United States. **pedigree:** Martin/S4 Sel. of TAM Bk-8(SC644). **other id:** PL-184. **group:** CSR-SORGHUM. **other id:** 86A1274. **remarks:** Plants medium height. Panicles medium open. Glumes maghogany. Awnless. Seeds light red. Testa present. Maturity medium early. Breeding Material. Seed.
- PI 511800 **donor id:** IA55. **origin:** United States. **pedigree:** K524/S4 Sel. of TAM Bk-29(SC172). **other id:** PL-185. **group:** CSR-SORGHUM. **other id:** 86A1275. **remarks:** Plants medium short. Panicles medium compact. Glumes maghogany. Awnless. Seeds red. Testa absent. Maturity medium. Breeding Material. Seed.
- PI 511801 **donor id:** IA56. **origin:** United States. **pedigree:** Redbine 58 ///CK60/Redlan//SD65331. **other id:** PL-186. **group:** CSR-SORGHUM. **other id:** 86A1282. **remarks:** Plants medium. Panicles medium open. Glumes sienna. Awnless. Seeds light red. Testa present. Maturity medium. Breeding Material. Seed.
- PI 511802 **donor id:** IA57. **origin:** United States. **pedigree:** Martin///CK60//Redbine 58/Akron 9-2. **other id:** PL-187. **group:** CSR-SORGHUM. **other id:** 86A1286. **remarks:** Plants medium height. Panicles medium compact. Glumes mahogany. Awned. Seeds red. Testa absent. Maturity medium. Breeding Material. Seed.
- PI 511803 **donor id:** IA58. **origin:** United States. **pedigree:** KS24///Redlan/Wheatland//Caprock. **other id:** PL-188. **group:** CSR-SORGHUM. **other id:** 86A1290. **remarks:** Plants medium short. Panicles medium compact. Glumes sienna. Awned. Seeds red. Testa absent. Maturity medium. Breeding Material. Seed.

PI 511804 to 511805. Zea mays L. POACEAE Corn

Donated by: West, D.R., Tennessee Agriculture Experiment Station, University of Tennessee, Knoxville, Tennessee, United States.
remarks: Supported in part by a grant from the American Corn Miller's Federation. Received September 18, 1987.

PI 511804 to 511805-continued

PI 511804 **donor id:** T165. **origin:** United States. **pedigree:** T232//T232/Ga209. **other id:** PL-101. **group:** CSR-MAIZE. **remarks:** Maturity AES 1000. Plants compact with short internodes and green brace roots. Tassels 10-12 branches, yellow anthers. Silks green, emerge one-two days after pollen shed. Ears medium-sized. Cobs white, 14-rowed. Kernels medium dent, white. Good combining ability for yield. **disease resistance:** Some to maize dwarf mosaic virus strain A (MDMV-A). Some to maize chlorotic dwarf virus (MCDV) disease complex. Breeding Material. Seed.

PI 511805 **donor id:** T167. **origin:** United States. **pedigree:** Mol7/C.I.66. **other id:** PL-102. **group:** CSR-MAIZE. **remarks:** Maturity AES 1000. Plants taller than PI 511804. Tassels small. Anthers and silks salmon pink. Ears long, 12 to 14-rowed. Cobs white. Kernels small, rounded, hard, white. Plants deteriorate rapidly following maturity. Good general combining ability for yield. Poor male parent. **disease resistance:** Low level tolerance to MDMV-AL MCDV disease complex. Breeding Material. Seed.

PI 511806 to 511807. Zea mays L. POACEAE Sweet corn

Donated by: Davis, D.W., Horticultural Science Department, University of Minnesota, St. Paul, Minnesota, United States. **remarks:** Cooperative contribution of the University of Minnesota, the University of Hawaii, and the Pillsbury Company. Received September 18, 1987.

PI 511806 **donor id:** NE-HY-13A. **origin:** United States. **pedigree:** Topcross Population A. **other id:** GP-170. **group:** CSR-MAIZE. **remarks:** Plants resemble field corn in vigor, ear diameter and length. Kernel row no. 12-18. Kernels pale yellow to golden to darker yellow red. Cobs and silks white and red. Lodging resistance inferior to parent Su Su. Segregates freely for kernel dry-down rate, culinary quality, and other traits. Breeding Material. Seed.

PI 511807 **donor id:** NE-HY-13b. **origin:** United States. **pedigree:** Topcross Population B. **other id:** GP-171. **group:** CSR-MAIZE. **remarks:** Plants resemble field corn in vigor, ear diameter and length. Kernel row no. 12-18. Kernels pale yellow to golden to darker yellow red. Cobs and silks white and red. Lodging resistance inferior to parent Su Su. Segregates freely for kernel dry-down rate, culinary quality, and other traits. Breeding Material. Seed.

PI 511808 to 511811. *Nicotiana tabacum* L. SOLANACEAE Tobacco

Donated by: Johnson, A.W., Pee Dee Research and Education Center, Clemson University, Florence, South Carolina, United States. Received September 18, 1987.

PI 511808 **donor id:** CU-2. **origin:** United States. **pedigree:** Coker 347/TI 1112. **other id:** GP-29. **group:** CSR-TOBACCO. **other id:** JB-3. **remarks:** Plants 1.52m tall. Flowers pink. Flue-cured appearance. Yield 2718 kg/ha. Leaf average 26 per plant. Leaf trichomes without glandular heads or exudates. Nicotine converter with alkaloid level 80% nornicotine. **insect resistance:** Tobacco budworms, hornworms, and aphids. **Breeding Material.** Seed.

PI 511809 **donor id:** CU-5. **origin:** United States. **pedigree:** Clemson PD-4/TI 1132. **other id:** GP-30. **group:** CSR-TOBACCO. **other id:** JA-264. **remarks:** Plants 1.27m tall, flue-cured type. Yield 2237 kg/ha. Flowers pink. Nicotine level 4.43% cured leaf dry weight. **insect resistance:** Aphids. **Breeding Material.** Seed.

PI 511810 **donor id:** CU-25. **origin:** United States. **pedigree:** Coker 347/TI 165. **other id:** GP-31. **group:** CSR-TOBACCO. **other id:** JB-17. **remarks:** Plants 1.3m tall, flue-cured type. Glandular head leaf Trichomes with exudates present. Yield 2667 kg/ha. Leaf average 23 per plant. Total alkaloid level 3.42%. Susceptible to aphids. **insect resistance:** High to tobacco budworm. **Breeding Material.** Seed.

PI 511811 **donor id:** CU-131. **origin:** United States. **pedigree:** Speight G-36/TI 1112. **other id:** GP-32. **group:** CSR-TOBACCO. **other id:** JB-138. **remarks:** Plants 91cm tall. Flowers pink. Leaf average 14 per plant. Leaves contain glandular headed trichemes with less exudates than Speight G-36. Good source of 15-OH abienol. **insect resistance:** Tobacco budworm. **disease resistance:** Possibly to blue mold. **Breeding Material.** Seed.

PI 511812. *Lupinus angustifolius* L. FABACEAE European blue lupine

Donated by: Miller, J.D., USDA-ARS, Coastal Plain Experiment Station, Tifton, Georgia, United States. **remarks:** Cooperative investigations of USDA-ARS and University of Georgia Coastal Plain Experiment Station, Tifton, Georgia. Received September 18, 1987.

PI 511812-continued

donor id: SNLL-87. **origin:** United States. **pedigree:** 65G-251/Uniharvest. **other id:** GP-3. **group:** CSR-LUPINES. **remarks:** Plants valuable for grazing, have resistance to seed shattering. Flowers white. No purple pigments in vegetative parts. Seeds white, soft, high in protein. **disease resistance:** Gray leaf spot and anthracnose. **Breeding Material.** Seed.

PI 511813. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Boerma, H.R., Department of Agronomy, University of Georgia, Athens, Georgia, United States. Received September 18, 1987.

donor id: G79-402. **origin:** United States. **cultivar:** TWIGGS. **pedigree:** Centennial/Forrest. **other id:** CV-209. **group:** CSR-SOYBEAN. **other id:** Ga79-402. **remarks:** Maturity Early Group VI. Growth habit determinate. Flowers purple. Pubescence tawny. Pod walls tan. Seeds yellow with shiny seed coats and black hila. **nematode resistance:** Cyst race 1 & 3. Root-knot. Moderate to *M. arenaria*. **disease resistance:** Field resistance to stem canker, foliar diseases. Bacterial pustule and powder mildew. **Cultivar.** Seed.

PI 511814 to 511816. *Medicago sativa* L. FABACEAE Alfalfa

Donated by: Elgin, J.H., USDA-ARS National Program Staff, Beltsville, Maryland, United States. Received September 18, 1987.

PI 511814 **donor id:** B31. **origin:** United States. **pedigree:** Intercross of 25 selected plants each from site collections in Turkey. **other id:** GP-199. **group:** CSR-ALFALFA. **remarks:** Plants moderately dormant, coarse-stemmed, vigorous, upright, and 3 to 5 cut type. Severe leaf damage due to foliar disease and air pollution during humid summers. **Breeding Material.** Seed.

PI 511815 **donor id:** B32. **origin:** United States. **pedigree:** Intercross of 25 selected plants each from site collections in Turkey. **other id:** GP-200. **group:** CSR-ALFALFA. **remarks:** Plants very dormant, fine-stemmed, moderately vigorous, spreading, and 1 to 2 cut types. Severe leaf damage due to foliar disease and air pollution during humid summers. **Breeding Material.** Seed.

PI 511814 to 511816-continued

PI 511816 **donor id:** B36. **origin:** United States. **pedigree:** Intercross of approx. 10 plants each from 44 site collections in Turkey. **other id:** GP-201. **group:** CSR-ALFALFA. **remarks:** Plants dormant, mostly fine-stemmed, nonvigorous, sprawling, wild types. Breeding Material. Seed.

PI 511817 to 511822. *Cucumis sativus* L. CUCURBITACEAE Cucumber

Donated by: Yang, W.Z., Department of Horticulture, Taiwan Agricultural Research Institute, 189 Chung-cheng Road, Wan-feng, Wu-feng, Taichung, Taiwan; and Hsiao, C.H., Department of Horticulture, Taiwan Agricultural Research Institute, 189 Chung-Cheng Road, Wan-feng, Wu-feng, Taichung, Taiwan. Received August 9, 1987.

PI 511817 **origin:** Taiwan. **cultivar:** HEI-PEI TA KUA. **remarks:** Fruits dark green, smooth skinned with white spines. Monoecious type. **disease resistance:** High to CMV, CGMMV, ZYMV, & WMV-1. Cultivar. Seed.

PI 511818 **origin:** Taiwan. **cultivar:** WOON-NONG No. 5. **remarks:** Fruits dark green, smooth skinned with light yellow stripes and white spines. Monoecious type. **disease resistance:** High to CMV, CGMMV, & WMV-1. Resistant to ZYMV. Cultivar. Seed.

PI 511819 **origin:** Taiwan. **cultivar:** 205 CUCUMBER. **remarks:** Fruits dark green, wrinkled skin with light green stripes and white spines. Monoecious type. **disease resistance:** High to CMV & CGMMV. Resistant to ZYMV & WMV-1. Cultivar. Seed.

PI 511820 **origin:** Taiwan. **cultivar:** 206 CUCUMBER. **remarks:** Fruits green, wrinkled skin with white spines. Monoecious type. **disease resistance:** High to CMV. Resistant to CGMMV, ZYMV & WMV-1. Cultivar. Seed.

PI 511821 **origin:** Taiwan. **cultivar:** RNEY-CHING. **remarks:** Fruits green, smooth skin with light green stripes and white spines. Monoecious type. **disease resistance:** High to CMV & CGMMV. Resistant to ZYMV & WMV-1. Cultivar. Seed.

PI 511822 **origin:** China, Peoples Repub of. **cultivar:** CHARNG-CHING. **remarks:** Fruits green, wrinkled skin with light yellow stripes and white spines. Monoecious type. **disease resistance:** High to CMV, ZYMV & WMV-1. Resistant to CGMMV. Cultivar. Seed.

PI 511823 to 511834. Sorghum bicolor (L.) Moench POACEAE Sorghum

Donated by: Obilana, A.T., Sorghum Millet Improvement Program, SADCC/ICRISAT, P.O. Box 776, Bulawayo, Zimbabwe. Received July 27, 1987.

- PI 511823 donor id: SDS 7443. origin: China, Peoples Repub of. origin institute id: No. 1. cultivar: 119. Cultivar. Seed.
- PI 511824 donor id: SDS 7444. origin: China, Peoples Repub of. origin institute id: No. 29. cultivar: BIG WHITE HULL (DABAIKE). Cultivar. Seed.
- PI 511825 donor id: SDS 7445. origin: China, Peoples Repub of. origin institute id: No. 39. cultivar: WHITE BIG-BELLIED (DABAIIKA). Cultivar. Seed.
- PI 511826 donor id: SDS 7446. origin: China, Peoples Repub of. origin institute id: No. 72. cultivar: SHORT RED. Cultivar. Seed.
- PI 511827 donor id: SDS 7448. origin: China, Peoples Repub of. origin institute id: No. 166. cultivar: RED RICE GRAIN. Cultivar. Seed.
- PI 511828 donor id: SDS 7451. origin: China, Peoples Repub of. origin institute id: No. 245. cultivar: SEA YELLOW. Cultivar. Seed.
- PI 511829 donor id: SDS 7452. origin: China, Peoples Repub of. origin institute id: No. 346. cultivar: XIONGYNE 191. Cultivar. Seed.
- PI 511830 donor id: SDS 7453. origin: China, Peoples Repub of. origin institute id: No. 347. cultivar: XIONGYNE 253. Cultivar. Seed.
- PI 511831 donor id: SDS 7454. origin: China, Peoples Repub of. origin institute id: No. 348. cultivar: XIONGYNE 334. Cultivar. Seed.
- PI 511832 donor id: SDS 7455. origin: China, Peoples Repub of. origin institute id: No. 461. cultivar: BIG YELLOW UMBRELLA. Cultivar. Seed.
- PI 511833 donor id: SDS 7456. origin: China, Peoples Repub of. origin institute id: No. 581. cultivar: WHITE SORGHUM. Cultivar. Seed.
- PI 511834 donor id: SDS 7457. origin: China, Peoples Repub of. origin institute id: No. 758. cultivar: GOLDEN LIGHT SORGHUM. Cultivar. Seed.

PI 511835. *Sorghum bicolor* (L.) Moench POACEAE Sorghum

Donated by: Taylor, A.G.E., P.O. Box 8, Morpeth, N.S.W. 2321, Australia. Received August 20, 1987.

origin: Australia. **cultivar:** SECCALINE. **remarks:** Maturity mid season-late. Stems medium-large with abundant leafage. Favored for green fodder and silage-making. Retains succulence well into winter. Cultivar. Seed.

PI 511836 to 511838. *Zea mays* L. POACEAE Corn

Donated by: Taylor, A.G.E., P.O. Box 8, Morpeth, N.S.W. 2321, Australia. Received August 20, 1987.

PI 511836 **origin:** Australia. **cultivar:** MANNING PRIDE. **latitude:** 33 deg. S. **remarks:** Late maturing, open-pollinated type. Stalk thick and tall with large cobs and thick stalks. Cobs 25.4-33.02cm. Dent deep with 16-18 rows. Grain regular with narrow to medium furrow between rows, irregular in size, soft and starchy, dull yellow in appearance. Cultivar. Seed.

PI 511837 **origin:** Australia. **cultivar:** MANNING WHITE. **latitude:** 33 deg. S. **remarks:** Open-pollinated type. Cobs short with 12 rows of grain and an open space between rows. Grain large, white. Adapted to drier upper Manning and Macleay river regions. Cultivar. Seed.

PI 511838 **origin:** Australia. **cultivar:** GOLDEN SUPERB. **latitude:** 33 deg. S. **remarks:** Early maturing, open-pollinated type. Ears 17.78-20.32cm long with 14 rows of moderately broad thick grain with shallow smooth dent. Grain dark amber with reddish tendency. Cap pale yellow, almost white, hardy. Popular on Macleay river due to earliness. Cultivar. Seed.

PI 511839. *Setaria sphacelata* (Schum.) M. B. Moss POACEAE

Donated by: Bayliss, R.D., 9 Winsor Close, Mount Pleasant, Harare, Zimbabwe. Received September 21, 1987.

donor id: 10690. **origin:** Zimbabwe. **collector id:** 10690. **locality:** Chirundu escarpment. **remarks:** Plants to .75m tall. Flowers purplish. Wild. Seed.

PI 511840. *Sorghum bicolor* (L.) Moench POACEAE Sorghum

Donated by: Bayliss, R.D., 9 Winsor Close, Mount Pleasant, Harare, Zimbabwe. Received September 21, 1987.

PI 511840-continued

donor id: 10691. **origin:** Zimbabwe. **collector id:** 10691.
locality: Kariba village. **remarks:** Plants to 2.4m tall.
Inflorescences purple-brown. Used by natives when
harvested for porridge. Wild. Seed.

PI 511841. *Solanum tuberosum* L. SOLANACEAE Potato

Donated by: VIR, Leningrad, Soviet Union. Received October 1986.

origin: Soviet Union. **cultivar:** NEVIKIJ. **other id:** Q
23038 B. Cultivar. Tuber.

PI 511842 to 511845. *Solanum tuberosum* L. SOLANACEAE Potato

Donated by: CIP, P.O. Box 5969, Lima, Peru. Received December 12,
1985.

PI 511842 **donor id:** CIP 720084. **origin:** Peru. **cultivar:** CFK-69-1.
other id: Q 23884. **disease resistance:** Late blight.
Cultivated. Tuber.

PI 511843 **donor id:** CIP 800212. **origin:** Peru. **cultivar:** BR 63.5.
other id: Q 23886. Cultivated. Tuber.

PI 511844 **donor id:** CIP 720057. **origin:** Peru. **cultivar:** CEX-69-1.
other id: Q 23893. Cultivated. Tuber.

PI 511845 **donor id:** CIP 720087. **origin:** Peru. **cultivar:** SERRANA.
other id: Q 23894. Cultivar. Tuber.

PI 511846 to 511847. *Solanum hybrid* SOLANACEAE

Donated by: Institute for Plant Breeding, 6700 AA Wageningen,
Netherlands. Received December 12, 1985.

PI 511846 **donor id:** G-LKS 58.1642/4. **origin:** Netherlands.
pedigree: *Solanum vernei*/*S. tuberosum*. **other id:** Q
21718. **nematode resistance:** Golden nematode.
Cultivated. Tuber.

PI 511847 **donor id:** 65.346/19. **origin:** Netherlands. **pedigree:**
Solanum vernei/*S. tuberosum*. **other id:** Q 21720.
nematode resistance: Golden nematode. Cultivated.
Tuber.

PI 511848. *Solanum tuberosum* L. SOLANACEAE Potato

Donated by: Jenkins, P.T., Plant Research Institute, Department of Agriculture, Swan Street, Burnley, Victoria, Australia. Received December 12, 1985.

origin: Australia. **cultivar:** TARAGO. **other id:** Q 24006-C. **Cultivar.** Tuber.

PI 511849. *Triticum aestivum* L. POACEAE Common wheat

Donated by: Marshall, D.S., Texas Agricultural Experiment Station, Texas A&M University, 17360 Coit Road, Dallas, Texas, United States. **remarks:** Joint development by the Texas Agricultural Experiment Station and USDA-ARS. Received September 30, 1987.

donor id: TX71D4876-V5. **origin:** United States. **cultivar:** COLLIN. **pedigree:** Agent/Tascosa//Sturdy. **remarks:** Semi-dwarf, hard red type. Juvenile growth habit semi-erect. Heads awned and fusiform. Chaff brown. Maturity early. No lodging problems. Yield high. Adaptation Blacklands and South Texas. Milling and baking qualities satisfactory. Resistant to races UN3, UN5, UN6, UN13, UN14, and UN17 leaf rust. **disease resistance:** Leaf rust per gene Lr 24. Moderate to powdery mildew and septoria tritici blotch. Winter Annual. **Cultivar.** Seed.

PI 511850 to 511853. *Solanum tuberosum* L. SOLANACEAE Potato

Donated by: Scottish Crop Research Institute, Pentlandsfield-Roslin, Midlothian EH25 9RF, Scotland. Received December 12, 1985.

PI 511850 **donor id:** 2182 ef 7. **origin:** United Kingdom. **other id:** Q 22472. **remarks:** Differential for identifying race R7 of late blight (*Phytophthora infestans*). Cultivated. Tuber.

PI 511851 **donor id:** 2070 (50). **origin:** United Kingdom. **other id:** Q 22474. **remarks:** Differential for identifying races R2, R3, and R4 of late blight (*Phytophthora infestans*). Cultivated. Tuber.

PI 511852 **donor id:** 2070 (54). **origin:** United Kingdom. **other id:** Q 22475. **remarks:** Differential for identifying races R1, R2, R3, and R4 of late blight (*Phytophthora infestans*). Cultivated. Tuber.

PI 511853 **donor id:** 2070 (59). **origin:** United Kingdom. **other id:** Q 22476. **remarks:** Differential for identifying races R1, R2, and R3 of late blight (*Phytophthora infestans*). Cultivated. Tuber.

PI 511854. *Solanum tuberosum* L. SOLANACEAE Potato

Donated by: Scottish Crop Research Institute, Pentlandsfield-Roslin, Midlothian EH25 9RF, Scotland. Received October 1985.

donor id: 1682 C 1. **origin:** United Kingdom. **other id:** Q 22471-A. **remarks:** Differential for identifying races R2 and R3 of late blight (*Phytophthora infestans*). Cultivated. Tuber.

PI 511855 to 511860. *Solanum tuberosum* L. SOLANACEAE Potato

Donated by: CIP, Lima, Peru. Received October 1985.

PI 511855 **donor id:** CIP 800944. **origin:** Peru. **other id:** Q 22471-A. Cultivated. Tuber.

PI 511856 **donor id:** CIP 720117. **origin:** Peru. **cultivar:** CAPIRO. **other id:** Q 23883-A. Cultivar. Tuber.

PI 511857 **donor id:** CIP 800174. **origin:** Peru. **cultivar:** DTO 33. **other id:** Q 23896-A. Cultivar. Tuber.

PI 511858 **donor id:** CIP 800222. **origin:** Peru. **cultivar:** BR 63.65. **other id:** Q 23897-A. Cultivar. Tuber.

PI 511859 **donor id:** CIP 800223. **origin:** Peru. **cultivar:** BR 63.74. **other id:** Q 23898-A. Cultivar. Tuber.

PI 511860 **donor id:** CIP 800934. **origin:** Peru. **cultivar:** MS 35.9. **other id:** Q 23900-A. Cultivar. Tuber.

PI 511861 to 511862. *Nicotiana tabacum* L. SOLANACEAE Tobacco

Donated by: Eguchi, K., Japan Tobacco Inc., Iwata Experiment Station, Iwata, Shizuoka-ken, 438, Japan. Received September 08, 1987.

PI 511861 **origin:** Japan. **cultivar:** OKINAWA. **locality:** Iwata Experiment Station, Shizuoka-ken. **nematode resistance:** Root knot (*Meloidogyne javanica*). Cultivar. Seed.

PI 511862 **origin:** Japan. **cultivar:** OKINAWA 12. **locality:** Iwata Experiment Station, Shizuoka-ken. **nematode resistance:** Root knot (*Meloidogyne javanica*). Cultivar. Seed.

PI 511863. *Eryngium sanguisorba* Cham. & Schldl. APIACEAE

Donated by: Armand-Ugon, P., Facultad de Agronomia, Catedra de Botanica, Av. E. Garzon 780, Montevideo, Uruguay. Received July 27, 1987.

PI 511863-continued

origin: Uruguay. Cultivated. Seed.

PI 511864. *Daucus pusillus* Michx. APIACEAE

Donated by: Armand-Ugon, P., Facultad de Agronomia, Catedra de Botanica, Av. E. Garzon 780, Montevideo, Uruguay. Received July 27, 1987.

origin: Uruguay. Cultivated. Seed.

PI 511865. *Ocimum selloi* Benth. LAMIACEAE

Donated by: Armand-Ugon, P., Facultad de Agronomia, Catedra de Botanica, Av. E. Garzon 780, Montevideo, Uruguay. Received July 27, 1987.

origin: Uruguay. Cultivated. Seed.

PI 511866 to 511869. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Li, Guozhen, Nenjiang Agricultural Institute, Heilongjiang Academy of Agri. Sciences, Keji, Fularji, Qiqihar, Heilongjiang Prov., China, Peoples Republic of. Received September 11, 1987.

PI 511866 origin: China, Peoples Repub of. cultivar: NENFENG 9.
remarks: Developed after 1980. Cultivar. Seed.

PI 511867 origin: China, Peoples Repub of. cultivar: NENFENG 10.
remarks: Developed after 1980. Cultivar. Seed.

PI 511868 origin: China, Peoples Repub of. cultivar: NENFENG 11.
remarks: Developed after 1980. Cultivar. Seed.

PI 511869 origin: China, Peoples Repub of. cultivar: NENFENG 12.
remarks: Developed after 1980. Cultivar. Seed.

PI 511870. X *Triticosecale* sp. POACEAE Triticale

Donated by: Salmon, D.F., Field Crops Branch, Alberta Agriculture, 5718-56 Ave., Bag Service #47, Lacombe, Alberta, Canada. Received October 2, 1987.

PI 511870-continued

donor id: T44. **origin:** Canada. **cultivar:** WAPITI.
pedigree: Drira//Kiss/Amadillo. **other id:** Canada Reg.
no. 2748. **remarks:** Plants medium to tall, midseason
heading, high yielding. Shattering resistance good.
Spikes awned, waxy bloom at maturity. Potential for
silage. Adapted to brown and black soils of Western
Canada. Bread making quality poor. Kernel protein content
intermediate. **disease resistance:** Stem & leaf rust,
loose smut. Moderate to root rot & ergot. Spring Annual.
Cultivar. Seed.

PI 511871 to 511873. *Avena sativa* L. POACEAE Common oat

Donated by: Mackay, M.C., Australian Wheat Collection, P.M.B. R.M.B.
944, Tamworth, New South Wales 2340, Australia. Received October
06, 1987.

PI 511871 **donor id:** Aus 99132. **origin:** Australia. **cultivar:**
CYPRESS. **pedigree:**
Kent/Orient//Coolabah/3/Kent/Fulmark//2*Cooba. **remarks:**
Maturity early. Plants tall. Test weight high. Husk
percentage medium to low. Grain size small, light brown.
Moderately susceptible to B.Y.D.V. Very susceptible to
cereal cyst nematode. Use as early forage. Good quality
feed grain. Acceptable for milling. **disease resistance:**
Crown rust. Moderate to bacterial stripe blight.
Moderate to septoria leaf blotch. Winter Annual.
Cultivar. Seed.

PI 511872 **donor id:** Aus 799015. **origin:** Australia. **cultivar:**
MARLOO. **pedigree:** West/OX77;74-1. **remarks:** Maturity
mid-season. Susceptible to stem rust. Use as early
forage, hay or grain. **nematode resistance:** Cereal cyst.
Winter Annual. Cultivar. Seed.

PI 511873 **donor id:** Aus 799016. **origin:** Australia. **cultivar:**
WALLAROO. **pedigree:** West/OX77;74-5. **remarks:** Maturity
early. Susceptible to stem rust. **nematode resistance:**
Cereal cyst. Winter Annual. Cultivar. Seed.

PI 511874 to 511875. *Triticum aestivum* L. POACEAE Common wheat

Donated by: Mackay, M.C., Australian Wheat Collection, P.M.B. R.M.B.
944, Tamworth, New South Wales 2340, Australia. Received October
06, 1987.

PI 511874 to 511875-continued

PI 511874 donor id: Aus 23163. origin: Australia. cultivar: KULIN. pedigree: Bodallin//gamenya/INIA 66. other id: 77W/550. other id: 77W/16-179. remarks: Soft, white type. Maturity early. Straw strong. Head white bearded. Yields well in north high rainfall area and all zones of the medium and low rainfall regions except southern zones. Moderately susceptible to stripe rust. Suitable for Chinese noodles. Developer J. Reeves, W.A. disease resistance: Flag smut. Spring Annual. Cultivar. Seed.

PI 511875 donor id: Aus 23165. origin: Australia. cultivar: ROSELLA. pedigree: Farro Lunga/Heron//2*Condor/3/Quarrion sib. other id: M3265. remarks: Soft, white type. Maturity medium. Head white bearded. Developer R.H. Martin, N.S.W. disease resistance: Flag smut. Moderate to stem rust (Banks type) & stripe rust. Winter Annual. Cultivar. Seed.

PI 511876. *Amaranthus cruentus* L. AMARANTHACEAE

Donated by: Merrick, L.C., Department of Vegetable Crops, University of California, Davis, California, United States. remarks: Received through IBPGR, Rome, Italy. Received April 15, 1987.

donor id: 851109-05. origin: Mexico. local name: Huatle. collected: November 09, 1985. collector id: 851109-05. locality: Hilly backyard of Guildardo Morales, Guadalupe y Calvo, Chihuahua. latitude: 26 deg. 10 min. N. longitude: 107 deg. 0 min. W. elevation: 2180m. remarks: Inflorescence rose-colored. Seeds white. Sown in June, harvested in September and October. Seeds popped and put into honey. Primitive Cultivar. Seed.

PI 511877. *Amaranthus hypochondriacus* L. AMARANTHACEAE

Donated by: Merrick, L.C., Department of Vegetable Crops, University of California, Davis, California, United States. remarks: Received through IBPGR, Rome, Italy. Received April 15, 1987.

donor id: 851109-06. origin: Mexico. local name: Huatle. collected: November 09, 1985. collector id: 851109-06. locality: Hilly backyard of Guildardo Morales, Guadalupe y Calvo, Chihuahua. latitude: 26 deg. 10 min. N. longitude: 107 deg. 0 min. W. elevation: 2180m. remarks: Leaves green. Inflorescence white. Seeds white, originally from Durango. Sown in June, harvested in September. Primitive Cultivar. Seed.

PI 511878. *Arachis hypogaea* L. FABACEAE Peanut

Donated by: Merrick, L.C., Department of Vegetable Crops, University of California, Davis, California, United States. **remarks:** Received through IBPGR, Rome, Italy. Received April 15, 1987.

donor id: 851124-10. **origin:** Mexico. **local name:** Cacahuates. **collected:** November 24, 1985. **collector id:** 851124-10. **locality:** Sandy, hilly farmland, Rancho del Babo, Choix, 39km NW of El Fuerte, Sinaloa. **latitude:** 26 deg. 35 min. N. **longitude:** 108 deg. 20 min. W. **elevation:** 320m. **remarks:** Sown in June and July, harvested in October and November. Toasted for human consumption. Sample donated by Encornacion Torres Legarra. Primitive Cultivar. Seed.

PI 511879 to 511884. *Capsicum annum* L. SOLANACEAE

Donated by: Merrick, L.C., Department of Vegetable Crops, University of California, Davis, California, United States. **remarks:** Received through IBPGR, Rome, Italy. Received April 15, 1987.

PI 511879 **donor id:** 851110-06. **origin:** Mexico. **local name:** Chile caribe or Pico de Pajaro (Span.), Kokoli (Tepehuan). **collected:** November 10, 1985. **collector id:** 851110-06. **locality:** Depression in backyard of Clorinda H.(Viuda) de Rivas and Elisa Rodriguez (Viuda) de Melchior in Nabogame community, approximately 10km E of Santa Rosalia, Guadalupe y Calvo, Chihuahua. **latitude:** 26 deg. 15 min. N. **longitude:** 106 deg. 55 min. W. **elevation:** 1850m. **remarks:** Sown in June, harvested in September and October. Eaten whole or used as a cooking condiment. Old type. Primitive Cultivar. Seed.

PI 511880 **donor id:** 851110-07. **origin:** Mexico. **local name:** Chile caribe (Span.), Kokoli (Tepehuan). **collected:** November 10, 1985. **collector id:** 851110-07. **locality:** Depression in backyard of Clorinda H.(Viuda) de Rivas and Elisa Rodriguez (Viuda) de Melchior in Nabogame community, approximately 10km E of Santa Rosalia, Guadalupe y Calvo, Chihuahua. **latitude:** 26 deg. 15 min. N. **longitude:** 106 deg. 55 min. W. **elevation:** 1850m. **remarks:** Sown in June, harvested in September and October. Used as a cooking condiment or in salsa. Hot type. Primitive Cultivar. Seed.

PI 511879 to 511884-continued

- PI 511881 donor id: 851113-06. origin: Mexico. local name: Chile jalapeno. collected: November 13, 1985. collector id: 851113-06. locality: Level farmland probably commercial, near San Isidro, 30km SE of Cd. Camargo, Jimenez, Chihuahua. latitude: 27 deg. 30 min. N. longitude: 105 deg. 0 min. W. elevation: 1240m. remarks: Sown in March and April, harvested in October and November. Used for salsa. Primitive Cultivar. Seed.
- PI 511882 donor id: 851113-13. origin: Mexico. local name: Chile negro. collected: November 13, 1985. collector id: 851113-13. other id: GN85-50. locality: Purchased at roadside stand, edge of town of Saucillo, Chihuahua. Grown on level site near Cd. Camargo at Rancho Zaragosa by Manuel Munoz. latitude: 28 deg. 0 min. N. longitude: 105 deg. 15 min. W. elevation: 1220m. remarks: Cooked fruits used as a condiment. Primitive Cultivar. Seed.
- PI 511883 donor id: 860228-07. origin: Mexico. local name: Chile criollo. collected: February 28, 1986. collector id: 860228-07. locality: Purchased at village market in Rio Balsas region, village of Altamirano, 54km SW of Huetamo, Guerrero. latitude: 18 deg. 20 min. N. longitude: 100 deg. 40 min. W. elevation: 226m. remarks: Red or green mature fruits (not dried) sold at market. Used as condiment. Primitive Cultivar. Seed.
- PI 511884 donor id: 860228-08. origin: Mexico. local name: Chile de Chapa. collected: February 28, 1986. collector id: 860228-08. locality: From market in village of Teloloapan, Rio Balsas region, approximately 70km W of Aroelia, Guerrero. latitude: 18 deg. 20 min. N. longitude: 99 deg. 50 min. W. elevation: 1500m. Primitive Cultivar. Seed.

PI 511885 to 511887. *Capsicum annum* var. *glabriusculum* (Dunal) Heiser & Pickersgill SOLANACEAE

Donated by: Merrick, L.C., Department of Vegetable Crops, University of California, Davis, California, United States. remarks: Received through IBPGR, Rome, Italy. Received April 15, 1987.

PI 511885 to 511887-continued

- PI 511885 **donor id:** 851112-01. **origin:** Mexico. **local name:** Pequin or Sivuli (Tepehuan). **collected:** November 12, 1985. **collector id:** 851112-01. **locality:** In canyon, between Baborigame/Huerachi and Guachochic, 65km N of Guadalupe y Calvo, Chihuahua. **latitude:** 26 deg. 30 min. N. **longitude:** 107 deg. 20 min. W. **elevation:** 1900m. **remarks:** Fruits harvested in fall from wild, shrubby plants, used as condiment. Sample donated by Felipa Quinones. **received as:** *C. annuum* var. *aviculare*. Wild. Seed.
- PI 511886 **donor id:** 851112-03. **origin:** Mexico. **local name:** Sivuli. **collected:** November 12, 1985. **collector id:** 851112-03. **locality:** In canyon, between Baborigame/Huerachi and Guachochic, 65km N of Guadalupe y Calvo, Chihuahua. **latitude:** 26 deg. 30 min. N. **longitude:** 107 deg. 20 min. W. **elevation:** 1900m. **remarks:** Fruits harvested in fall from wild, shrubby plants, used as condiment. Sample donated by Maximiliano Quinones. **received as:** *C. annuum* var. *aviculare*. Wild. Seed.
- PI 511887 **donor id:** 851123-05. **origin:** Mexico. **local name:** Chiltepin. **collected:** November 23, 1985. **collector id:** 851123-05. **locality:** Sloping farmland of Rancho Esperanza, 40km N of Alamos, Alamos, Sonora. **latitude:** 27 deg. 20 min. N. **longitude:** 108 deg. 55 min. W. **elevation:** 150m. **remarks:** Fruits harvested in September and October from canyons. Sold in market in Navajoa. Used a condiment and in salsa. Sample donated by Feliz Enrizeue Argueye. **received as:** *C. annuum* var. *aviculare*. Wild. Seed.

PI 511888. *Cayaponia attenuata* (Hook. & Arn.) Cogn. CUCURBITACEAE

Donated by: Merrick, L.C., Department of Vegetable Crops, University of California, Davis, California, United States. **remarks:** Received through IBPGR, Rome, Italy. Received April 15, 1987.

donor id: 860228-03. **origin:** Mexico. **local name:** Chicayotilla. **collected:** February 28, 1986. **collector id:** 860228-03. **locality:** Market, Rio Balsas region, Cd. Altimirano, 54km SW of Huetamo, Michoacan, Guerrero. **latitude:** 18 deg. 20 min. N. **longitude:** 100 deg. 40 min. W. **elevation:** 226m. **remarks:** Plant a wild vine. Fruits small, round, green. Whole dried vines and fruits sold as detergent used for washing smelly clothes. Purchased from herb vendor. Wild. Seed.

PI 511889. *Citrullus lanatus* (Thunb.) Matsum. & Nakai CUCURBITACEAE
Watermelon

Donated by: Merrick, L.C., Department of Vegetable Crops, University of California, Davis, California, United States. **remarks:** Received through IBPGR, Rome, Italy. Received April 15, 1987.

donor id: 851123-04. **origin:** Mexico. **local name:** Sandia. **collected:** November 23, 1985. **collector id:** 851123-04. **locality:** Sloping farmland in Las Molinas, 33km N of Alamos, Rio Mayo region, Sonora. **latitude:** 27 deg. 20 min. N. **longitude:** 108 deg. 55 min. W. **elevation:** 150m. **remarks:** Sown in July, harvested in October and November. Low yields in years with low rainfall. Eat raw fruit. Sample donated by Guadalupe Garcia de Garcia. **received as:** *C. vulgaris*. Primitive Cultivar. Seed.

PI 511890. *Cucumis melo* var. *dudaim* (L.) Naudin CUCURBITACEAE

Donated by: Merrick, L.C., Department of Vegetable Crops, University of California, Davis, California, United States. **remarks:** Received through IBPGR, Rome, Italy. Received April 15, 1987.

donor id: 851125-02. **origin:** Mexico. **collected:** November 25, 1985. **collector id:** 851125-02. **locality:** Growing on level site in hilly region in sandy soil, roadside ditch next to Sorghum field, near Guamuchil, 8km W on road to Mocorito, Rio Mocorito region, Sinoloa. **latitude:** 25 deg. 25 min. N. **longitude:** 108 deg. 00 min. W. **elevation:** 50m. **remarks:** Seeds germinate with rains, harvest September/October. Wild. Seed.

PI 511891 to 511895. *Cucurbita ficifolia* Bouche CUCURBITACEAE Figleaf gourd

Donated by: Merrick, L.C., Department of Vegetable Crops, University of California, Davis, California, United States. **remarks:** Received through IBPGR, Rome, Italy. Received April 15, 1987.

PI 511891 **donor id:** 851109-03. **origin:** Mexico. **local name:** Chilacayote. **collected:** November 09, 1985. **collector id:** 851109-03. **locality:** Sloping backyard of Guildardo Morales, in town of Guadalupe y Calvo, Chihuahua. **latitude:** 26 deg. 10 min. N. **longitude:** 107 deg. 0 min. W. **elevation:** 2180m. **remarks:** Fruits white to light green. Plants rainfed and fertilized. Sown in June with the rains, harvested in September before the frosts. Flesh prepared as a sweet. Primitive Cultivar. Seed.

PI 511891 to 511895-continued

PI 511892 donor id: 851110-08. origin: Mexico. local name: Chilacayote. collected: November 10, 1985. collector id: 851110-08. locality: Depression in backyard of Clorinda H. (Viuda) de Rivas and Elisa Rodriguez (Viuda) de Melchior in Nabogame community, 10km E of Santa Rosalia, Guadalupe y Calvo, Chihuahua. latitude: 26 deg. 15 min. N. longitude: 106 deg. 55 min. W. elevation: 1850m. remarks: Sown in June, harvested in September and October. Eat flowers, but not seeds. Eat mature flesh raw in salads, or cooked in sweets. Primitive Cultivar. Seed.

PI 511893 donor id: 851111-14. origin: Mexico. local name: Chilacayote. collected: November 11, 1985. collector id: 851111-14. locality: Farmland on a mountain summit near Santa Rosalia de Abajo, 30km N of Guadalupe y Calvo, Chihuahua. latitude: 26 deg. 15 min. N. longitude: 107 deg. 05 min. W. elevation: 2080m. remarks: Sown in June, harvested in September and October. Sample donated by Guadalupe Saenz de Martinez. Primitive Cultivar. Seed.

PI 511894 donor id: 851112-09. origin: Mexico. local name: Chilacayote. collected: November 12, 1985. collector id: 851112-09. locality: Baborigame, 65km N of Guadalupe y Calvo, Chihuahua. latitude: 26 deg. 30 min. N. longitude: 107 deg. 20 min. W. elevation: 1880m. remarks: Sown in June, harvested in October and November. Mature flesh used to prepare sweets. Sample donated by Rosalba Chapparo, fruit grown by Rosario Bueno. Primitive Cultivar. Seed.

PI 511895 donor id: 860227-01. origin: Mexico. local name: Chilacayote. collected: February 27, 1986. collector id: 860227-01. locality: Sloping farmland near La Venta, 16km W of Cd. Hidalgo, Rio Balsas region, Michoacan. latitude: 19 deg. 42 min. N. longitude: 100 deg. 45 min. W. elevation: 2170m. remarks: Sown in March, harvested in October. Toast seeds to eat. Cook mature flesh. Sample donated by Julian Moreno. Primitive Cultivar. Seed.

PI 511896. Cucurbita foetidissima H. B. K. CUCURBITACEAE Buffalo gourd

Donated by: Merrick, L.C., Department of Vegetable Crops, University of California, Davis, California, United States. remarks: Received through IBPGR, Rome, Italy. Received April 15, 1987.

PI 511896-continued

donor id: 851116-02. **origin:** Mexico. **local name:** Calabacilla (Span.), Aarra (Mt. Pima Indian).
collected: November 16, 1985. **collector id:** 851116-02.
locality: Slope at edge of cultivated field of Rancho Las Varas, Temosachic, 12km W-SW from Yepachic, Chihuahua.
latitude: 28 deg. 25 min. N. **longitude:** 108 deg. 30 min. W. **elevation:** 1625m. **remarks:** Animals eat fruits, but no human consumption due to the bitterness of the pulp. Sample donated by Cruz Castellanos Contreras and Teresa Alvares Orozco. Wild. Seed.

PI 511897 to 511936. Cucurbita mixta Pang. CUCURBITACEAE

Donated by: Merrick, L.C., Department of Vegetable Crops, University of California, Davis, California, United States. **remarks:** Received through IBPGR, Rome, Italy. Received April 15, 1987.

PI 511897 **donor id:** 851113-04. **origin:** Mexico. **collected:** November 13, 1985. **collector id:** 851113-04. **locality:** Level, irrigated farmland, probably commercial, near San Isidro, 30km SE of Cd. Camargo, Jimenez, Chihuahua.
latitude: 27 deg. 30 min. N. **longitude:** 105 deg. 0 min. W. **elevation:** 1240m. **remarks:** Fruits vary in size and shape. Sown in March and April, harvested in September and October. Cook mature flesh; eat seeds. Primitive Cultivar. Seed.

PI 511898 **donor id:** 851113-05. **origin:** Mexico. **collected:** November 13, 1985. **collector id:** 851113-05. **locality:** Level, irrigated farmland, probably commercial, near San Isidro, 30km SE of Cd. Camargo, Jimenez, Chihuahua.
latitude: 27 deg. 30 min. N. **longitude:** 105 deg. 0 min. W. **elevation:** 1250m. **remarks:** Fruits vary in size and shape. Sown in March and April, harvested in September and October. Cook mature flesh; eat seeds. Primitive Cultivar. Seed.

PI 511899 **donor id:** 851113-09. **origin:** Mexico. **local name:** Cherota. **collected:** November 13, 1985. **collector id:** 851113-09. **locality:** Grown by Manuel Munoz, near Cd. Camarga, at Rancho Zaragosa, on level, irrigated farmland. Purchased at village market at edge of Saucillo, Chihuahua. **latitude:** 28 deg. 0 min. N. **longitude:** 105 deg. 15 min. W. **elevation:** 1220m. **remarks:** Fruits vary in shape. Sown in March and April, harvested in September and October. Cook mature flesh; eat seeds. Primitive Cultivar. Seed.

PI 511897 to 511936-continued

- PI 511900 **donor id:** 851113-10. **origin:** Mexico. **local name:** Cherota. **collected:** November 13, 1985. **collector id:** 851113-10. **locality:** Grown by Manuel Munoz, near Cd. Camarga, at Rancho Zaragosa, on level, irrigated farmland. Purchased at village market, edge of Saucillo, Chihuahua. **latitude:** 28 deg. 0 min. N. **longitude:** 105 deg. 15 min. W. **elevation:** 1220m. **remarks:** Fruits vary in shape mature earlier than Cucurbita moschata. Sown in March and April, harvested in September and October. Cook flesh of mature fruits; eat seeds. Primitive Cultivar. Seed.
- PI 511901 **donor id:** 851118-01. **origin:** Mexico. **local name:** Calabaza caliente. **collected:** November 18, 1985. **collector id:** 851118-01. **locality:** Sloping farmland of a rancho in Yecora village, Sonora. **latitude:** 28 deg. 20 min. N. **longitude:** 109 deg. 0 min. W. **elevation:** 1580m. **remarks:** Plant requires less water than C. pepo. Sown in April and May, harvested in September. Cook flesh and use in sweets; toast seeds or grind into sauce (Pipian). Sample donated by Maria Jesus Valenzuela Amavisca and Manuel Morales Rubio. Seeds green striped. Primitive Cultivar. Seed.
- PI 511902 **donor id:** 851118-02. **origin:** Mexico. **local name:** Calabaza caliente. **collected:** November 18, 1985. **collector id:** 851118-02. **locality:** Sloping farmland of a rancho in Yecora village, Sonora. **latitude:** 28 deg. 20 min. N. **longitude:** 109 deg. 0 min. W. **elevation:** 1580m. **remarks:** Fruits bright yellow. Seeds "Taos" type from coast near Hermosillo originally. Sown in May, harvested in September. Cook flesh, toast or grind seeds. Sample donated by Maria Jesus Valenzuela Amavisca and Manuel Morales Rubio. Primitive Cultivar. Seed.
- PI 511903 **donor id:** 851118-03. **origin:** Mexico. **local name:** Calabaza caliente. **collected:** November 18, 1985. **collector id:** 851118-03. **locality:** Sloping farmland of a rancho in Yecora village, Sonora. **latitude:** 28 deg. 20 min. N. **longitude:** 109 deg. 0 min. W. **elevation:** 1580m. **remarks:** Sown in April and May, harvested in September. Plants need less water than C. pepo. Sample doanted by Maria Jesus Valenzuela Amavisca and Manuel Morales Rubio. Primitive Cultivar. Seed.

PI 511897 to 511936-continued

- PI 511904 **donor id:** 851118-04. **origin:** Mexico. **local name:** Calabaza caliente. **collected:** November 18, 1985. **collector id:** 851118-04. **locality:** Sloping farmland of a rancho in Yecora village, Sonora. **latitude:** 28 deg. 20 min. N. **longitude:** 109 deg. 0 min. W. **elevation:** 1580m. **remarks:** Plants need less water than C. pepo. Plant in May, harvested in September. Cook flesh as a sweet; toast or grind seeds. Sample donated by Maria Jesus Valenzuela Amavisca and Manuel Morales Rubio. Primitive Cultivar. Seed.
- PI 511905 **donor id:** 851122-01. **origin:** Mexico. **local name:** Calabaza. **collected:** November 22, 1985. **collector id:** 851122-01. **locality:** Sloping farmland of a rancho, 3km outside of San Bernardo, 53km N of Alamos, Rio Mayo region, Sonora. **latitude:** 27 deg. 25 min. N. **longitude:** 108 deg. 50 min. W. **elevation:** 170m. **remarks:** Fruits bitter. Sown in June and July, harvested in September and October. Cook mature fruits as sweets; dry strips of fruit for later use. Eat seeds. Worms and grasshoppers destroy fruits. Sample donated by Rafael Ochoa Luna. Primitive Cultivar. Seed.
- PI 511906 **donor id:** 851122-02. **origin:** Mexico. **local name:** Calabaza. **collected:** November 22, 1985. **collector id:** 851122-02. **locality:** Sloping farmland of a rancho, 3km outside of San Bernardo, 53km N of Alamos, San Mayo region, Sonora. **latitude:** 27 deg. 25 min. N. **longitude:** 108 deg. 50 min. W. **elevation:** 170m. **remarks:** Fruits bitter. Sown in June and July, harvested in September and October. Cook mature fruits as sweets; dry strips of fruit for later use. Eat seeds. Worms and grasshoppers destroy fruits. Sample donated by Rafael Ochoa Luna. Primitive Cultivar. Seed.
- PI 511907 **donor id:** 851123-03. **origin:** Mexico. **local name:** Arota. **collected:** November 23, 1985. **collector id:** 851123-03. **locality:** Hilly farmland near Las Molinas, 33km N of Alamos, Rio Mayo region, Sonora. **latitude:** 27 deg. 20 min. N. **longitude:** 108 deg. 55 min. W. **elevation:** 150m. **remarks:** Sown in July, harvested in October/November. Low yield in years with low rainfall. Seeds from 1984 harvest. Cook mature flesh and use for sweets. Sample donated by Guadalupe Garcia de Garcia. Primitive Cultivar. Seed.

PI 511897 to 511936-continued

- PI 511908 donor id: 851123-07. origin: Mexico. local name: Calabaza. collected: November 23, 1985. collector id: 851123-07. locality: Hilly farmland in Taymuco village, 23km W of Los Tanques, Sonora. latitude: 27 deg. 15 min. N. longitude: 108 deg. 45 min. W. elevation: 500m. remarks: Sown in July, harvested in October and November. Cook mature flesh, eat toasted seeds. Sample donated by Roberto Ramos Lagarda. Primitive Cultivar. Seed.
- PI 511909 donor id: 851123-08. origin: Mexico. local name: Calabaza. collected: November 23, 1985. collector id: 851123-08. locality: Hilly farmland in Taymuco village, 23km W of Los Tanques, Sonora. latitude: 27 deg. 15 min. N. longitude: 108 deg. 45 min. W. elevation: 500m. remarks: Sown in July, harvested in October and November. Cook mature flesh, eat toasted seeds. Sample donated by Roberto Ramos Lagarda. Primitive Cultivar. Seed.
- PI 511910 donor id: 851123-09. origin: Mexico. local name: Calabaza. collected: November 23, 1985. collector id: 851123-09. locality: Hilly farmland in Taymuco village, 23km W of Los Tanques, Sonora. latitude: 27 deg. 15 min. N. longitude: 108 deg. 45 min. W. elevation: 500m. remarks: Sown in July, harvested in October and November. Cook mature flesh, eat toasted seeds. Sample donated by Roberto Ramos Lagarda. Primitive Cultivar. Seed.
- PI 511911 donor id: 851123-10. origin: Mexico. local name: Calabaza. collected: November 23, 1985. collector id: 851123-10. locality: Hilly farmland in Taymuco village, 23km W of Los Tanques, Sonora. latitude: 27 deg. 15 min. N. longitude: 108 deg. 45 min. W. elevation: 500m. remarks: Sown in July, harvested in October and November. Cook mature flesh, eat toasted seeds. Sample donated by Roberto Ramos Lagarda. Primitive Cultivar. Seed.
- PI 511912 donor id: 851124-03. origin: Mexico. local name: Arota. collected: November 24, 1985. collector id: 851124-03. locality: Level site on hilly farmland of Rancho del Babo, 39km NW of El Fuerte, Rio Fuerte region, Sinaloa. latitude: 26 deg. 35 min. N. longitude: 108 deg. 20 min. W. elevation: 320m. remarks: Plant more adaptable to varying soil types than Cucurbita moschata. Sown in June and July, harvested in October and November. Cook mature fruits. Sample donated by Encornacion Torres Legarra. Primitive Cultivar. Seed.

PI 511897 to 511936-continued

- PI 511913 **donor id:** 851124-04. **origin:** Mexico. **local name:** Arota. **collected:** November 24, 1985. **collector id:** 851124-04. **locality:** Level site on hilly farmland of Rancho del Babo, 39km NW of El Fuerte, Rio Fuerte region, Sinaloa. **latitude:** 26 deg. 35 min. N. **longitude:** 108 deg. 20 min. W. **elevation:** 320m. **remarks:** Plant more adaptable to varying soil types than Cucurbita moschata. Sown in June and July, harvested in October and November. Cook mature fruits. Sample donated by Encornacion Torres Legarra. Primitive Cultivar. Seed.
- PI 511914 **donor id:** 851124-06. **origin:** Mexico. **local name:** Arota. **collected:** November 24, 1985. **collector id:** 851124-06. **locality:** Level site on hilly farmland of Rancho del Babo, 39km NW of El Fuerte, Rio Fuerte region, Sinaloa. **latitude:** 26 deg. 35 min. N. **longitude:** 108 deg. 20 min. W. **elevation:** 320m. **remarks:** Plant more adaptable to varying soil types than Cucurbita moschata. Sown in June and July, harvested in October and November. Cook mature fruits. Sample donated by Encornacion Torres Legarra. Primitive Cultivar. Seed.
- PI 511915 **donor id:** 851124-11. **origin:** Mexico. **local name:** Arota (con cascara dura). **collected:** November 24, 1985. **collector id:** 851124-11. **locality:** Hilly farmland of Rancho Guayobitas, 9km N of Choix, Rio Fuerte region, Sinaloa. **latitude:** 26 deg. 45 min. N. **longitude:** 108 deg. 30 min. W. **elevation:** 260m. **remarks:** Plant may be a cross between Cucurbita mixta and Cucurbita palmeri due to presence of hard rind. Sown in July, harvested in October and November. Cook mature flesh as a sweet, toast or grind seeds for a sauce (Pipian). Sample donated by Manuel Pina Corrales. Primitive Cultivar. Seed.
- PI 511916 **donor id:** 851124-12. **origin:** Mexico. **local name:** Arota. **collected:** November 24, 1985. **collector id:** 851124-12. **locality:** Hilly farmland of Rancho Guayobitas, 9km N of Choix, Rio Fuerte region, Sinaloa. **latitude:** 26 deg. 45 min. N. **longitude:** 108 deg. 30 min. W. **elevation:** 260m. **remarks:** Fruits diverse in shape and color. Sown in July, harvested in October and November. Cook mature flesh as a sweet, toast or grind seeds for a sauce (Pipian). Sample donated by Manuel Pina Corrales. Primitive Cultivar. Seed.

PI 511897 to 511936-continued

- PI 511917 donor id: 851124-13. origin: Mexico. local name: Arota. collected: November 24, 1985. collector id: 851124-13. locality: Hilly farmland of Rancho Guayobitas, 9km N of Choix, Rio Fuerte region, Choix, Sinaloa. latitude: 26 deg. 45 min. N. longitude: 108 deg. 30 min. W. elevation: 260m. remarks: Fruits diverse in shape and color. Sown in July, harvested in October and November. Cook mature flesh as a sweet, toast or grind seeds for a sauce (Pipian). Sample donated by Manuel Pina Corrales. Primitive Cultivar. Seed.
- PI 511918 donor id: 851125-07. origin: Mexico. local name: Arota. collected: November 25, 1985. collector id: 851125-07. locality: Level, sandy site on hilly farmland near Palmarito Mineral, 9km N of Mocorito, Rio Mocorito region, Sinaloa. latitude: 25 deg. 35 min. N. longitude: 107 deg. 45 min. W. elevation: 100m. remarks: Sown in July, harvested in November. Cook mature flesh, eat toasted seeds. Sample donated by Geronimo Angulo Cuevas. Primitive Cultivar. Seed.
- PI 511919 donor id: 851125-08. origin: Mexico. local name: Arota. collected: November 25, 1985. collector id: 851125-08. locality: Level, sandy site on hilly farmland near Palmarito Mineral, 9km N of Mocorito, Rio Mocorito region, Sinaloa. latitude: 25 deg. 35 min. N. longitude: 107 deg. 45 min. W. elevation: 100m. remarks: Sown in July, harvested in November. Cook mature flesh, eat toasted seeds. Sample donated by Geronimo Angulo Cuevas. Primitive Cultivar. Seed.
- PI 511920 donor id: 851126-01. origin: Mexico. local name: Arota or Calabaza. collected: November 26, 1985. collector id: 851126-01. locality: Hilly farmland near La Lapara, 19km NE of Badiraquato, Rio Badiraquato region, Sinaloa. latitude: 25 deg. 25 min. N. longitude: 107 deg. 25 min. W. elevation: 350m. remarks: Fruits diverse in shape and color. Sown in July, harvested in October and November. Cook flesh, eat toasted seeds. Sample donated by Humberto Leyva Armenta. Primitive Cultivar. Seed.
- PI 511921 donor id: 851126-02. origin: Mexico. local name: Arota or Calabaza. collected: November 26, 1985. collector id: 851126-02. locality: Hilly farmland near La Lapara, 19km NE of Badiraquato, Rio Badiraquato region, Sinaloa. latitude: 25 deg. 25 min. N. longitude: 107 deg. 25 min. W. elevation: 350m. remarks: Fruits diverse in shape and color. Sown in July, harvested in October and November. Cook mature fruit as a sweet, eat toasted seeds. Sample donated by Humberto Leyva Armenta. Primitive Cultivar. Seed.

PI 511897 to 511936-continued

- PI 511922 **donor id:** 851126-04. **origin:** Mexico. **local name:** Arota or Calabaza pinta. **collected:** November 26, 1985. **collector id:** 851126-04. **locality:** Hilly, sandy farmland near Santiago de los Caballeros, 25km NE of Badiraquato, Rio Badiraquato region, Sinaloa. **latitude:** 25 deg. 25 min. N. **longitude:** 107 deg. 20 min. W. **elevation:** 800m. **remarks:** Sown in July, harvested in October and November. Cook mature flesh as a sweet, eat immature fruits, eat toasted seeds. Sample donated by Fausto Morolloqui Ontiveroz. Primitive Cultivar. Seed.
- PI 511923 **donor id:** 851126-05. **origin:** Mexico. **local name:** Arota or Calabaza pinta. **collected:** November 26, 1985. **collector id:** 851126-05. **locality:** Hilly, sandy farmland near Santiago de los Caballeros, 25km NE of Badiraquato, Rio Badiraquato region, Sinaloa. **latitude:** 25 deg. 25 min. N. **longitude:** 107 deg. 20 min. W. **elevation:** 800m. **remarks:** Sown in July, harvested in October and November. Cook mature fruits as a sweet, eat immature fruits, eat toasted seeds. Donated by Fausto Morolloqui Ontiveroz. Primitive Cultivar. Seed.
- PI 511924 **donor id:** 851126-07. **origin:** Mexico. **local name:** Calabaza. **collected:** November 26, 1985. **collector id:** 851126-07. **locality:** Level site on hilly, sandy farmland near Santiago de los Caballeros, 25km NE of Badiraquato, Rio Badiraquato region, Sinaloa. **latitude:** 25 deg. 25 min. N. **longitude:** 107 deg. 20 min. W. **elevation:** 800m. **remarks:** Fruits diverse in shape and color. Sown in July, harvested in October and November. Sample donated by Romon Laija Inzunsa. Primitive Cultivar. Seed.
- PI 511925 **donor id:** 851127-03. **origin:** Mexico. **local name:** Arota. **collected:** November 27, 1985. **collector id:** 851127-03. **locality:** Level site on hilly, sandy farmland off the road to Presa Sanalona, 6km E of Cabonera, 16km E of Culiacan, Sinaloa. **latitude:** 26 deg. 46 min. N. **longitude:** 107 deg. 09 min. W. **elevation:** 150m. **remarks:** Sown in July, harvested in October and November. Cook mature fruit to eat as a sweet. Primitive Cultivar. Seed.
- PI 511926 **donor id:** 851128-02. **origin:** Mexico. **local name:** Temprana. **collected:** November 28, 1985. **collector id:** 851128-02. **locality:** Hilly, sandy farmland along road to Ajoya, El Platanar, 9km N of San Ignacio, Sinaloa. **latitude:** 24 deg. 0 min. N. **longitude:** 106 deg. 25 min. W. **elevation:** 220m. **remarks:** Sown in July, harvested in October and November. Cook mature flesh as a sweet, variety of ways to use the seeds. Sample donated by Angel Rochin. Primitive Cultivar. Seed.

PI 511897 to 511936-continued

- PI 511927 donor id: 851128-03. origin: Mexico. local name: Temprana. collected: November 28, 1985. collector id: 851128-03. locality: Hilly, sandy farmland along road to Ajoja, El Platanar, 9km N of San Ignacio, Sinaloa. latitude: 24 deg. 0 min. N. longitude: 106 deg. 25 min. W. elevation: 220m. remarks: Sown in July, harvested in October and November. Cook mature flesh as a sweet, variety of ways to use the seeds. Sample donated by Angel Rochin. Primitive Cultivar. Seed.
- PI 511928 donor id: 851128-04. origin: Mexico. local name: Temprana. collected: November 28, 1985. collector id: 851128-04. locality: Hilly, sandy backyard of Manuel Barraza and Estela Delgado de Barraza, El Lodazal, 4km N of San Ignacio toward Ajoja, Sinaloa. latitude: 23 deg. 50 min. N. longitude: 106 deg. 25 min. W. elevation: 210m. remarks: Sown in June, harvested in October and November. Seeds grown for sale, used as snacks and in sauces. Primitive Cultivar. Seed.
- PI 511929 donor id: 851128-05. origin: Mexico. local name: Temprana. collected: November 28, 1985. collector id: 851128-05. locality: Hilly, sandy backyard of Manuel Barraza and Estela Delgado de Barraza, El Lodazal, 4km N of San Ignacio toward Ajoja, Sinaloa. latitude: 23 deg. 50 min. N. longitude: 106 deg. 25 min. W. elevation: 210m. remarks: Sown in June, harvested in October and November. Seeds grown for sale, used as snacks and in sauces. Primitive Cultivar. Seed.
- PI 511930 donor id: 851128-07. origin: Mexico. local name: Temprana. collected: November 28, 1985. collector id: 851128-07. locality: Sloping, sandy backyard of Guadalupe Chavarin Velaquez, La Labor, a village known for its commercial squashes, 12km N of San Ignacio, Sinaloa. latitude: 23 deg. 45 min. N. longitude: 106 deg. 25 min. W. elevation: 200m. remarks: Sown in June, harvested in October and November. Plant fertilized. Grown only for sale of seeds in market. Primitive Cultivar. Seed.
- PI 511931 donor id: 851128-08. origin: Mexico. local name: Temprana. collected: November 28, 1985. collector id: 851128-08. locality: Sloping, sandy backyard of Guadalupe Chavarin Velaquez, La Labor, a village known for its commercial squashes, 12km N of San Ignacio, Sinaloa. latitude: 23 deg. 45 min. N. longitude: 106 deg. 25 min. W. elevation: 200m. remarks: Sown in June, harvested in October and November. Grown only for sale of seeds in market. Primitive Cultivar. Seed.

PI 511897 to 511936-continued

- PI 511932 **donor id:** 851128-10. **origin:** Mexico. **local name:** Tecomata. **collected:** November 28, 1985. **collector id:** 851128-10. **locality:** Level, sandy backyard of Seguado Rodriguez Torres and Guadalupe Perez Salas, Ejido Los Zapotes, 8km N of Rosario, Sinaloa. **latitude:** 23 deg. 10 min. N. **longitude:** 105 deg. 45 min. W. **elevation:** 50m. **remarks:** Fruit hook-shaped. Smooth texture. Sown in June, with the rains, harvested in October and November. Flesh eaten by humans and animals, use seeds in sauces. Primitive Cultivar. Seed.
- PI 511933 **donor id:** 851129-03. **origin:** Mexico. **local name:** Tecomata (de casco duro). **collected:** November 29, 1985. **collector id:** 851129-03. **locality:** Backyard of Francisca Rios Partida. El Ranchito, 17km N of Acaponeta, Nayarit. **latitude:** 22 deg. 45 min. N. **longitude:** 105 deg. 20 min. W. **elevation:** 60m. **remarks:** Sown in June, harvested in September and October. Primitive Cultivar. Seed.
- PI 511934 **donor id:** 860228-02. **origin:** Mexico. **local name:** Pipiana. **collected:** February 28, 1986. **collector id:** 860228-02. **locality:** Purchased from market vendor in Cd. Altamirano, 54km SW of Huetamo, Michoacan, Rio Balsas region, Guerrero. **latitude:** 18 deg. 20 min. N. **longitude:** 100 deg. 40 min. W. **elevation:** 226m. **remarks:** Sown in summer without irrigation, but with rains, harvested in October. Seeds roasted for consumption or ground to prepare sauces. Primitive Cultivar. Seed.
- PI 511935 **donor id:** 860228-06. **origin:** Mexico. **local name:** Pipiana. **collected:** February 28, 1986. **collector id:** 860228-06. **locality:** Purchased from market vendor in Hapehuala, 20km W of Cd. Altamirano, Guerrero. **latitude:** 18 deg. 15 min. N. **longitude:** 100 deg. 32 min. W. **elevation:** 225m. **remarks:** Sown in June, harvested in October and November. Seeds roasted or ground for sauces, immature fruits eaten. Primitive Cultivar. Seed.
- PI 511936 **donor id:** 860228-09. **origin:** Mexico. **local name:** Pipiana. **collected:** February 28, 1986. **collector id:** 860228-09. **locality:** Purchased from market vendor in Teloloapan, 70km W of Arcelia, Teloloapan, Guerrero. **latitude:** 18 deg. 20 min. N. **longitude:** 99 deg. 50 min. W. **elevation:** 1500m. **remarks:** Seeds said to be grown in area. Seeds roasted or ground for sauces, immature fruits eaten as a vegetable. Primitive Cultivar. Seed.

PI 511937 to 511966. Cucurbita moschata (Duch.) Duch. ex Poir.
CUCURBITACEAE Summer squash

Donated by: Merrick, L.C., Department of Vegetable Crops, University of California, Davis, California, United States. **remarks:** Received through IBPGR, Rome, Italy. Received April 15, 1987.

PI 511937 **donor id:** 851113-01. **origin:** Mexico. **local name:** Calabaza de castilla. **collected:** November 13, 1985. **collector id:** 851113-01. **locality:** Level farmland near San Isidro, 30km SE of Cd. Camargo, Chihuahua. **latitude:** 27 deg. 30 min. N. **longitude:** 105 deg. 0 min. W. **elevation:** 1240m. **remarks:** Commercial planting. Plants had all been frost-killed. Fruits vary in size and shape. Sown in March and April, harvested in September and October. Cook mature flesh and eat seeds. Primitive Cultivar. Seed.

PI 511938 **donor id:** 851113-02. **origin:** Mexico. **local name:** Calabaza de castilla. **collected:** November 13, 1985. **collector id:** 851113-02. **locality:** Level farmland near San Isidro, 30km SE of Cd. Camargo, Chihuahua. **latitude:** 27 deg. 30 min. N. **longitude:** 105 deg. 0 min. W. **elevation:** 1240m. **remarks:** Commercial planting. Plants had all been frost-killed. Fruits vary in size and shape. Sown in March and April, harvested in September and October. Cook mature flesh and eat seeds. Primitive Cultivar. Seed.

PI 511939 **donor id:** 851113-03. **origin:** Mexico. **local name:** Calabaza de castilla. **collected:** November 13, 1985. **collector id:** 851113-03. **locality:** Level farmland near San Isidro, 30km SE of Cd. Camargo, Chihuahua. **latitude:** 27 deg. 30 min. N. **longitude:** 105 deg. 0 min. W. **elevation:** 1240m. **remarks:** Commercial planting. Plants had all been frost-killed. Fruits vary in size and shape. Sown in March and April, harvested in September and October. Cook mature flesh and eat seeds. Primitive Cultivar. Seed.

PI 511940 **donor id:** 851113-07. **origin:** Mexico. **local name:** Calabaza de castilla. **collected:** November 13, 1985. **collector id:** 851113-07. **locality:** Roadside market edge of Saucillo village, Chihuahua. Grown on level, irrigated site at Rancho Zaragosa near Cd. Camargo. **latitude:** 28 deg. 0 min. N. **longitude:** 105 deg. 15 min. W. **elevation:** 1220m. **remarks:** Sample is a huge fruit. Much variation in fruit shape. Sown in March and April, harvested in September and October. Cook mature flesh, eat seeds. Primitive Cultivar. Seed.

PI 511937 to 511966-continued

- PI 511941 donor id: 851113-08. origin: Mexico. local name: Calabaza de castilla. collected: November 13, 1985. collector id: 851113-08. locality: Roadside market edge of Saucillo village, Chihuahua. Grown on level, irrigated site at Rancho Zaragosa near Cd. Camargo. latitude: 28 deg. 0 min. N. longitude: 105 deg. 15 min. W. elevation: 1220m. remarks: Sample is a huge fruit. Population shows much variation in fruit shape and size. Sown in March and April, harvested in September and October. Cook mature flesh and eat seeds. Primitive Cultivar. Seed.
- PI 511942 donor id: 851113-11. origin: Mexico. local name: Calabaza de castilla. collected: November 13, 1985. collector id: 851113-11. locality: Roadside market edge of Saucillo village, Chihuahua. Grown on level irrigated site at Rancho Zaragosa near Cd. Camargo. latitude: 28 deg. 0 min. N. longitude: 105 deg. 15 min. W. elevation: 1220m. remarks: Sample of a huge fruit. Sown in March and April, harvested in September and October. Cook mature flesh and eat seeds. Primitive Cultivar. Seed.
- PI 511943 donor id: 851113-14. origin: Mexico. local name: Calabaza cuaresmera, because will last until lent. collected: November 13, 1985. collector id: 851113-14. locality: Level farmland in Ejido Meoqui, 72km S of Chihuahua City, Chihuahua. latitude: 28 deg. 20 min. N. longitude: 105 deg. 30 min. W. elevation: 1160m. remarks: Fruit large and rind tan, bright orange flesh. Sown in March and April, harvested in November. Eat flesh of mature fruit as a sweet, eat seeds. Sample donated by Guillermo Barrio Muela. Primitive Cultivar. Seed.
- PI 511944 donor id: 851113-15. origin: Mexico. local name: Calabaza cuaresmera because will last until lent. collected: November 13, 1985. collector id: 851113-15. locality: Level farmland in Ejido Meoqui, 72km S of Chihuahua City, Meoqui, Chihuahua. latitude: 28 deg. 20 min. N. longitude: 105 deg. 30 min. W. elevation: 1160m. remarks: Fruit large and rind tan, bright orange flesh. Sown in March and April, harvested in November. Eat flesh of mature fruit as a sweet, eat seeds. Sample donated by Guillermo Barrio Muela. Primitive Cultivar. Seed.

PI 511937 to 511966-continued

- PI 511945 donor id: 851123-01. origin: Mexico. local name: Segualca. collected: November 23, 1985. collector id: 851123-01. locality: Hilly farmland in Los Molinas, 33km N of Alamos, Rio Mayo region, Sonora. latitude: 27 deg. 20 min. N. longitude: 108 deg. 55 min. W. elevation: 150m. remarks: Low rainfall yields low seed harvest. Seed from 1984 season. Harvested in October and November. Cook mature flesh especially for sweets. Sample donated by Guadalupe Garcia de Garcia. Primitive Cultivar. Seed.
- PI 511946 donor id: 851124-01. origin: Mexico. local name: Segualca. collected: November 24, 1985. collector id: 851124-01. locality: Level farmland in Ejido Lazaro Cardenas, 29 km E of Los Mochis, toward El Fuerte, Rio Fuerte region, Sinaloa. latitude: 26 deg. 05 min. N. longitude: 108 deg. 50 min. W. elevation: 20m. remarks: Plant grows almost year round due to irrigation used in this hot area. Cook mature flesh. Sample donated by Lamberto Corrales Gajiola. Primitive Cultivar. Seed.
- PI 511947 donor id: 851124-02. origin: Mexico. local name: Segualca. collected: November 24, 1985. collector id: 851124-02. locality: Level farmland in Ejido Lazaro Cardenas, 29 km E of Los Mochis, toward El Fuerte, Rio Fuerte region, Sinaloa. latitude: 26 deg. 05 min. N. longitude: 108 deg. 50 min. W. elevation: 20m. remarks: Plant grows almost year round due to irrigation used in this hot area. Cook mature flesh. Sample donated by Lamberto Corrales Gajiola. Primitive Cultivar. Seed.
- PI 511948 donor id: 851124-07. origin: Mexico. local name: Segualca. collected: November 24, 1985. collector id: 851124-07. locality: Sandy, level farmland on Rancho del Babo, 39km NW of El Fuerte, Rio Fuerte region, Sinaloa. latitude: 26 deg. 35 min. N. longitude: 108 deg. 20 min. W. elevation: 320m. remarks: Plants mature later and are less predictable than Cucurbita mixta. Sown in June and July, harvested in November. Cook mature fruit. Sample donated by Encornacion Torres Legarra. Primitive Cultivar. Seed.
- PI 511949 donor id: 851124-08. origin: Mexico. local name: Segualca. collected: November 24, 1985. collector id: 851124-08. locality: Sandy, level farmland on Rancho del Babo, 39km NW of El Fuerte, Rio Fuerte region, Sinaloa. latitude: 26 deg. 35 min. N. longitude: 108 deg. 20 min. W. elevation: 320m. remarks: Plants mature later, are less predictable and require better soil than Cucurbita mixta. Sown in June and July, harvested in November. Cook mature fruits. Sample donated by Encornacion Torres Legarra. Primitive Cultivar. Seed.

PI 511937 to 511966-continued

- PI 511950 donor id: 851124-09. origin: Mexico. local name: Segualca. collected: November 24, 1985. collector id: 851124-09. locality: Sandy, level farmland on Rancho del Babo, 39km NW of El Fuerte, Rio Fuerte region, Sinaloa. latitude: 26 deg. 35 min. N. longitude: 108 deg. 20 min. W. elevation: 320m. remarks: Plants mature later, are less predictable and require better soil than Cucurbita mixta. Sown in June and July, harvested in November. Cook mature fruits. Sample donated by Encornacion Torres Legarra. Primitive Cultivar. Seed.
- PI 511951 donor id: 851124-14. origin: Mexico. local name: Segualca. collected: November 24, 1985. collector id: 851124-14. locality: Hilly, sandy farmland of Rancho Guayabitas, 9km N of Choix, Rio Fuerte region, Sinaloa. latitude: 26 deg. 45 min. N. longitude: 108 deg. 30 min. W. elevation: 260m. remarks: Fruits diverse in shape. Sown in July, harvested in October and November. Cook mature flesh as a sweet, toast and eat seeds. Sample donated by Manuel Pina Corrales. Primitive Cultivar. Seed.
- PI 511952 donor id: 851124-15. origin: Mexico. local name: Segualca. collected: November 24, 1985. collector id: 851124-15. locality: Hilly, sandy farmland of Rancho Guayabitas, 9km N of Choix, Rio Fuerte region, Sinaloa. latitude: 26 deg. 45 min. N. longitude: 108 deg. 30 min. W. elevation: 260m. remarks: Fruits diverse in shape. Sown in July, harvested in October and November. Cook mature flesh as a sweet, toast and eat seeds. Sample donated by Manuel Pina Corrales. Primitive Cultivar. Seed.
- PI 511953 donor id: 851125-03. origin: Mexico. local name: Segualca. collected: November 25, 1985. collector id: 851125-03. locality: Ditch, near sorghum field, near Guamuchil, 8km W on road to Mocorito, Sinaloa. latitude: 25 deg. 25 min. N. longitude: 108 deg. 0 min. W. elevation: 50m. remarks: Sown in June and July, harvested in October and November. Cook mature fruit as a sweet. Primitive Cultivar. Seed.
- PI 511954 donor id: 851125-04. origin: Mexico. local name: Segualca. collected: November 25, 1985. collector id: 851125-04. locality: Ditch, near sorghum field, near Guamuchil, 8km W on road to Mocorito, Sinaloa. latitude: 25 deg. 25 min. N. longitude: 108 deg. 0 min. W. elevation: 50m. remarks: Sown in June and July, harvested in October and November. Cook mature fruit as a sweet. Primitive Cultivar. Seed.

PI 511937 to 511966-continued

- PI 511955 donor id: 851125-06. origin: Mexico. local name: Segualca. collected: November 25, 1985. collector id: 851125-06. locality: Level backyard of Lorenzo Gastelum Mazo in Palmerito Mineral, 9km N of Mocorito region, Sinaloa. latitude: 25 deg. 35 min. N. longitude: 107 deg. 45 min. W. elevation: 100m. remarks: Plants had few fruits due to animal consumption of plants. Sown in July, harvested in October and November. Cook mature fruits. Powdery mildew present. Virus caused yellow streaks in fruit and vegetative parts. Sample donated by Lorenzo Gastelum Mazo. Primitive Cultivar. Seed.
- PI 511956 donor id: 851125-09. origin: Mexico. local name: Segualca. collected: November 25, 1985. collector id: 851125-09. locality: Level, sandy farmland in Palmerito Mineral, 9km N of Mocorito, Rio Mocorito region, Sinaloa. latitude: 25 deg. 35 min. N. longitude: 107 deg. 45 min. W. elevation: 100m. remarks: Sown in July, harvested in November. Cook mature fruits. Sample donated by Geronimo Agulo Cuevas. Primitive Cultivar. Seed.
- PI 511957 donor id: 851126-06. origin: Mexico. local name: Segualca or Surena. collected: November 26, 1985. collector id: 851126-06. locality: Level, sandy farmland in Santiago de los Caballeros, 25km NE of Badiraquato, Rio Badiraquato region, Sinaloa. latitude: 25 deg. 25 min. N. longitude: 107 deg. 20 min. W. elevation: 800m. remarks: Fruits vary in size and shape. Sown in July, harvested in October/November. Cook mature flesh, toast or grind seeds. Sample donated by Ramon Laija Inzunsa. Primitive Cultivar. Seed.
- PI 511958 donor id: 851126-09. origin: Mexico. local name: Segualca. collected: November 26, 1985. collector id: 851126-09. locality: Level, sandy farmland in La Tascajosa, 6km SE of Badiraquato on road to Otatillos, Rio Badiraquato region, Sinaloa. latitude: 25 deg. 20 min. N. longitude: 107 deg. 30 min. W. elevation: 170m. remarks: Fruits vary in size and shape. Sown in July, harvested in November. Cook mature flesh as a sweet. Sample donated by Feliciano Lara Velaquez. Primitive Cultivar. Seed.

PI 511937 to 511966-continued

- PI 511959 **donor id:** 851126-10. **origin:** Mexico. **local name:** Segualca. **collected:** November 26, 1985. **collector id:** 851126-10. **locality:** Level, sandy farmland in La Tascajosa, 6km SE of Badiraquato on road to Otatillos, Rio Badiraquato region, Sinaloa. **latitude:** 25 deg. 20 min. N. **longitude:** 107 deg. 30 min. W. **elevation:** 170m. **remarks:** Fruits vary in size and shape. Sown in July, harvested in November. Cook mature flesh as a sweet. Sample donated by Feliciano Lara Velazquez. Primitive Cultivar. Seed.
- PI 511960 **donor id:** 851127-02. **origin:** Mexico. **local name:** Segualca. **collected:** November 27, 1985. **collector id:** 851127-02. **locality:** Level, sandy farmland 6km E of Carbonera, 16km E of Culiacan on road to Preso Sanalona, Sinaloa. **latitude:** 24 deg. 26 min. N. **longitude:** 107 deg. 09 min. W. **elevation:** 150m. **remarks:** Sown in July, harvested in October and November. Cook mature fruit to eat as a sweet. Primitive Cultivar. Seed.
- PI 511961 **donor id:** 851127-05. **origin:** Mexico. **local name:** Segualca. **collected:** November 27, 1985. **collector id:** 851127-05. **locality:** Sandy, hilly farmland in La Higuera, 21km E of Culiacan, south of Presa Sanalona, Sinaloa. **latitude:** 24 deg. 46 min. N. **longitude:** 107 deg. 07 min. W. **elevation:** 120m. **remarks:** Sown in July, harvested in October and November. Cook mature fruit to eat as a sweet, rarely eat toasted seeds. Sample donated by Matias Zamudio Beltran. Primitive Cultivar. Seed.
- PI 511962 **donor id:** 851127-06. **origin:** Mexico. **local name:** Segualca. **collected:** November 27, 1985. **collector id:** 851127-06. **locality:** Farmland in La Higuera, 21km E of Culiacan, S of Presa Sanalona, Sinaloa. **latitude:** 24 deg. 46 min. N. **longitude:** 107 deg. 07 min. W. **elevation:** 120m. **remarks:** Cook mature flesh to eat as sweet, rarely toast seeds. Sample donated by Serapio Zamudio Beltran. Primitive Cultivar. Seed.
- PI 511963 **donor id:** 851129-04. **origin:** Mexico. **local name:** Segualca. **collected:** November 29, 1985. **collector id:** 851129-04. **locality:** Hilly region, El Ranchito, 17km N of Acaponeta, Huajicaori, Nayarit. **latitude:** 22 deg. 45 min. N. **longitude:** 105 deg. 20 min. W. **elevation:** 60m. **remarks:** Plant grown in both rainy and dry seasons-June to October and/or November to June. Fruits used as animal fodder. Donated by Francisca Rios Partida. Primitive Cultivar. Seed.

PI 511937 to 511966-continued

PI 511964 donor id: 860228-01. origin: Mexico. local name: Tamalayota. collected: February 28, 1986. collector id: 860228-01. locality: Purchased from vendor at market in Cd. Altamirano, 54km SW of Huetamo, Michoacan, Rio Balsas region, Guerrero. latitude: 18 deg. 20 min. N. longitude: 100 deg. 40 min. W. elevation: 226m. remarks: May be a winter crop because immature fruits are said to be in irrigated fields in area. Mature flesh cooked. Seeds dried and roasted for human consumption. Primitive Cultivar. Seed.

PI 511965 donor id: 860228-04. origin: Mexico. local name: Tamalayota. collected: February 28, 1986. collector id: 860228-04. locality: Purchased at market in Tlapehuala, 20km W of Cd. Altamirano, Rio Balsas region, Guerrero. Reportedly from San Pedro. latitude: 18 deg. 15 min. N. longitude: 100 deg. 32 min. W. elevation: 225m. remarks: Sown in June, harvested in October/November. Mature flesh cooked. Seeds roasted for consumption. Primitive Cultivar. Seed.

PI 511966 donor id: 860228-05. origin: Mexico. local name: Tamalayota. collected: February 28, 1986. collector id: 860228-05. locality: Purchased at market in Tlapehuala, 20km W of Cd. Altamirano, Rio Balsas region, Guerrero. latitude: 18 deg. 15 min. N. longitude: 100 deg. 32 min. W. elevation: 225m. remarks: Sown in June, harvested in October/November. Mature flesh cooked. Seeds roasted for consumption. Primitive Cultivar. Seed.

PI 511967 to 511984. Cucurbita pepo L. CUCURBITACEAE

Donated by: Merrick, L.C., Department of Vegetable Crops, University of California, Davis, California, United States. remarks: Received through IBPGR, Rome, Italy. Received April 15, 1987.

PI 511967 donor id: 851109-02. origin: Mexico. local name: Calabaza. collected: November 09, 1985. collector id: 851109-02. locality: On slope, private residence, Guadalupe y Calvo, Chihuahua. latitude: 26 deg. 10 min. N. longitude: 107 deg. 00 min. W. elevation: 2180m. remarks: Fruit green, roundish, blocky with distinct ridges, garden rainfed and fertilized. Sown June, harvested September. Cook mature flesh, toast or grind seeds to eat. Primitive Cultivar. Seed.

PI 511967 to 511984-continued

- PI 511968 donor id: 851110-10. origin: Mexico. local name: Calabaza. collected: November 10, 1985. collector id: 851110-10. locality: Depression in mountainous region, in clay soil, farmland, village of Nabogame, 10km E of Santa Rosalia, Chihuahua. latitude: 26 deg. 15 min. N. longitude: 106 deg. 55 min. W. elevation: 1850m. remarks: Sown June, harvested September/October. Cook mature flesh, grind or toast seeds. Primitive Cultivar. Seed.
- PI 511969 donor id: 851110-11. origin: Mexico. local name: Calabaza. collected: November 10, 1985. collector id: 851110-11. locality: Depression in mountainous region, in clay soil, farmland, village of Nabogame, 10km E of Santa Rosalia, Chihuahua. latitude: 26 deg. 15 min. N. longitude: 106 deg. 55 min. W. elevation: 1850m. remarks: Sown June, harvested September/October. Cook mature flesh, toast seeds or grind for sauces. Primitive Cultivar. Seed.
- PI 511970 donor id: 851110-23. origin: Mexico. local name: Calabaza (Span.), Imal (Tepehuan), baci (Tarahomara). collected: November 10, 1985. collector id: 851110-23. locality: Mountainous depression, in rocky silt, farmland, village of Nabogame, 10km E of Santa Rosalia, Chihuahua. latitude: 26 deg. 15 min. N. longitude: 106 deg. 55 min. W. elevation: 1850m. remarks: Sample donated by Regina Gutierrez and Hipolite Valenzuela. Primitive Cultivar. Seed.
- PI 511971 donor id: 851111-07. origin: Mexico. local name: Calabaza. collected: November 11, 1985. collector id: 851111-07. locality: Mountain summit, farmland in Santa Rosalia de Abajo, 30km E of Guadalupe y Calvo, Chihuahua. latitude: 26 deg. 15 min. N. longitude: 107 deg. 05 min. W. elevation: 2080m. remarks: Sown in June, harvested October/November. Cook fruit in oven and eat with milk. Sample donated by Guadalupe Saenz de Martinez. Primitive Cultivar. Seed.
- PI 511972 donor id: 851111-13. origin: Mexico. local name: Calabaza. collected: November 11, 1985. collector id: 851111-13. locality: Farmland in Santa Rosalia de Abajo, 30km N of Guadalupe y Calvo, Chihuahua. latitude: 26 deg. 15 min. N. longitude: 107 deg. 05 min. W. elevation: 2080m. remarks: Sown in June, harvested September/October. Cook mature fruit in oven and eat with milk. Sample donated by Guadalupe Saenz de Martinez. Primitive Cultivar. Seed.

PI 511967 to 511984-continued

- PI 511973 donor id: 851111-22. origin: Mexico. local name: Imai (Tepehuan). collected: November 11, 1985. collector id: 851111-22. locality: Mountain slope, farmland, village of Baborigame, Chihuahua. latitude: 26 deg. 30 min. N. longitude: 107 deg. 20 min. W. remarks: Sown in June, harvested October/November. Sample donated by Marciana Molina. Primitive Cultivar. Seed.
- PI 511974 donor id: 851112-02. origin: Mexico. local name: Imai (Tepehuan). collected: November 12, 1985. collector id: 851112-02. locality: Private residence in Baborigame, 65km N of Guadalupe y Calvo, Chihuahua. latitude: 26 deg. 30 min. N. longitude: 107 deg. 20 min. W. elevation: 1900m. remarks: Sown June, harvested September/October. Eat flowers, grind seeds for sauces, eat mature flesh cooked with raw sugar and milk. Sample donated by Maximiliano Quinanes. Primitive Cultivar. Seed.
- PI 511975 donor id: 851112-05. origin: Mexico. local name: Imai (Tepehuan). collected: November 12, 1985. collector id: 851112-05. locality: Mountainous region, village of Baborigame, 65km N of Guadalupe y Calvo, Chihuahua. latitude: 26 deg. 30 min. N. longitude: 107 deg. 20 min. W. elevation: 1900m. remarks: Sown in June, harvested September/October. Mature flesh eaten as a sweet with milk, seeds ground for sauces. Sample donated by Felipa Quinanes. Primitive Cultivar. Seed.
- PI 511976 donor id: 851112-06. origin: Mexico. local name: Imai (Tepehuan). collected: November 12, 1985. collector id: 851112-06. locality: Mountainous region, village of Baborigame, 65km N of Guadalupe y Calvo, Chihuahua. latitude: 26 deg. 30 min. N. longitude: 107 deg. 20 min. W. elevation: 1900m. remarks: Sown in June, harvested September/October. Cook mature flesh, grind seeds for sauces. Sample donated by Andres Herrerez Pena. Primitive Cultivar. Seed.
- PI 511977 donor id: 851112-08. origin: Mexico. local name: Calabaza. collected: November 12, 1985. collector id: 851112-08. locality: Mountainous region, village of Baborigame, 65km N of Guadalupe y Calvo, Chihuahua. latitude: 26 deg. 30 min. N. longitude: 107 deg. 20 min. W. elevation: 1880m. remarks: Sown in June, harvested September/October. Fruit cooked as a sweet, seeds roasted or ground for sauces. Sample donated by Rosalba Chapparo. Grown by Rosario Bueno. Primitive Cultivar. Seed.

PI 511967 to 511984-continued

- PI 511978 **donor id:** 851115-01. **origin:** Mexico. **local name:** Calabaza. **collected:** November 15, 1985. **collector id:** 851115-01. **locality:** Mountain slope, farmland, 45km NW of Tomochic, Ocampo, Chihuahua. **latitude:** 28 deg. 10 min. N. **longitude:** 108 deg. 15 min. W. **elevation:** 2025m. **remarks:** Sown in May, harvested in October. Cook mature flesh, toast or grind seeds for sauces. Primitive Cultivar. Seed.
- PI 511979 **donor id:** 851115-02. **origin:** Mexico. **local name:** Vavuli (Mt. Pima Indian), Calabaza Serrana (Span.). **collected:** November 15, 1985. **collector id:** 851115-02. **locality:** Mountain slope, village of San Isidro, 8km SE of Yepachic, Chihuahua. **latitude:** 28 deg. 25 min. N. **longitude:** 108 deg. 25 min. W. **elevation:** 2000m. **remarks:** Sown in May, harvested in October. Plants rainfed and fertilized. Cook mature flesh as sweets, toast or grind seeds for sauces. Primitive Cultivar. Seed.
- PI 511980 **donor id:** 851115-04. **origin:** Mexico. **local name:** Calabaza. **collected:** November 15, 1985. **collector id:** 851115-04. **locality:** Slope of hill, farmland, Yepachic, Chihuahua. **latitude:** 28 deg. 25 min. N. **longitude:** 108 deg. 25 min. W. **elevation:** 2100m. **remarks:** Sown in May, harvested in October. Prepare sweets from flesh, toast or grind seeds. Sample donated by Martin Contreras and Luz Lozano Mironda. Primitive Cultivar. Seed.
- PI 511981 **donor id:** 851115-05. **origin:** Mexico. **local name:** Calabaza. **collected:** November 15, 1985. **collector id:** 851115-05. **locality:** Slope of hill, farmland, Yepachic, Chihuahua. **latitude:** 28 deg. 25 min. N. **longitude:** 108 deg. 25 min. W. **elevation:** 2100m. **remarks:** Sown in May, harvested in October/November. Prepare sweets from flesh, toast or grind seeds. Sample donated by son of Candido Chavez. Primitive Cultivar. Seed.
- PI 511982 **donor id:** 851116-01. **origin:** Mexico. **local name:** Calabaza. **collected:** November 16, 1985. **collector id:** 851116-01. **locality:** Hill on farmland, Rancho Las Varas, 12km W-SW of Yepachic, Temosachic, Chihuahua. **latitude:** 28 deg. 25 min. N. **longitude:** 108 deg. 30 min. W. **elevation:** 1625m. **remarks:** Sown in May/June, harvested in October/November. Plants rainfed and fertilized chemically and with goat manure. Cook mature flesh, toast or grind seeds. Sample donated by Cruz Castellanos Contreras and Teresa Alvares Orozco. Primitive Cultivar. Seed.

PI 511967 to 511984-continued

PI 511983 donor id: 851116-09. origin: Mexico. local name: Calabaza de la Sierra. collected: November 16, 1985. collector id: 851116-09. locality: Hill on ranch, Maicoba, Sonora. latitude: 28 deg. 20 min. N. longitude: 108 deg. 40 min. W. elevation: 1590m. remarks: Sown in May/June, harvested in October/November. Use cooked flesh in baked sweets, toast or grind seeds. Sample donated by Socorro Coronado Aguila. Primitive Cultivar. Seed.

PI 511984 donor id: 860227-02. origin: Mexico. local name: Calabaza. collected: February 27, 1986. collector id: 860227-02. locality: Hill on farmland, LaVenta, 16km W of Cd. Hidalgo, Rio Balsas region, Michoacan. latitude: 19 deg. 42 min. N. longitude: 100 deg. 45 min. W. elevation: 2170m. remarks: Sown in March, harvested in October. Cook mature flesh, toast seeds. Sample donated by Julian Moreno. Primitive Cultivar. Seed.

PI 511985 to 511994. Cucurbita sororia L. H. Bailey CUCURBITACEAE

Donated by: Merrick, L.C., Department of Vegetable Crops, University of California, Davis, California, United States. remarks: Received through IBPGR, Rome, Italy. Received April 15, 1987.

PI 511985 donor id: 851118-05. origin: Mexico. local name: Calabacilla. collected: November 18, 1985. collector id: 851118-05. locality: Hilly area, dry vines in trees and shrubs, 0.5km E of Santa Rosa, 26km W of Yecora, Sonora. latitude: 28 deg. 20 min. N. longitude: 109 deg. 15 min. W. elevation: 1150m. remarks: Fruits hanging on dry vines. received as: C. palmeri. Wild. Seed.

PI 511986 donor id: 851123-02. origin: Mexico. local name: Chichicayota. collected: November 23, 1985. collector id: 851123-02. locality: Growing wild in planted field of C. mixta at ranch, 3km E of San Bernardo, Sonora. latitude: 27 deg. 25 min. N. longitude: 108 deg. 50 min. W. elevation: 200m. remarks: Fruits bitter. Germinates in June/July, matures September/ October. received as: C. palmeri. Wild. Seed.

PI 511985 to 511994-continued

- PI 511987 **donor id:** 851124-05. **origin:** Mexico. **local name:** Chichicayota. **collected:** November 24, 1985. **collector id:** 851124-05. **locality:** Slope in hilly region, growing wild in cultivated squashes at Rancho del Babo, 39km NW of El Fuerte, Sinaloa. **latitude:** 26 deg. 35 min. N. **longitude:** 108 deg. 20 min. W. **elevation:** 320m. **remarks:** Germinates with June/July rains, mature by October. Folk use: Boil seeds and give water to female dogs to prevent litter abortions. **received as:** C. palmeri. Wild. Seed.
- PI 511988 **donor id:** 851126-11. **origin:** Mexico. **local name:** Chicayota. **collected:** November 26, 1985. **collector id:** 851126-11. **locality:** Level site in hilly region in sandy soil, La Tascajosa, 6km SE of Badiraquato, on road to Otatillos, Rio Badiraquato region, Sinaloa. **latitude:** 25 deg. 20 min. N. **longitude:** 107 deg. 30 min. W. **elevation:** 170m. **remarks:** Fruits bitter. Germinates with rains in approximately July, matures September to November. **received as:** C. palmeri. Wild. Seed.
- PI 511989 **donor id:** 851127-01. **origin:** Mexico. **local name:** Chicayota. **collected:** November 27, 1985. **collector id:** 851127-01. **locality:** Level site in undulating region in sandy soil, roadside, 1 km W of Carbonera, 10km E of Culiacan on road to Presa Sanalona, Sinaloa. **latitude:** 24 deg. 46 min. N. **longitude:** 107 deg. 15 min. W. **elevation:** 80m. **remarks:** Dead vine growing in trees. Fruits bitter. Germinates with rains in July, mature October/November. **received as:** C. palmeri. Wild. Seed.
- PI 511990 **donor id:** 851127-04. **origin:** Mexico. **local name:** Chicayota. **collected:** November 27, 1985. **collector id:** 851127-04. **locality:** Level site in hilly region in sandy soil, farmland, 6km E of Carbonera, 16km E of Culiacan, on road to Presa Sanalona, Sinaloa. **latitude:** 24 deg. 46 min. N. **longitude:** 107 deg. 09 min. W. **elevation:** 150m. **remarks:** Fruits bitter. Germinates with rains in July, matures October/November. **received as:** C. palmeri. Wild. Seed.
- PI 511991 **donor id:** 851127-08. **origin:** Mexico. **local name:** Chicayota. **collected:** November 27, 1985. **collector id:** 851127-08. **locality:** Level site in hilly region in sandy soil in tree near roadside, 6km E of Carbonera, 16km E of Culiacan, on road Sanalona, Sinaloa. **latitude:** 24 deg. 46 min. N. **longitude:** 107 deg. 09 min. W. **elevation:** 150m. **remarks:** Fruits bitter. Peduncles thick. Germinates with July rains, matures October/November. **received as:** C. palmeri. Wild. Seed.

PI 511985 to 511994-continued

PI 511992 donor id: 851128-01. origin: Mexico. local name: Chicayota. collected: November 28, 1985. collector id: 851128-01. locality: Slope in sandy soil, farmland, 2km S of El Platanar, 7km N of San Ignacio on road to Ajoya, San Ignacio, Sinaloa. latitude: 24 deg. 00 min. N. longitude: 106 deg. 25 min. W. elevation: 200m. remarks: Fruits bitter. Germinate with July rains, mature October/ November. Sample donated by Angel Rochin. received as: C. palmeri. Wild. Seed.

PI 511993 donor id: 851128-06. origin: Mexico. local name: Chicayota. collected: November 28, 1985. collector id: 851128-06. locality: Growing on slope in sandy soil along backyard fence, El Lodazal, 4km N of San Ignacio toward Ajoya, San Ignacio, Sinaloa. latitude: 23 deg. 50 min. N. longitude: 106 deg. 25 min. W. elevation: 210m. remarks: Fruit bitter. Sample donated by Manuel Barraza and Estela Delgado de B. received as: C. palmeri. Wild. Seed.

PI 511994 donor id: 851129-01. origin: Mexico. local name: Chicayota. collected: November 29, 1985. collector id: 851129-01. locality: Backyard, 1 km N of Acaponeta, Nayarit. latitude: 22 deg. 30 min. N. longitude: 105 deg. 22 min. W. elevation: 30m. remarks: Fruits bitter. Sample donated by Maria Valdez. received as: C. palmeri. Wild. Seed.

PI 511995 to 511996. *Lagenaria siceraria* (Mol.) Standl. CUCURBITACEAE
Bottle gourd

Donated by: Merrick, L.C., Department of Vegetable Crops, University of California, Davis, California, United States. remarks: Received through IBPGR, Rome, Italy. Received April 15, 1987.

PI 511995 donor id: 851110-19. origin: Mexico. local name: Guaje or Bule (Span.); Hapusi (Tepehuan), Rava (Tarahomara). collected: November 10, 1985. collector id: 851110-19. locality: Mountainous depression, Nabogame community, 10km E of Santa Rosalia, Chihuahua. latitude: 26 deg. 15 min. N. longitude: 106 deg. 55 min. W. elevation: 1850m. remarks: Sown in June, harvested in October. Fruit rind used to make containers. Sample donated by Regina Gutierrez and Hipolite valenzuela. Primitive Cultivar. Seed.

PI 511995 to 511996-continued

PI 511996 donor id: 851122-03. origin: Mexico. local name: Bule. collected: November 22, 1985. collector id: 851122-03. locality: Slope, farmland, outside San Bernardo, 53km N of Alamos, Rio Mayo region, Sonora. latitude: 27 deg. 25 min. N. longitude: 108 deg. 50 min. W. elevation: 170m. remarks: Fruit not observed, but others were large, with long necks. Sown in June/July, harvested in October/November. Clean out seeds and pulp from fruit and use rind to carry and pour water. Primitive Cultivar. Seed.

PI 511997. *Momordica charantia* L. CUCURBITACEAE Balsam pear

Donated by: Merrick, L.C., Department of Vegetable Crops, University of California, Davis, California, United States. remarks: Received through IBPGR, Rome, Italy. Received April 15, 1987.

donor id: 851127-07. origin: Mexico. local name: Pepinito. collected: November 27, 1985. collector id: 851127-07. locality: Growing in depression in hilly region in sandy soil, La Higuera, 21km E of Culiacan, S of Presa Sanalona, Sinaloa. latitude: 24 deg. 46 min. N. longitude: 107 deg. 07 min. W. elevation: 120m. remarks: Vines grow in trees; on fences. Fruit orange and split when ripe. Seeds black with red aril. Children and birds eat the fruits. Wild. Seed.

PI 511998. *Phaseolus amabilis* Standley FABACEAE

Donated by: Merrick, L.C., Department of Vegetable Crops, University of California, Davis, California, United States. remarks: Received through IBPGR, Rome, Italy. Received April 15, 1987.

donor id: 851111-17. origin: Mexico. collected: November 11, 1985. collector id: 851111-17. locality: 2km S of Baborigame, Chihuahua. latitude: 26 deg. 30 min. N. longitude: 107 deg. 20 min. W. elevation: 1960m. remarks: Wild relative of bean. Wild. Seed.

PI 511999 to 512000. *Phaseolus coccineus* L. FABACEAE Scarlet runner bean

Donated by: Merrick, L.C., Department of Vegetable Crops, University of California, Davis, California, United States. remarks: Received through IBPGR, Rome, Italy. Received April 15, 1987.

PI 511999 to 512000-continued

PI 511999 donor id: 851111-01. origin: Mexico. local name: Patol Morado. collected: November 11, 1985. collector id: 851111-01. locality: Mountain summit, private residence in Santa Rosalia de Abajo, 30km N of Guadalupe y Calvo, Chihuahua. latitude: 26 deg. 15 min. N. longitude: 107 deg. 05 min. W. elevation: 2080m. remarks: Sample donated by Jesus Gutierrez. Perennial. Primitive Cultivar. Seed.

PI 512000 donor id: 851111-02. origin: Mexico. local name: Patol Cafe. collected: November 11, 1985. collector id: 851111-02. locality: Mountain summit, private residence in Santa Rosalia de Abajo, 30km N of Guadalupe y Calvo, Chihuahua. latitude: 26 deg. 15 min. N. longitude: 107 deg. 05 min. W. elevation: 2080m. remarks: Sample donated by Jesus Gutierrez. Perennial. Primitive Cultivar. Seed.

PI 512001. *Phaseolus ritensis* M. E. Jones FABACEAE

Donated by: Merrick, L.C., Department of Vegetable Crops, University of California, Davis, California, United States. remarks: Received through IBPGR, Rome, Italy. Received April 15, 1987.

donor id: 851111-18. origin: Mexico. collected: November 11, 1985. collector id: 851111-18. locality: 1 km S of Baborigame community, Chihuahua. latitude: 26 deg. 30 min. N. longitude: 107 deg. 20 min. W. elevation: 1880m. remarks: Wild relative of bean. Wild. Seed.

PI 512002 to 512004. *Phaseolus vulgaris* L. FABACEAE Garden bean

Donated by: Merrick, L.C., Department of Vegetable Crops, University of California, Davis, California, United States. remarks: Received through IBPGR, Rome, Italy. Received April 15, 1987.

PI 512002 donor id: 851110-05. origin: Mexico. local name: Frijol Bayo Laja (Span.), Bavibapikum (Tepehuan). collected: November 10, 1985. collector id: 851110-05. locality: Mountainous depression in clay, Nabogame Community, 10km E of Santa Rosalia, Chihuahua. latitude: 26 deg. 15 min. N. longitude: 106 deg. 55 min. W. elevation: 1850m. remarks: Sown in June, harvested in September/October. Seed cooked as dry bean or green bean. Fruit cooked as green bean. Primitive Cultivar. Seed.

PI 512002 to 512004-continued

PI 512003 donor id: 851111-03. origin: Mexico. local name: Frijol Histaca. collected: November 11, 1985. collector id: 851111-03. locality: Private residence, Santa Rosalia de Abajo, 30km N of Guadalupe y Calvo, Chihuahua. latitude: 26 deg. 15 min. N. longitude: 107 deg. 05 min. W. elevation: 2080m. remarks: Pole bean grown on mountain summit. Sample donated by Jesus Gultierrez. Primitive Cultivar. Seed.

PI 512004 donor id: 851111-05. origin: Mexico. local name: Frijol bayo. collected: November 11, 1985. collector id: 851111-05. locality: Mountain summit, farmland, Santa Rosalia de Abajo, 30km N of Guadalupe y Calvo, Chihuahua. latitude: 26 deg. 15 min. N. longitude: 107 deg. 05 min. W. elevation: 2080m. remarks: Sown in June, harvested in November. Sample donated by Guadalupe Saenz de Martinez. Primitive Cultivar. Seed.

PI 512005 to 512012. *Physalis* sp. SOLANACEAE

Donated by: Merrick, L.C., Department of Vegetable Crops, University of California, Davis, California, United States. remarks: Received through IBPGR, Rome, Italy. Received April 15, 1987.

PI 512005 donor id: 851109-04. origin: Mexico. local name: Tomatillo. collected: November 09, 1985. collector id: 851109-04. locality: Slope of hill, private residence, Guadalupe y Calvo, Chihuahua. latitude: 26 deg. 10 min. N. longitude: 107 deg. 00 min. W. elevation: 2180m. remarks: Plants weedy, not sown, harvest fruits in September/October. Fruits stewed to prepare salsa. Sample donated by Guildardo Morales. Wild. Seed.

PI 512006 donor id: 851110-12. origin: Mexico. local name: Tomatillo. collected: November 10, 1985. collector id: 851110-12. locality: Near cornfields and houses in a mountain depression, in clay, Nabogame community, 10km E of Santa Rosalia, Chihuahua. latitude: 26 deg. 15 min. N. longitude: 106 deg. 55 min. W. elevation: 1850m. remarks: Cook fruits to prepare salsa. Wild. Seed.

PI 512007 donor id: 851111-06. origin: Mexico. local name: Tomatillo silvestre. collected: November 11, 1985. collector id: 851111-06. locality: Mountain summit, farmland, Santa Rosalia de Abajo, 30km N of Guadalupe y Calvo, Chihuahua. latitude: 26 deg. 15 min. N. longitude: 107 deg. 05 min. W. elevation: 2080m. remarks: Sample donated by Guadalupe Saenz de Martinez. Wild. Seed.

PI 512005 to 512012-continued

- PI 512008 donor id: 851111-21. origin: Mexico. local name: Poposkuli (sg.), Voposkuli (pl.). collected: November 11, 1985. collector id: 851111-21. locality: Baborigame, Chihuahua. latitude: 26 deg. 30 min. N. longitude: 107 deg. 20 min. W. elevation: 1880m. remarks: Plants weedy, grown without sowing, germinate around farmland and houses. Fruits harvested to prepare sauces. Sample donated by Marciana Molina. Wild. Seed.
- PI 512009 donor id: 851112-04. origin: Mexico. local name: Popo or Poposokol. collected: November 12, 1985. collector id: 851112-04. locality: Mountainous region, private residence, Baborigame, 65km N of Guadalupe y Calvo, Chihuahua. latitude: 26 deg. 30 min. N. longitude: 107 deg. 20 min. W. elevation: 1900m. remarks: Unsown seeds germinate in June, harvested in September/ October. Fruits cooked to prepare salsa as condiment. Wild. Seed.
- PI 512010 donor id: 851113-12. origin: Mexico. local name: Tomate. collected: November 13, 1985. collector id: 851113-12. locality: Level plain, Rancho Zaragosa, near Cd. Camargo. Purchased at market, Saucillo, Chihuahua. latitude: 28 deg. 00 min. N. longitude: 105 deg. 15 min. W. elevation: 1220m. remarks: Fruits large, cultivated type. Sample donated by Manuel Munoz. Primitive Cultivar. Seed.
- PI 512011 donor id: 851116-06. origin: Mexico. local name: Tomatillo. collected: November 16, 1985. collector id: 851116-06. locality: Slope, private residence, Rancho Las Varas, 12km W-SW of Yepachic, Chihuahua. latitude: 28 deg. 25 min. N. longitude: 108 deg. 30 min. W. elevation: 1625m. remarks: Plants grow wild near house. Fruits harvested in October. Fruits stewed to prepare salsa. Wild. Seed.
- PI 512012 donor id: 851125-01. origin: Mexico. collected: November 25, 1985. collector id: 851125-01. locality: Level site in hills, sandy soil, roadside ditch next to sorghum field, Guamuchil, 8km W on road to Mocorito, Rio Mocorito region, Sinaloa. latitude: 25 deg. 25 min. N. longitude: 108 deg. 00 min. W. elevation: 50m. remarks: Germinates with rains in July, matures by October. Wild. Seed.

PI 512013. *Pisum sativum* L. FABACEAE Garden pea

Donated by: Merrick, L.C., Department of Vegetable Crops, University of California, Davis, California, United States. remarks: Received through IBPGR, Rome, Italy. Received April 15, 1987.

PI 512013-continued

donor id: 851111-15. origin: Mexico. local name: Chicharo. collected: November 11, 1985. collector id: 851111-15. locality: Mountain summit, farmland, Santa Rosalia de Abajo, 30km N of Guadalupe y Calvo, Chihuahua. latitude: 26 deg. 15 min. N. longitude: 107 deg. 05 min. W. elevation: 2080m. remarks: Sample donated by Guadalupe Saenz de Martinez. Primitive Cultivar. Seed.

PI 512014. Sorghum bicolor (L.) Moench POACEAE Sorghum

Donated by: Merrick, L.C., Department of Vegetable Crops, University of California, Davis, California, United States. remarks: Received through IBPGR, Rome, Italy. Received April 15, 1987.

donor id: 851116-05. origin: Mexico. local name: Cana dulce. collected: November 16, 1985. collector id: 851116-05. locality: Slope of hill, Rancho Las Varas, 12km W-SW of Yepachic, Chihuahua. latitude: 28 deg. 25 min. N. longitude: 108 deg. 30 min. W. elevation: 1625m. remarks: Plant rainfed, used fertilizer as well as goat manure. Sown in May/June, harvested October/November. Sweet type. Cane cut and chewed as sweet. Sample donated by Guiz Castellanos Cantreras and Teresa Alvares Orozco. Primitive Cultivar. Seed.

PI 512015. Vicia faba L. FABACEAE Broadbean

Donated by: Merrick, L.C., Department of Vegetable Crops, University of California, Davis, California, United States. remarks: Received through IBPGR, Rome, Italy. Received April 15, 1987.

donor id: 851111-16. origin: Mexico. local name: Haba. collected: November 11, 1985. collector id: 851111-16. locality: Farmland, Santa Rosalia de Abajo, 30km N of Guadalupe y Calvo, Chihuahua. latitude: 26 deg. 15 min. N. longitude: 107 deg. 05 min. W. elevation: 2080m. remarks: Plant growing in mountainous summit. Sample donated by Guadalupe Saenz de Martinez. Primitive Cultivar. Seed.

PI 512016 to 512029. Zea mays L. POACEAE Corn

Donated by: Merrick, L.C., Department of Vegetable Crops, University of California, Davis, California, United States. remarks: Received through IBPGR, Rome, Italy. Received April 15, 1987.

PI 512016 to 512029-continued

- PI 512016 donor id: 851110-13. origin: Mexico. local name: Maiz bofo. collected: November 10, 1985. collector id: 851110-13. locality: Mountainous depression, farmland in Nabogame, 10km E of Santa Rosalina, Chihuahua. latitude: 26 deg. 15 min. N. longitude: 106 deg. 55 min. W. elevation: 1850m. remarks: Sown in June, harvested in September/October. Primitive Cultivar. Seed.
- PI 512017 donor id: 851110-14. origin: Mexico. local name: Maiz Amarillo Duro. collected: November 10, 1985. collector id: 851110-14. locality: Mountainous depression, farmland in Nabogame, 10km E of Santa Rosalia, Chihuahua. latitude: 26 deg. 15 min. N. longitude: 106 deg. 55 min. W. elevation: 1850m. remarks: Sown in June, harvested in September/October. Donated by Clorinda H. (Vivda) de Rivas and Elisa Rodriguez (Vivda) de Melchiar. Primitive Cultivar. Seed.
- PI 512018 donor id: 851110-15. origin: Mexico. local name: Maiz Blanco-Crema Dentada. collected: November 10, 1985. collector id: 851110-15. locality: Mountain depression, farmland, Nabogame, 10km E of Santa Rosalia, Chihuahua. latitude: 26 deg. 15 min. N. longitude: 106 deg. 55 min. W. elevation: 1850m. remarks: Sown in June, harvested in September/October. Sample donated by Clorinda H. (Vivda) de Rivas and Elisa Rodriguez (Vivda) de Melchiar. Primitive Cultivar. Seed.
- PI 512019 donor id: 851111-09. origin: Mexico. local name: Maiz blando. collected: November 11, 1985. collector id: 851111-09. locality: Mountain summit, farmland, Santa Rosalia de Abajo, 30km N of Guadalupe y Calvo, Chihuahua. latitude: 26 deg. 15 min. N. longitude: 107 deg. 05 min. W. elevation: 2080m. remarks: Sown in June, harvested in October/November. Sample donated by Guadalupe Saenz de Martinez. Primitive Cultivar. Seed.
- PI 512020 donor id: 851111-10. origin: Mexico. local name: Maiz duro amarillo. collected: November 11, 1985. collector id: 851111-10. locality: Mountain summit, farmland, Santa Rosalia de Abajo, 30km N of Guadalupe y Calvo, Chihuahua. latitude: 26 deg. 15 min. N. longitude: 107 deg. 05 min. W. elevation: 2080m. remarks: Sown in June, harvested in October/November. Sample donated by Guadalupe Saenz de Martinez. Primitive Cultivar. Seed.

PI 512016 to 512029-continued

- PI 512021 donor id: 851111-11. origin: Mexico. local name: Maiz duro colorado. collected: November 11, 1985. collector id: 851111-11. locality: Mountain summit, farmland, Santa Rosalia de Abajo, 30km N of Guadalupe y Calvo, Chihuahua. latitude: 26 deg. 15 min. N. longitude: 107 deg. 05 min. W. elevation: 2080m. remarks: Sown in June, harvested in September/October. Sample donated by Guadalupe Saenz de Martinez. Primitive Cultivar. Seed.
- PI 512022 donor id: 851111-12. origin: Mexico. local name: Maiz mixto duro. collected: November 11, 1985. collector id: 851111-12. locality: Mountain summit, farmland, Santa Rosalia de Abajo, 30km N of Guadalupe y Calvo, Chihuahua. latitude: 26 deg. 15 min. N. longitude: 107 deg. 05 min. W. elevation: 2080m. remarks: Kernels hard type, various colors blue, brown, red, white, yellow. Sown in June, harvested in September/October. Sample donated by Guadalupe Saenz de Martinez. Primitive Cultivar. Seed.
- PI 512023 donor id: 851111-20. origin: Mexico. local name: Uunui totokaml. collected: November 11, 1985. collector id: 851111-20. other id: GN85-46. locality: Mountain summit, farmland, Baborigame, Guadalupe y Calvo, Chihuahua. latitude: 26 deg. 30 min. N. longitude: 107 deg. 20 min. W. remarks: Kernels cream colored, flint type. Sown in June, harvested October/November. Sample donated by Marciana Molina. Primitive Cultivar. Seed.
- PI 512024 donor id: 851115-03. origin: Mexico. local name: Tuakhunu (Mt. Pima Indian), Maiz blanco (Span.). collected: November 15, 1985. collector id: 851115-03. locality: Mountain slope, farmland, San Isidro, 8km E of Yepachic, Chihuahua. latitude: 28 deg. 25 min. N. longitude: 108 deg. 25 min. W. elevation: 2000m. remarks: Plant rainfed and fertilized. Sown in May, harvested in October. Cook kernels and grind to prepare tortillas. Primitive Cultivar. Seed.
- PI 512025 donor id: 851116-03. origin: Mexico. local name: Huna (Mt. Pima Indian), Maiz dulce (Span.). collected: November 16, 1985. collector id: 851116-03. locality: Slope, farmland, Rancho Las Varas, 12km W-SW of Yepachic, Chihuahua. latitude: 28 deg. 25 min. N. longitude: 108 deg. 30 min. W. elevation: 1625m. remarks: Plant rainfed, use fertilizer as well as goat manure. Sown in May/June, harvested in October/November. Cooked and ground for tortilla preparation. Donated by Julio Casimiro Moreno and Felipa Moreno. Primitive Cultivar. Seed.

PI 512016 to 512029-continued

- PI 512026 donor id: 851116-04. origin: Mexico. local name: Huna (Mt. Pima Indian), Maiz blanco duro (Span.). collected: November 16, 1985. collector id: 851116-04. locality: Slope of hilly farmland, Rancho Las Varas, 12km W-SW of Yepachic, Chihuahua. latitude: 28 deg. 25 min. N. longitude: 108 deg. 30 min. W. elevation: 1625m. remarks: Plant rainfed, use fertilizer as well as goat manure. Sown in May/June, harvested in October/November. Cook and grind for tortillas. Sample donated by Cruz Castellanos Contreras and Teresa Alvares Orozco. Primitive Cultivar. Seed.
- PI 512027 donor id: 851122-04. origin: Mexico. local name: Maiz Duro. collected: November 22, 1985. collector id: 851122-04. locality: Slope of hill, rancho, 3km E of San Bernardo, 53km N of Alamos, Rio Mayo region, Sonora. latitude: 27 deg. 25 min. N. longitude: 108 deg. 50 min. W. elevation: 170m. remarks: Sown in June/July, harvested September/October. Cook and grind for tortillas. Sample donated by Rafael Ochoa Luna. Primitive Cultivar. Seed.
- PI 512028 donor id: 851123-06. origin: Mexico. local name: Maiz de San Juan. collected: November 23, 1985. collector id: 851123-06. locality: Slope of hill, farmland, Taymuco, 23km W of Los Tanques, Sonora. latitude: 27 deg. 15 min. N. longitude: 108 deg. 45 min. W. elevation: 500m. remarks: Sown in July, harvested in October/November. Cook as pinole or tortillas for human consumption, also used for cattle feed. Sample donated by Roberto Ramos Lagarda. Primitive Cultivar. Seed.
- PI 512029 donor id: 851126-03. origin: Mexico. local name: Maiz. collected: November 26, 1985. collector id: 851126-03. locality: Slope of hill in sandy, rocky soil, farmland, La Lapara, 19km NE of Badiraquato, Rio Badiraquato region, Sinaloa. latitude: 25 deg. 25 min. N. longitude: 107 deg. 25 min. W. elevation: 350m. remarks: Sown in July, harvested in October/November. Cook and grind for tortillas, also used for animal feed. Sample donated by Humberto Leyua Armenta. Primitive Cultivar. Seed.

PI 512030. *Zea mays* subsp. *mexicana* (Schrader) Iltis POACEAE Teosinte

Donated by: Merrick, L.C., Department of Vegetable Crops, University of California, Davis, California, United States. remarks: Received through IBPGR, Rome, Italy. Received April 15, 1987.

PI 512030-continued

donor id: 851110-16. **origin:** Mexico. **local name:** Maizillo. **collected:** November 10, 1985. **collector id:** 851110-16. **other id:** GN85-41. **locality:** Mountainous depression, farmland, Nabogame community, 10km E of Santa Rosalia, Chihuahua. **latitude:** 26 deg. 15 min. N. **longitude:** 106 deg. 55 min. W. **elevation:** 1850m. **remarks:** Plants weedy. Sample donated by Clorinda H. (Vivda) de Rivas and Elisa Rodriguez (Vivda) de Melchiar. Wild. Seed.

PI 512031. *Zea mays* L. subsp. *mays* POACEAE Corn

Donated by: Merrick, L.C., Department of Vegetable Crops, University of California, Davis, California, United States. **remarks:** Received through IBPGR, Rome, Italy. Received April 15, 1987.

donor id: 851110-18. **origin:** Mexico. **local name:** Maiz. **collected:** November 10, 1985. **collector id:** 851110-18. **other id:** GN85-43. **locality:** Farmland, Nabogame community, 10km E of Santa Rosalia, Chihuahua. **latitude:** 26 deg. 15 min. N. **longitude:** 106 deg. 55 min. W. **elevation:** 1850m. **remarks:** Sown in June, harvested in September/October. Sample donated by Clorinda H. (Vivda) de Rivas and Elisa Rodriguez (Vivda) de Melchiar. Wild. Seed.

PI 512032 to 512033. *Allium fistulosum* L. LILIACEAE Bunching onion

Donated by: de Vries, T., Department of Biosystematics, Inst. for Horticultural Plant Breeding, P.O. Box 16, 6700 AA Wageningen, Netherlands. Received October 16, 1987.

PI 512032 **donor id:** 84236. **origin:** Soviet Union. **other id:** 76201. **locality:** Botanical Garden, Odessa. Seed.

PI 512033 **donor id:** 84242. **origin:** Czechoslovakia. **other id:** 76135. Seed.

PI 512034. *Allium pseudocepa* Schrenk LILIACEAE

Donated by: de Vries, T., Department of Biosystematics, Inst. for Horticultural Plant Breeding, P.O. Box 16, 6700 AA Wageningen, Netherlands. Received October 16, 1987.

donor id: 771150. **origin:** Soviet Union. **other id:** 65447. **locality:** Botanical Garden, Alma Ata. **received as:** Received as *A. galanthum*. Seed.

PI 512035. *Allium vavilovii* Popov & Vved. LILIACEAE

Donated by: de Vries, T., Department of Biosystematics, Inst. for Horticultural Plant Breeding, P.O. Box 16, 6700 AA Wageningen, Netherlands. Received October 16, 1987.

donor id: 85262. **origin:** Soviet Union. **other id:** 83010.
locality: Botanical Garden, Chorog. Seed.

PI 512036. *Hordeum vulgare* L. POACEAE Barley

Donated by: Wesenberg, D.M., USDA-ARS, Aberdeen Research & Extension Center, P.O. Box AA, Aberdeen, Idaho, United States; and Robbins, G.S., USDA-ARS, Cereal Crops Research Unit, 501 North Walnut Street, Madison, Wisconsin, United States. **remarks:** Cooperative development by USDA-ARS and the Idaho Agricultural Experiment Station. Received October 15, 1987.

donor id: 74Ab10167. **origin:** United States. **cultivar:** LAMONT. **pedigree:** Zephyr/61Ab4965. **other id:** CV-208. **group:** CSR-BARLEY. **other id:** CI 15862. **remarks:** Plants two-rowed, feed type. Maturity midseason. Spikes lax, mid-long to long, rough awned. Aleurone white. Rachilla hairs long. Malting and brewing qualities unacceptable by AMBA. **disease resistance:** Kernel blight. Spring Annual. Cultivar. Seed.

PI 512037. *Hordeum vulgare* L. POACEAE Barley

Donated by: Therrien, M.C., Agriculture Canada Research Station, Box 610, Brandon, Manitoba, Canada. Received October 15, 1987.

donor id: Canada Reg. No. 2834. **origin:** Canada.
cultivar: VIRDEN. **pedigree:** WA6415-66//Bonanza/NDB136///UM67-739R//Bonanza/Dickson.
other id: CV-209. **group:** CSR-BARLEY. **other id:** BT 363.
remarks: Plants six-rowed, feed type. Maturity late. Straw medium height. Spikes mid-long to long, semi-erect, semi-lax with smooth awns. Aleurone white. Rachillas short to mid-long with long hairs. Moderately susceptible to *Ustilago nuda*. Ineligible for Canada Select malting grades. **disease resistance:** *Cochliobolus sativus*, *puccinia graminis* f. sp. *tritici*. Moderate to *Pyrenophora teres*, *Ustilago nigra*, *U. hordeii*. Spring Annual. Cultivar. Seed.

PI 512038. *Avena sativa* L. POACEAE Common oat

Donated by: Frey, K.J., Department of Agronomy, Iowa State University, Ames, Iowa, United States. **remarks:** Cooperative development by the Iowa Agriculture and Home Economics Experiment Station and USDA-ARS. Received October 15, 1987.

origin: United States. **cultivar:** WEBSTER. **pedigree:** Composite of nine isolines through backcrossing with Lang (CI 9257). **other id:** CV-319. **group:** CSR-OATS. **remarks:** Foliage light green. Leaves semi-upright. Panicles equilateral and semi-open. Seeds yellow, nonfluorescent, long, and slender. Lemmas of primary kernels usually awned but separate during threshing. Susceptible to prevalent races of stem rust. **disease resistance:** Crown rust. Moderate to smut. Tolerant to BYDV. Spring Annual. Cultivar. Seed.

PI 512039. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Meyers, Jr., O., Department of Plant and Soil Sciences, Southern Illinois University, Carbondale, Illinois, United States; and Schmidt, M.E., Department of Plant and Soil Sciences, Southern Illinois University, Carbondale, Illinois, United States. **remarks:** Research supported in part by the Illinois Soybean Program Operating Board. Received October 15, 1987.

donor id: LS78W-110. **origin:** United States. **cultivar:** PYRAMID. **pedigree:** Franklin/J74-5. **remarks:** Plants mid-Group IV Maturity, indeterminate. Flowers purple. Pubescence grey. Pods tan. Seeds shiny yellow with imperfect black hila. Seed protein 39.5% and oil 21.3%. Yield high. Moderately susceptible to phytophthora rot and susceptible to brown stem rot. **nematode resistance:** Races 3 and 4 of soybean cyst. Spring Annual. Cultivar. Seed.

PI 512040. *Trifolium repens* L. FABACEAE White clover

Donated by: Knight, W.E., Crop Science Research Laboratory, USDA-ARS, P.O. Box 5367, Mississippi State, Mississippi, United States. **remarks:** Cooperative efforts of USDA-ARS and the Mississippi Agricultural & Forestry Experiment Station. Received October 15, 1987.

PI 512040-continued

donor id: Brown Loam Synthetic No. 2. origin: United States. pedigree: Synthetic of 22 clones. other id: GP-1. group: CSR-CLOVER, WHITE. remarks: Plants have improved persistence. Drought tolerance. disease resistance: Peanut stunt virus & clover yellow vein virus. nematode resistance: Moderate tolerance to N.C. strain of southern root-knot. Perennial. Breeding Material. Seed.

PI 512041 to 512044. Pennisetum glaucum (L.) R. Br. POACEAE Pearl millet

Donated by: Thakur, R.P., ICRISAT, Patancheru P.O., Andhra Pradesh, India. Received October 15, 1987.

PI 512041 donor id: ICMP 1. origin: India. pedigree: J606/J703-1. other id: GP-1. group: CSR-MILLET, PEARL. other id: ICMPES-1. remarks: Multiple disease resistant type. Plants 1.58-1.90m tall. Days to 50% bloom 55-60. Head length 22-25cm. Seed weight 6.5g/1000. disease resistance: Ergot, smut, and downy mildew. Breeding Material. Seed.

PI 512042 donor id: ICMP 2. origin: India. pedigree: J2238/J2210-2. other id: GP-2. group: CSR-MILLET, PEARL. other id: ICMPES-2. remarks: Multiple disease resistant type. Plants 1.37-1.52m tall. Days to 50% bloom 54-58. Head length 21-26cm. Seed weight 6.8g/1000. disease resistance: Ergot, smut, and downy mildew. Breeding Material. Seed.

PI 512043 donor id: ICMP 3. origin: India. pedigree: 700708-1-E-1/J797-1-E-1-2. other id: GP-3. group: CSR-MILLET, PEARL. other id: ICMPES-28. remarks: Multiple disease resistant type. Plants 1.50-1.60m tall. Days to 50% bloom 55-60. Head length 31-32cm. Seed weight 8.2g/1000. disease resistance: Ergot, smut, and downy mildew. Breeding Material. Seed.

PI 512044 donor id: ICMP 4. origin: India. pedigree: 700708-1-E-1/J797-1-E-1-2. other id: GP-4. group: CSR-MILLET, PEARL. other id: ICMPES-32. remarks: Multiple disease resistant type. Plants 1.50-1.60m tall. Days to 50% bloom 52-58. Head length 25-28cm. Seed weight 8.6g/1000. disease resistance: Ergot, smut, and downy mildew. Breeding Material. Seed.

PI 512045 to 512054. *Pennisetum glaucum* (L.) R. Br. POACEAE Pearl millet

Donated by: Thakur, R.P., ICRISAT, Patancheru P.O., Andhra Pradesh, India. Received October 15, 1987.

- PI 512045 donor id: ICML 1. origin: India. pedigree: J606-2/J703-1. other id: GP-5. group: CSR-MILLET, PEARL. other id: ICMPE 13-6-27. remarks: Plant 1.49-1.65m tall. Days 50% bloom 57-59. Head length 21-23cm. Seed weight 5.6g/1000. disease resistance: Ergot. Breeding Material. Seed.
- PI 512046 donor id: ICML 2. origin: India. pedigree: J606-2/J703-1. other id: GP-6. group: CSR-MILLET, PEARL. other id: ICMPE 13-6-30. remarks: Plants 1.50-1.64m tall. Days 50% bloom 56-58. Head length 22-24cm. Seed weight 5.4g/1000. disease resistance: Ergot. Breeding Material. Seed.
- PI 512047 donor id: ICML 3. origin: India. pedigree: J2238/J2210-2. other id: GP-7. group: CSR-MILLET, PEARL. other id: ICMPE 13-6-25. remarks: Plants 1.33-1.49m tall. Days 50% bloom 54-56. Head length 27-29cm. Seed weight 6.5g/1000. disease resistance: Ergot. Breeding Material. Seed.
- PI 512048 donor id: ICML 4. origin: India. pedigree: J2238/J2210-2. other id: GP-8. group: CSR-MILLET, PEARL. other id: ICMPE 13-6-34. remarks: Plants 1.58-1.74m tall. Days 50% bloom 55-57. Head length 26-28cm. Seed weight 6.7g/1000. disease resistance: Ergot. Breeding Material. Seed.
- PI 512049 donor id: ICML 5. origin: India. other id: GP-9. group: CSR-MILLET, PEARL. other id: SSC FS 252-S-4. remarks: Plants 1.30-1.50m tall. Days 50% bloom 48-52. Head length 20-25cm. Seed weight 9.0g/1000. disease resistance: Smut and downy mildew. Breeding Material. Seed.
- PI 512050 donor id: ICML 6. origin: India. other id: GP-10. group: CSR-MILLET, PEARL. other id: ICI 7517-S-1. remarks: Plants 0.85-1.00m tall. Days 50% bloom 51-55. Head length 25-30cm. Seed weight 6.0g/1000. disease resistance: Smut and downy mildew. Breeding Material. Seed.
- PI 512051 donor id: ICML 7. origin: India. other id: GP-11. group: CSR-MILLET, PEARL. other id: EBS 46-1-2-S-2. remarks: Plants 1.35-1.45m tall. Days 50% bloom 42-46. Head length 20-24cm. Seed weight 9.8g/1000. disease resistance: Smut and downy mildew. Breeding Material. Seed.

PI 512045 to 512054-continued

- PI 512052 donor id: ICML 8. origin: India. other id: GP-12.
group: CSR-MILLET, PEARL. other id: EB 112-1-S-1-1.
remarks: Plants 1.40-1.60m tall. Days 50% bloom 51-55.
Head length 20-24cm. Seed weight 8.1g/1000. disease
resistance: Smut and downy mildew. Breeding Material.
Seed.
- PI 512053 donor id: ICML 9. origin: India. other id: GP-13.
group: CSR-MILLET, PEARL. other id: NEP 588-5690-S-8-4.
remarks: Plants 1.50-1.60m tall. Days 50% bloom 43-47.
Head length 25-28cm. Seed weight 7.6g/1000. disease
resistance: Smut and downy mildew. Breeding Material.
Seed.
- PI 512054 donor id: ICML 10. origin: India. other id: GP-14.
group: CSR-MILLET, PEARL. other id: P 489-S-3. remarks:
Plants 1.50-1.80m tall. Days 50% bloom 58-62. Head length
22-26cm. Seed weight 8.3g/1000. disease resistance: Smut
and downy mildew. Breeding Material. Seed.

PI 512055. *Nicotiana tabacum* L. SOLANACEAE Tobacco

Donated by: Pittarelli, G.W., Germplasm Quality & Enhancement Lab.,
USDA-ARS, Beltsville, Maryland, United States; and DeJong, D.W.,
Tobacco Research Laboratory, USDA-ARS, P.O. Box 1555, Oxford, North
Carolina, United States. Received October 15, 1987.

donor id: Bel MS-1. origin: United States. pedigree: Md
609///NC 95//4N N. repanda/SC 72. other id: GP-33.
group: CSR-TOBACCO. remarks: Cytoplasmic male sterile.
Plants genetically stable for white flowers and male
sterility. MS type No. 4-normal appearing anthers void of
pollen. Useful for molecular genetic studies and in
production of hybrid seed. disease resistance: Several.
Breeding Material. Seed.

PI 512056 to 512079. *Pisum sativum* var. *arvense* (L.) Poiret FABACEAE
Field pea

Donated by: Auld, D.L., Dept. of Plant, Soils, and Ent. Sciences,
University of Idaho, Moscow, Idaho, United States. remarks:
Isolines and their genotypes of three cultivars (Cv) and one
breeding line (Bl) differing in leaf morphology. Received October
15, 1987.

PI 512056 to 512079-continued

- PI 512056 donor id: Cv Fenn: AfAf StSt TlTl. origin: United States. other id: GP-037. group: CSR-PEAS. remarks: Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.
- PI 512057 donor id: Cv Fenn: afaf StSt TlTl. origin: United States. other id: GP-038. group: CSR-PEAS. remarks: Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.
- PI 512058 donor id: Cv Fenn: AfAf stst TlTl. origin: United States. other id: GP-039. group: CSR-PEAS. remarks: Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.
- PI 512059 donor id: Cv Fenn: AfAf stst tlTl. origin: United States. other id: GP-040. group: CSR-PEAS. remarks: Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.
- PI 512060 donor id: Cv Fenn: afaf stst TlTl. origin: United States. other id: GP-041. group: CSR-PEAS. remarks: Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.
- PI 512061 donor id: Cv Fenn: afaf StSt tlTl. origin: United States. other id: GP-042. group: CSR-PEAS. remarks: Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.
- PI 512062 donor id: Cv Fenn: AfAf stst tlTl. origin: United States. other id: GP-043. group: CSR-PEAS. remarks: Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.

PI 512056 to 512079-continued

- PI 512063 donor id: Cv Fenn: afaf stst tlTl. origin: United States. other id: GP-044. group: CSR-PEAS. remarks: Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.
- PI 512064 donor id: Cv Melrose: AfAf StSt TlTl. origin: United States. other id: GP-045. group: CSR-PEAS. remarks: Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.
- PI 512065 donor id: Cv Melrose: afaf StSt TlTl. origin: United States. other id: GP-046. group: CSR-PEAS. remarks: Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.
- PI 512066 donor id: Cv Melrose: AfAf stst TlTl. origin: United States. other id: GP-047. group: CSR-PEAS. remarks: Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.
- PI 512067 donor id: Cv Melrose: AfAf StSt tlTl. origin: United States. other id: GP-048. group: CSR-PEAS. remarks: Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.
- PI 512068 donor id: Cv Melrose: afaf stst TlTl. origin: United States. other id: GP-049. group: CSR-PEAS. remarks: Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.
- PI 512069 donor id: Cv Melrose: afaf StSt tlTl. origin: United States. other id: GP-050. group: CSR-PEAS. remarks: Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.

PI 512056 to 512079-continued

- PI 512070 donor id: Cv Melrose: AfAf stst tlTl. origin: United States. other id: GP-051. group: CSR-PEAS. remarks: Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.
- PI 512071 donor id: Cv Melrose: afaf stst tlTl. origin: United States. other id: GP-052. group: CSR-PEAS. remarks: Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.
- PI 512072 donor id: Bl ID 89-1: AfAf StSt TlTl. origin: United States. other id: GP-053. group: CSR-PEAS. remarks: Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.
- PI 512073 donor id: Bl ID 89-1: afaf StSt TlTl. origin: United States. other id: GP-054. group: CSR-PEAS. remarks: Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.
- PI 512074 donor id: Bl ID 89-1: AfAf stst TlTl. origin: United States. other id: GP-055. group: CSR-PEAS. remarks: Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.
- PI 512075 donor id: Bl ID 89-1: AfAf StSt tlTl. origin: United States. other id: GP-056. group: CSR-PEAS. remarks: Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.
- PI 512076 donor id: Bl ID 89-1: afaf stst TlTl. origin: United States. other id: GP-057. group: CSR-PEAS. remarks: Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.

PI 512056 to 512079-continued

PI 512077 **donor id:** Bl ID 89-1: afaf StSt TlTl. **origin:** United States. **other id:** GP-058. **group:** CSR-PEAS. **remarks:** Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.

PI 512078 **donor id:** Bl ID 89-1: AfAf stst tlTl. **origin:** United States. **other id:** GP-059. **group:** CSR-PEAS. **remarks:** Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.

PI 512079 **donor id:** Bl ID 89-1: afaf stst tlTl. **origin:** United States. **other id:** GP-060. **group:** CSR-PEAS. **remarks:** Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.

PI 512080 to 512087. *Pisum sativum* L. subsp. *sativum* FABACEAE Garden pea

Donated by: Auld, D.L., Dept. of Plant, Soils, and Ent. Sciences, University of Idaho, Moscow, Idaho, United States. **remarks:** Isolines and their genotypes of three cultivars (Cv) and one breeding line (Bl) differing in leaf morphology. Received October 15, 1987.

PI 512080 **donor id:** Cv Frogel: AfAf StSt TlTl. **origin:** United States. **other id:** GP-061. **group:** CSR-PEAS. **remarks:** Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.

PI 512081 **donor id:** Cv Frogel: afaf StSt TlTl. **origin:** United States. **other id:** GP-062. **group:** CSR-PEAS. **remarks:** Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.

PI 512082 **donor id:** Cv Frogel: AfAf stst TlTl. **origin:** United States. **other id:** GP-063. **group:** CSR-PEAS. **remarks:** Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.

PI 512080 to 512087-continued

PI 512083 **donor id:** Cv Frogel: AfAf StSt tltl. **origin:** United States. **other id:** GP-064. **group:** CSR-PEAS. **remarks:** Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.

PI 512084 **donor id:** Cv Frogel: afaf stst TlTl. **origin:** United States. **other id:** GP-065. **group:** CSR-PEAS. **remarks:** Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.

PI 512085 **donor id:** Cv Frogel: afaf StSt tltl. **origin:** United States. **other id:** GP-066. **group:** CSR-PEAS. **remarks:** Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.

PI 512086 **donor id:** Cv Frogel: AfAf stst tltl. **origin:** United States. **other id:** GP-067. **group:** CSR-PEAS. **remarks:** Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.

PI 512087 **donor id:** Cv Frogel: afaf stst tltl. **origin:** United States. **other id:** GP-068. **group:** CSR-PEAS. **remarks:** Isolines useful for study of the effect of foliar modification on physiological, pathological, and agronomic/horticultural traits. Facultative Annual. Genetic Material. Seed.

PI 512088 to 512090. *Apodanthera undulata* A. Gray CUCURBITACEAE

Donated by: Merrick, Laura C., Dept. of Vegetable Crops, University of California, Davis, California, United States. Received April 15, 1987.

PI 512088 to 512090-continued

PI 512088 donor id: 841111-06. origin: Mexico. local name: Calabaza loca. collected: November 11, 1984. collector: L. Merrick & Salvador Montes Hdz. collector id: 841111-06. other id: BGCU 760. locality: Along roadside, 1 km S of La Cuarenta, approximately 50km S of Ojuelos de Jalisco, Jalisco. elevation: 1900m. remarks: Large, fleshy root. Leaves rounded and somewhat waxy. Fruits green, rind soft yet tough. Flesh bitter. Seeds dark brown, collected by local people, treated with lime water to remove bitterness, toasted and eaten. insect resistance: Diabrotica beetles feeding on fruits. Perennial. Wild. Seed.

PI 512089 donor id: 841113-01. origin: Mexico. local name: Calabaza hedionda. collected: November 13, 1984. collector: L. Merrick & M. Montes Hdz. collector id: 841113-01. other id: BGCU 765. locality: On road to Neuthla, 4km from Comonfort, at Rancho La Purisima, Guanajuato. elevation: 1790m. remarks: Fruits green with longitudinal stripes of darker green. Rind soft. Seeds thick and brown with white edges. Collected by Dr. Jose A. Laborde. Wild. Seed.

PI 512090 donor id: 841115-04. origin: Mexico. local name: Calabaza hedionda. collected: November 15, 1984. collector: L. Merrick & M. Montes Hdz. collector id: 841115-04. other id: BGCU 768. locality: Rancho San Vicente, 0.5km E of Rincon de Tamayo, Celaya, Guanajuato. elevation: 1750m. remarks: Fruits green turning yellow, shaped like lemons. Medicinal use of fruits: crushed, chopped, left overnight in water and taken for urinary problems. Wild. Seed.

PI 512091. Cucumis anguria L. CUCURBITACEAE

Donated by: Merrick, Laura C., Dept. of Vegetable Crops, University of California, Davis, California, United States. Received April 15, 1987.

donor id: 841126-05. origin: Mexico. local name: Meloncillo. collected: November 26, 1984. collector: L. Merrick, Salvador Montes Hdz. & J.A. Laborde C.. collector id: 841126-05. locality: On road to Ciudad Valles, 7km past Jalpan, in Tancama, Jalpan, Queretaro. remarks: Fruits oblong, spiny, light green to yellow. Growing as roadside weed near cultivated garden plot. Collected by Dr. Jose A. Laborde. Wild. Seed.

PI 512092 to 512093. *Cucurbita ficifolia* Bouche CUCURBITACEAE Figleaf
gourd

Donated by: Merrick, Laura C., Dept. of Vegetable Crops, University
of California, Davis, California, United States. Received April 15,
1987.

PI 512092 donor id: LM285. origin: Mexico. local name:
Chilacayote. collected: August 18, 1981. collector: L.
Merrick. collector id: LM285. locality: Avocado farm in
vicinity of Xalapa, Veracruz. remarks: Fruits large,
oblong. Rind mottled green and white. Flesh white, sweet.
Seeds black. Cultivated. Seed.

PI 512093 donor id: 841111-08. origin: Mexico. local name:
Chilacayote. collected: November 11, 1984. collector:
L. Merrick and Salvador Mantes Hdz. collector id:
841111-08. other id: BGCU 761. locality: Rancho San
Jose' de los Olivos, south of La Cuarenta on road to
Lagos, Jalisco. elevation: 1900m. remarks: Single
oblong, smooth fruit. Rind green and white mottled. Flesh
white. Seeds black. Cultivated. Seed.

PI 512094 to 512098. *Cucurbita foetidissima* H. B. K. CUCURBITACEAE
Buffalo gourd

Donated by: Merrick, Laura C., Dept. of Vegetable Crops, University
of California, Davis, California, United States. Received April 15,
1987.

PI 512094 donor id: LM-280. origin: Mexico. collected: July 28,
1981. collector: L. Merrick. collector id: LM-280.
locality: Monterrey, roadside along highway 85 bypass
near the intersection with highway 40 toward Saltillo,
Nuevo Leon. latitude: 25 deg. 45 min. N. longitude: 100
deg. 20 min. W. remarks: Vine, large, sprawling with
fleshy taproot. Leaves grey green, long and pointed.
Fruits round. Rind green with white stripes. Flesh
bitter, white. Perennial. Wild. Seed.

PI 512095 donor id: 841111-01. origin: Mexico. local name:
Calabacilla hedionda. collected: November 11, 1984.
collector: L. Merrick & Salvador Montes Hdz. collector
id: 841111-01. other id: BGCU#755. locality: Arid area,
along roadside, near a stream and corn field, toward
Dolores Hildalgo, 12km NW of San Miguel de Allende,
Guanajuato. elevation: 1800m. remarks: Plant dead, but
with many fruits. Fruits blanched white, or green, with
white stripes. Flesh bitter. Young plants with long,
pointed grey-green leaves seen in vicinity. Wild. Seed.

PI 512094 to 512098-continued

- PI 512096 **donor id:** 841112-04. **origin:** Mexico. **local name:** Calabaza hedionda. **collected:** November 12, 1984. **collector:** L. Merrick & Salvador Montes Hdz. **collector id:** 841112-04. **other id:** BGCU 764. **locality:** Border of railroad along irrigation ditch for sorghum. On road from Salamanca, 27km W of Celaya, Guanajuato. **elevation:** 1810m. **remarks:** Three fruits from a single plant. Large fleshy tap root. Fruit small, round, green with bitter white flesh. Described by local people as 'camote'. Wild. Seed.
- PI 512097 **donor id:** 841126-01. **origin:** Mexico. **local name:** Calabacilla. **collected:** November 26, 1984. **collector:** L. Merrick & Salvador Montes Hdz. **collector id:** 841126-01. **locality:** Roadside colony on road between Queretaro and Xilitla. San Martin, Guanajuato. **elevation:** 2000m. **remarks:** Single plant with six fruits. Fruit round with bitter flesh. Many immature plants nearby. Wild. Seed.
- PI 512098 **donor id:** 850918-01. **origin:** Mexico. **collected:** September 18, 1984. **collector:** L. Merrick & Salvador Montes Hdz. **collector id:** 850918-01. **locality:** Near crossroad of highway 37 and highway 45. municipal San Juan del Rio, Queretaro. **remarks:** Leaves somewhat lobed. Four fruits, small, round with bitter flesh. Possible introgression with *C. pedatifolia*. Perennial. Wild. Seed.

PI 512099 to 512109. *Cucurbita martinezii* L. H. Bailey CUCURBITACEAE

Donated by: Merrick, Laura C., Dept. of Vegetable Crops, University of California, Davis, California, United States. Received April 15, 1987.

- PI 512099 **donor id:** JA1719. **origin:** Mexico. **local name:** Ts'oopiluthu - (Huasteca, means monkey's t'oop). **collected:** September 9, 1978. **collector:** J. Alcorn. **collector id:** JA1719. **locality:** Tanjasnec, municipal San Antonio, San Luis Potosi. **elevation:** 304.8m. **remarks:** Weed in milpas. Bitter-fleshed gourd. Used as folk remedy to get rid of foreign spirits. Fruit pulp used to wash clothes (sudsy). Wild. Seed.

PI 512099 to 512109-continued

- PI 512100 donor id: JA2981b. origin: Mexico. local name: Ts'oop (Huasteca). collector: J. Alcorn. collector id: JA2981b. locality: Tancuime, municipal Aquismon, San Luis Potosi. elevation: 137.16m. remarks: Bitter-fleshed gourd. Grows only in moist, cool sites. Planted and used as folk remedy to get rid of foreign spirits. Fruit pulp used to wash clothes (sudsy). Cultivated. Seed.
- PI 512101 donor id: LM262. origin: Mexico. collected: August 15, 1981. collector: L. Merrick. collector id: LM262. locality: Near bridge at turn-off to Las Lomas on Coatepec-Totula road, Veracruz. remarks: Last years's bitter fleshed gourd fruits hanging on fence of power plant. Rind green. Flesh white. Immature vines growing nearby in grass. Wild. Seed.
- PI 512102 donor id: LM271. origin: Mexico. local name: Morchete. collected: August 17, 1981. collector: L. Merrick. collector id: LM271. locality: Between Veracruz and Xalopa, 3.7km E of Miradores on highway 40, Veracruz. remarks: Single fruit. Rind whitish-green. Flesh bitter, white. Gourd remaining on dried vine, hanging 7.5m up in roadside tree. Wild. Seed.
- PI 512103 donor id: LM273. origin: Mexico. collected: August 18, 1981. collector: L. Merrick. collector id: LM273. locality: On highway 140, 2km SE of Xalopa towards Veracruz, Veracruz. latitude: 19 deg. 30 min. N. longitude: 96 deg. 55 min. W. remarks: Rind whitish-green, Flesh bitter, white. Last years gourds hanging from tree growing in large roadside dump, many immature plants growing in vicinity. Wild. Seed.
- PI 512104 donor id: LM283. origin: Mexico. local name: Morchete. collected: August 18, 1981. collector: L. Merrick. collector id: LM283. locality: On road between Xalapa and Coatepec, 3.21km south of Instituto Nacional de Investigaciones Sobre Recursos Bioticos, Veracruz. latitude: 19 deg. 30 min. N. longitude: 96 deg. 55 min. W. remarks: Two fruits. Rind green. Flesh bitter, white. Vine hanging in roadside coffee tree. Wild. Seed.
- PI 512105 donor id: MN28990. origin: Mexico. collected: January 23, 1984. collector: Nee & Tayler. collector id: MN28990. locality: On road to Pintotepec, 1 km south of Corral Falso, Veracruz. elevation: 880m. remarks: Gourd with bitter flesh. Wild. Seed.

PI 512099 to 512109-continued

PI 512106 **donor id:** MN29110. **origin:** Mexico. **collected:** January 1984. **collector:** Nee & Taylor. **collector id:** MN29110. **locality:** Roadside, marshy areas of Rio San Marcos, 35km W of Piedras Negras on Highway 130, Veracruz. **elevation:** 150m. **remarks:** Fruit bitter. Pedicel tan, hard. Wild. Seed.

PI 512107 **donor id:** MN29355. **origin:** Mexico. **local name:** Calabacilla del monte. **collected:** February 2, 1984. **collector:** Nee & Taylor. **collector id:** MN29355. **locality:** Coscomatepec, Veracruz. **elevation:** 1480m. **remarks:** Fruits green on dead vines. Flesh white, bitter. Wild. Seed.

PI 512108 **donor id:** 841126-06. **origin:** Mexico. **collected:** November 26, 1984. **collector:** L. Merrick, Salvador Montes Hdz. & J.A. Laborde C.. **collector id:** 841126-06. **locality:** Roadside, on overgrown slope near soccer field, municipal Xilitla, San Luis Potosi. **elevation:** 750m. **remarks:** Two fruits. Flesh bitter. Wild. Seed.

PI 512109 **donor id:** 841127-24. **origin:** Mexico. **local name:** Calabacilla del monte, tima, acualache. **collected:** November 27, 1984. **collector:** L. Merrick, Salvador Montes Hdz. & J.A. Laborde C.. **locality:** Roadside, La Esperanza, 12km from the crossroad of Highway 85 and road to Tanquian, San Luis Potosi. **elevation:** 140m. **remarks:** Vine climbing in orange tree. Fruit flesh bitter. Fruit pulp used as a soap substitute, recommended as a way to get rid of fleas. Wild. Seed.

PI 512110. Cucurbita maxima Duch. CUCURBITACEAE Winter squash

Donated by: Merrick, Laura C., Dept. of Vegetable Crops, University of California, Davis, California, United States. Received April 15, 1987.

donor id: 841111-02. **origin:** Mexico. **local name:** Calabaza de Castilla. **collected:** January 11, 1984. **collector:** L. Merrick, Salvador Montes Hdz.. **collector id:** 841111-02. **other id:** BGCU 756. **locality:** Central market in Dolores Hidalgo, Guanajuato. **remarks:** Single fruit, round, bright orange. Reportedly grown nearby in San Luis de la Paz. C. maxima rarely grown in Mexico. Wild. Seed.

PI 512111 to 512140. Cucurbita mixta Pang. CUCURBITACEAE

Donated by: Merrick, Laura C., Dept. of Vegetable Crops, University of California, Davis, California, United States. Received April 15, 1987.

- PI 512111 donor id: E01-003. origin: United States. collected: 1979. collector: G. Nabhan. collector id: E01-003. locality: Hotevilla, Hopi Indian Reservation, Third mesa, Arizona. remarks: Fruit large, heavy-bottomed flask shape. Peduncle corky. Rind green with yellow & orange blotches. Landrace. Seed.
- PI 512112 donor id: E01-016. origin: Mexico. local name: Calabaza. collected: 1981. collector: G. Nabhan & M. Drees. collector id: E01-016. locality: Ures, Sonora. remarks: Fruits medium-sized. Rind variable, dark green, light green, mottled. Peduncle corky. From germplasm collection of Native Seed/SEARCH, Tucson, Arizona. Cultivated. Seed.
- PI 512113 donor id: E01-025. origin: United States. collected: 1979. collector: G. Nabhan & K. Reichhardt. collector id: E01-025. locality: Hotevilla, Hopi Indian Reservation, Third mesa, Arizona. remarks: Fruit large, heavy bottomed flask shape. Peduncle corky. Rind green with yellow and orange blotches. Landrace. Seed.
- PI 512114 donor id: No. 12041. origin: Nicaragua. collected: 1980. collector id: No. 12041. locality: Playitas, Matagalpa. remarks: Fruits long with tapered neck. Rind green and white mottled stripes. Used primarily as immature vegetable. From CATIE germplasm collection, Turrialba, Costa Rica. Cultivated. Seed.
- PI 512115 donor id: No. 12377. origin: Guatemala. collected: 1981. collector id: No. 12377. locality: Mazatenango, Suchitepequez. remarks: Fruits pear-shaped. Rind green and white mottled striped. From CATIE germplasm collection, Turrialba, Costa Rica. Cultivated. Seed.
- PI 512116 donor id: LM-102. origin: UNKNOWN. cultivar: SILVER-SEEDED GOURD. collected: 1981. collector id: LM-102. locality: Mazatenango, suchitepequez. remarks: From collection of T.W. Whitaker, USDA-LaJolla, CA. Cultivar. Seed.
- PI 512117 donor id: BGCU 520. origin: Mexico. local name: Calabaza pinta. collected: December 27, 1982. collector: Salvador Montes-Hdz. collector id: BGCU 520. other id: 271282-11. locality: Tepec, municipal Amacueca, Jalisco. elevation: 1300m. remarks: Fruit flattened, round with green and white mottled stripes. Peduncle corky, enlarged. Seed.

PI 512111 to 512140-continued

- PI 512118 donor id: LM294B. origin: Mexico. collected: September 30, 1982. collector id: LM294B. locality: Near Mining company airport strip, San Bernardo, 53km N of Alamos, Sonora. latitude: 27 deg. 25 min. N. longitude: 108 deg. 50 min. W. elevation: 300m. remarks: Fruit pear-shaped. Rind white and green-mottled. Peduncle corky, enlarged. Fruit flesh not bitter. Assoc. species *C. sororia* with bitter fruits. Plant probably feral escape from cultivated garden. Wild. Seed.
- PI 512119 donor id: LM297. origin: Mexico. local name: Calabacita. collected: October 1, 1982. collector: L. Merrick, M.Z. Liebman & W. Barclay. collector id: LM297. locality: Central market, Navajoa, Sonora. latitude: 27 deg. 05 min. N. longitude: 109 deg. 30 min. W. elevation: 35m. remarks: Fruit flasked-shaped with green and white mottled stripes. Sold immature for consumption as vegetable. Cultivated. Seed.
- PI 512120 donor id: LM302. origin: Mexico. local name: Calabaza de casco. collected: October 6, 1982. collector: L. Merrick, M.Z. Liebman & W. Barclay. collector id: LM302. locality: Roadside fruit stand between Cd. Camarso and Sucillo, Chihuahua. latitude: 27 deg. 50 min. N. longitude: 105 deg. 15 min. W. elevation: 1220m. remarks: Fruit (1) large, whitish green, enlarged. Peduncle corky. Fruit flesh and seeds consumed. Cultivated. Seed.
- PI 512121 donor id: LM340. origin: Mexico. collected: November 20, 1982. collector: L. Merrick. collector id: LM340. locality: Plan del Rio, on highway 140 between Xalapa and Veracruz. latitude: 19 deg. 20 min. N. longitude: 96 deg. 20 min. W. elevation: 300m. remarks: Fruits white with green mottled stripes. Seeds large, white with broad grey margin. Cultivated for seed production. Seeds consumed as snack or ground to prepare sauces. Fruit fresh used as animal fooder. Cultivated. Seed.
- PI 512122 donor id: LM343. origin: Mexico. local name: Calabaza de pipian. collected: November 20, 1982. collector: L. Merrick. collector id: LM343. locality: Sold as seed in municipal market, Xalapa, Veracruz. remarks: Fruit white with green mottled stripes. Seeds large, white with broad grey origin. Seed roasted or ground and consumed as ingredient in sauces (mole verde). Cultivated. Seed.

PI 512111 to 512140-continued

- PI 512123 donor id: LM345. origin: Mexico. collected: November 20, 1982. collector: L. Merrick. collector id: LM345. locality: Sold as seed in municipal market, Xalapa, Veracruz. remarks: Fruit white with green mottled stripes. Seed long, narrow, white with grey margin. Seed ground and consumed as ingredient in sauces (mole verde). Cultivated. Seed.
- PI 512124 donor id: LM349. origin: Mexico. collected: November 20, 1982. collector: L. Merrick. collector id: LM349. locality: Sold as seed in municipal market, Mexico, D.F., Mexico. remarks: Fruit with green mottled stripes. Seed large, white, with broad grey margin. Reportedly produced at low elevation in Veracruz. Cultivated. Seed.
- PI 512125 donor id: LM364. origin: Mexico. local name: Pepita verde. collected: November 22, 1982. collector: L. Merrick. collector id: LM364. locality: Sold as seed in La Merced central market, Mexico, D.F., Mexico. Reportedly produced at low elevation in the state of Guerrero. remarks: Fruit white with green mottled stripes. Seed long, narrow, white with grey margin. Seed used ground and consumed as ingredient in sauces (mole verde). Cultivated. Seed.
- PI 512126 donor id: LM393. origin: Mexico. local name: Pepita roesa. collected: February 1983. collector: W. Barclay. collector id: LM393. locality: Seeds purchased from municipal market. Elevation 10m Merida, Yucatan. remarks: Seeds white with grey margin. Cultivated. Seed.
- PI 512127 donor id: LM396. origin: United States. cultivar: GOLD STRIPED CUSHAW. collected: 1983. collector id: LM396. remarks: Donated by Glenn Drowns of Seed Savers' Exchange. Cultivar. Seed.
- PI 512128 donor id: LM397. origin: United States. cultivar: GREEN STRIPED CUSHAW. collected: 1983. collector id: LM397. remarks: Donated by Glenn Drowns of Seed Savers' Exchange. Cultivar. Seed.
- PI 512129 donor id: LM398. origin: United States. cultivar: WHITE CUSHAW (CROOKNECK). collected: 1983. collector id: LM398. locality: Glenn Drowns of Seed Savers' Exchange. Cultivar. Seed.
- PI 512130 donor id: LM399. origin: United States. cultivar: JONATHAN WHITE CUSHAW. collected: 1983. collector id: LM399. remarks: Donated by Glenn Drowns of Seed Savers' Exchange. Cultivar. Seed.

PI 512111 to 512140-continued

PI 512131 donor id: MN28744. origin: Mexico. local name: Pepitas. collected: January 12, 1984. collector: M. Nee. collector id: MN28744. locality: Municipal market in Xalalapa, Veracruz. remarks: Seeds white with grey border. Seeds long and narrow. Sold for eating. Cultivated. Seed.

PI 512132 donor id: MN28746. origin: Mexico. local name: Semillas. collected: January 12, 1984. collector: M. Nee. collector id: MN28746. locality: Municipal market in Xalalapa, Veracruz. remarks: Seeds white with wide grey margin. Sold for eating. Cultivated. Seed.

PI 512133 donor id: 841112-02. origin: Mexico. local name: Sopoma. collected: November 12, 1984. collector: L. Merrick & Salvader Montes Hdz. collector id: 841112-02. other id: BGCU#763. locality: Ejido Menores, Guanajuato. elevation: 1850m. remarks: Single bell-shaped fruit, small, green with olive-green and orange spots. Peduncle enlarged. Donor S. Melecio Cuellar. Cultivated. Seed.

PI 512134 donor id: 841115-05. origin: Mexico. local name: Calabaza sopoma. collected: November 15, 1984. collector: L. Merrick & Salvader Montes Hdz. collector id: 841115-05. other id: BGCU 769. locality: Rancho San Vicente, 0.5km E of Rincon de Tamayo, Guanajuato. remarks: Single fruit with green and orange spots, green stripes, flat, round with slight ribbing. Peduncle enlarged. Cultivated. Seed.

PI 512135 donor id: 841115-07. origin: Mexico. local name: Sopoma. collected: November 15, 1984. collector: L. Merrick & Salvader Montes Hdz. collector id: 841115-07. locality: On road to Yuriria, 2km from Salvatierra, Guanajuato. elevation: 1750m. remarks: Fruits two, green and white mottled stripes with blotches of yellow, one round, flattened, one flask-shaped with neck. Peduncles corky. Grown for seed consumption. Cultivated. Seed.

PI 512136 donor id: 841116-01. origin: Mexico. local name: Calabaza. collected: November 16, 1984. collector: L. Merrick & Salvader Montes Hdz. collector id: 841116-01. locality: Granja 'Santa Cecilia', 6km before the crossroad to Abasolo on the road from one rapuato to La Piedad, Guanajuato. elevation: 1700m. remarks: Single, large, flattened, round, cream-tan colored fruit. Others in field variable in color and shape. Cultivated. Seed.

PI 512111 to 512140-continued

PI 512137 donor id: 841117-01. origin: Mexico. local name: Calabaza Pinta or Guayeca. collected: November 17, 1984. collector: L. Merrick & Salvader Montes Hdz. collector id: 841117-01. locality: Central market in Ocotlan, Jalisco, but said to be grown in La Labor Vieja, Jalisco. remarks: Single, round, flattened fruit with mottled stripes and spots, green, orange and cream. Cultivated. Seed.

PI 512138 donor id: 841117-04. origin: Mexico. local name: Guayeca. collected: November 17, 1984. collector: L. Merrick & Salvader Montes Hdz. collector id: 841117-04. locality: Milpa near roadside, 12km from Ocotlan on road to Guadalajara, Jalisco. elevation: 1500m. remarks: Single flat roundish fruit with green and white, mottled, striped rind. Cultivated. Seed.

PI 512139 donor id: 841117-06. origin: Mexico. local name: Calabaza pinta. collected: November 17, 1984. collector: L. Merrick & Salvader Montes Hdz. collector id: 841117-06. locality: From Milpa on steep hillside above town, Mezcala de La Asuncion, near Laguna de Chapala, Jalisco. elevation: 1550m. remarks: Single fruit flask-shaped with short neck. Rind green and white mottled stripes, turning yellow. Cultivated. Seed.

PI 512140 donor id: 841119-01. origin: Mexico. collected: November 19, 1984. collector: L. Merrick & Salvader Montes Hdz. collector id: 841119-01. locality: Roadside Milpa, Michoacan. elevation: 1600m. remarks: Single, flask-shaped fruit. Rind green with a few spots of orange. Peduncle corky. Cultivated. Seed.

PI 512141 to 512183. Cucurbita moschata (Duch.) Duch. ex Poir.
CUCURBITACEAE

Donated by: Merrick, Laura C., Dept. of Vegetable Crops, University of California, Davis, California, United States. Received April 15, 1987.

PI 512141 donor id: LM303. origin: Mexico. local name: Calabaza de Tarahumara. collected: October 16, 1982. collector: L. Merrick, M.Z. Liebman & W. Barclay. collector id: LM303. locality: Roadside fruit stand between Cd. Camarge and Saucillo, Maravilla, Chihuahua. latitude: 27 deg. 50 min. N. longitude: 105 deg. 15 min. W. elevation: 1220m. remarks: Single large, tan fruit with fluted ribs. Fruit flesh and seeds consumed. Cultivated. Seed.

PI 512141 to 512183-continued

- PI 512142 donor id: LM310. origin: Mexico. local name: Calabaza de Castilla. collected: October 16, 1982. collector: L. Merrick, M.Z. Liebman & W. Barclay. collector id: LM310. locality: Vendor, La Merced, Mexico City market. remarks: Single heart shaped fruit, tan with fluted ribs. Said to be grown in Guanajuato. Fruit, flesh and seeds consumed. Cultivated. Seed.
- PI 512143 donor id: LM342. origin: Mexico. collected: November 20, 1982. collector: L. Merrick. collector id: LM342. locality: Municipal market, Xalapa, Veracruz. remarks: Seeds white with tan margin. Cultivated. Seed.
- PI 512144 donor id: LM344. origin: Mexico. collected: November 20, 1982. collector: L. Merrick. collector id: LM344. locality: Municipal market, Xalapa, Veracruz. remarks: Fruit dark green, round with fluted ribs. Seeds white with tan margin. Cultivated. Seed.
- PI 512145 donor id: LM363. origin: Mexico. local name: Calabaza pachona. collected: November 22, 1982. collector: L. Merrick. collector id: LM363. locality: La Merced central market, Mexico City. remarks: Fruit large, tan, round with fluted ribs. Seeds white with tan margins. Said to be produced at high elevation in state of Morelos. Cultivated. Seed.
- PI 512146 donor id: LM365. origin: Mexico. local name: Chinche. collected: November 22, 1982. collector: L. Merrick. collector id: LM365. locality: La Merced, central market, Mexico City. remarks: Seeds white with tan margin. Said to be produced at high elevation in the state of Mexico. Cultivated. Seed.
- PI 512147 donor id: LM366. origin: Mexico. local name: Sopoma. collected: November 30, 1982. collector: L. Merrick & W. Barclay. collector id: LM366. locality: Uruapa, Michoacan. elevation: 1600m. remarks: Fruit dark green, flask-shaped. Seeds white with tan margin. Favored variety for flesh quality. Cultivated. Seed.
- PI 512148 donor id: LM383. origin: Mexico. collected: December 2, 1982. collector: L. Merrick & W. Barclay. collector id: LM383. locality: Near sea level, Zihuatanejo, Guerrero. remarks: Four fruits purchased from vendor, variable in shape with tan rind and bright orange flesh. Favored for preparation of mature fruit flesh as a sweet (dulce). Cultivated. Seed.

PI 512141 to 512183-continued

- PI 512149 donor id: LM384. origin: Mexico. local name: Calabaza de tamala. collected: December 6, 1982. collector: L. Merrick & W. Barclay. collector id: LM384. locality: Municipal market from Mixteca Indian vendor, Pinotepa Nacional, Oaxaca. elevation: 190m. remarks: Fruit large, club-shaped with tan rind and bright orange flesh. Favored for preparation of mature fruit flesh as a sweet (dulce). Cultivated. Seed.
- PI 512150 donor id: LM389. origin: Mexico. local name: Calabaza de tamala. collected: December 10, 1982. collector: L. Merrick. collector id: LM389. locality: Municipal market, Oaxaca, Oaxaca. remarks: Single fruit large, club-shaped with tan rind and bright orange flesh. Cultivated. Seed.
- PI 512151 donor id: LM394. origin: Mexico. local name: Pepita menuda. collected: February 1983. collector: W. Barclay. collector id: LM394. locality: Municipal market, Merida, Yucatan. elevation: 10m. remarks: Seeds small, white with tan margin. Cultivated. Seed.
- PI 512152 donor id: LM400. origin: UNKNOWN. cultivar: GOLDEN CUSHAW. collected: 1983. collector id: LM400. remarks: Donated by Glenn Drowns of Seed Savers' Exchange. Cultivar. Seed.
- PI 512153 donor id: LM401. origin: UNKNOWN. cultivar: TENNESSEE SWEET POTATO. collected: 1983. collector: W. Barclay. collector id: LM401. remarks: Donated by Shumway Seed Co. via Glenn Drowns of Seed Savers' Exchange. Cultivar. Seed.
- PI 512154 donor id: LM406. origin: St Christopher-Nevis-An. local name: Pumpkin. collected: March 1984. collector: Robert Rice. collector id: LM406. locality: Carribbean Island market, St. Kitts. Cultivated. Seed.
- PI 512155 donor id: LM409. origin: Mexico. local name: Pumpkin. collected: 1984. collector: M. McNulty & L. Lewis-McNulty. collector id: LM409. locality: West of Chichen-Itza ruin, 4km S of Chichen, Yucatan. remarks: Feral plant. Wild. Seed.
- PI 512156 donor id: LM414. origin: Mexico. local name: Segualca. collected: November 4, 1984. collector: L. Merrick & A.M. Rea. collector id: LM414. locality: Market in main plaza, Magdalena, 91.7km S of Nogales, Sonora. remarks: Fruit tan, flat, round and ribbed. Cultivated. Seed.

PI 512141 to 512183-continued

- PI 512157 donor id: LM416. origin: Mexico. local name: Segualca. collected: November 4, 1984. collector: L. Merrick & A.M. Rea. collector id: LM416. locality: Market in main plaza, Magdalena. 91.7km S of Nogales, Sonora. remarks: Fruit tan, long, barrel-shaped and ribbed. Cultivated. Seed.
- PI 512158 donor id: LM423. origin: Mexico. collected: November 1984. collector: M.A. Martinez. collector id: LM423. other id: UNAM #60. locality: Xilocuantla, northern sierra of Puebla. elevation: 700-800m. remarks: Fruit small, tan with warty rind. Seed small, white with tan margin. Received from Christina Mapes. Wild. Seed.
- PI 512159 donor id: 841115-02. origin: Mexico. local name: Calabaz de castilla. collected: November 15, 1984. collector: L. Merrick & Salvador Montes Hdz. collector id: 841115-02. other id: BGPU 767. locality: Rancho San Vicente, 0.5km E of Rincon de Tamayo, Guanajuato. elevation: 1750m. remarks: Three fruits, one smooth skin, long cylinder shape, two heart-shaped with ribs. Fruit flesh and seeds eaten. Cultivated. Seed.
- PI 512160 donor id: 841117-05. origin: Mexico. local name: Calabaza de castilla. collected: November 17, 1984. collector: L. Merrick & Salvador Montes Hdz. collector id: 841117-05. locality: Milpa on steep hillside above town, near Laguna de Chapala. Mexcla de la Asuncion, Jalisco. elevation: 1550m. remarks: Single fruit with tan-colored rind. Cultivated. Seed.
- PI 512161 donor id: 841127-01. origin: Mexico. local name: Calabaza de castilla. collected: November 27, 1984. collector: L. Merrick, Salvador Montes Hdz. and J.A. Laborde C.. collector id: 841127-01. locality: Mountainous area, Ejido Plan de Juarez, San Luis Potosi. elevation: 860m. remarks: Two fruits flask-shaped with waxy dark green rind. Cultivated. Seed.
- PI 512162 donor id: 841127-02. origin: Mexico. collected: 1984. collector id: 841127-02. locality: Mountainous area, Ejido Plan de Juarez, San Luis Potosi. remarks: Single fruit, long cylindrical with dark green mottled rind. Cultivar. Seed.
- PI 512163 donor id: 841127-03. origin: Mexico. local name: Calabaza de castilla. collected: November 27, 1984. collector: L. Merrick, Salvador Montes Hdz. and J.A. Laborde C.. collector id: 841127-03. locality: Hillside Milpa, Ejido Plan de Puebla, San Luis Potosi. remarks: Single fruit, round with pronounced fluted ribs. Rind blackish-green. Seed.

PI 512141 to 512183-continued

- PI 512164 donor id: 841127-04. origin: Mexico. local name: Calabaza de castilla. collected: November 27, 1984. collector: L. Merrick, Salvador Montes Hdz. and J.A. Laborde C.. collector id: 841127-04. locality: Ejido Plan de Jarez, San Luis Potosi. elevation: 860m. remarks: Single fruit, oblong, curved with green and tan mottled stripes. Cultivated. Seed.
- PI 512165 donor id: 841127-05. origin: Mexico. local name: Calabaza de Castilla. collected: November 27, 1984. collector: L. Merrick, Salvador Montes Hdz. and J.A. Laborde C.. collector id: 841127-05. locality: Lajoya de Tlaletla, San Luis Potosi. elevation: 1030m. remarks: Single fruit, round with dark green rind. Cultivated. Seed.
- PI 512166 donor id: 841127-06. origin: Mexico. local name: Calabaza de Castilla. collected: November 27, 1984. collector: L. Merrick, Salvador Montes Hdz. and J.A. Laborde C.. collector id: 841127-06. locality: Tlaletla, San Luis Potosi. elevation: 970m. remarks: Single fruit, round, green with yellow flecks. Cultivated. Seed.
- PI 512167 donor id: 841127-07. origin: Mexico. local name: Calabaza de Castilla. collected: November 27, 1984. collector: L. Merrick, Salvador Montes Hdz. and J.A. Laborde C.. collector id: 841127-07. locality: Tlaletla, San Luis Potosi. elevation: 1040m. remarks: Single fruit oblong with shallow ribs and dark green mottled, tan spots. Cultivated. Seed.
- PI 512168 donor id: 841127-08. origin: Mexico. local name: Calabaza de Castilla. collected: November 27, 1984. collector: L. Merrick, Salvador Montes Hdz. and J.A. Laborde C.. collector id: 841127-08. locality: Rancho Nuevo Petatillo, St. Luis Potosi. elevation: 1100m. remarks: Single fruit, round with fluted shallow ribs, green and tan mottled. Cultivated. Seed.
- PI 512169 donor id: 841127-09. origin: Mexico. local name: Calabaza de Castilla. collected: November 27, 1984. collector: L. Merrick, Salvador Montes Hdz. and J.A. Laborde C.. collector id: 841127-09. locality: Rancho Nuevo Petatillo, San Luis Potosi. elevation: 1100m. remarks: Single fruit flat, round. Cultivated. Seed.

PI 512141 to 512183-continued

- PI 512170 donor id: 841127-10. origin: Mexico. local name: Calabaza de Castilla. collected: November 27, 1984. collector: L. Merrick, Salvador Montes Hdz. and J.A. Laborde C.. collector id: 841127-10. locality: Rancho Nuevo Petatillo, San Luis Potosi. elevation: 1100m. remarks: Two Fruits round, flat, dark green warty or dark green with yellow specks. Cultivated. Seed.
- PI 512171 donor id: 841127-11. origin: Mexico. local name: Calabaza de Castilla. collected: November 27, 1984. collector: L. Merrick, Salvador Montes Hdz. and J.A. Laborde C.. collector id: 841127-11. locality: Rancho Tierra Blanca, San Luis Potosi. elevation: 1160m. remarks: Single fruit, large, oblong, tan. Cultivated. Seed.
- PI 512172 donor id: 841127-12. origin: Mexico. local name: Calabaza de Castilla. collected: November 27, 1984. collector: L. Merrick, Salvador Montes Hdz. and J.A. Laborde C.. collector id: 841127-12. locality: Rancho Tierra Blanca, San Luis Potosi. elevation: 1160m. remarks: Single fruit, small, round, flat, dark green. Cultivated. Seed.
- PI 512173 donor id: 841127-13. origin: Mexico. local name: Calabaza de Castilla. collected: November 27, 1984. collector: L. Merrick, Salvador Montes Hdz. and J.A. Laborde C.. collector id: 841127-13. locality: Rancho Tierra Blanca, municipal Xilitla, San Luis Potosi. elevation: 1160m. remarks: Three fruits, pear-shaped, dark green or dark green with tan spots. Cultivated. Seed.
- PI 512174 donor id: 841127-14. origin: Mexico. local name: Calabaza de Castilla. collected: 1984. collector: L.Merrick, Salvador Montes Hdz and J.A. Laborde C.. collector id: 841127-14. locality: Rancho Tierra Blanca, municipal Xilitla, San Luis Potosi. elevation: 1160m. remarks: Three fruits, pear-shaped, dark green, mottled tan. Cultivated. Seed.
- PI 512175 donor id: 841127-15. origin: Mexico. collected: 1984. collector id: 841127-15. locality: Rancho Tierra Blanca, municipal Xilitla, San Luis Potosi. elevation: 1160m. remarks: Two fruits, pear-shaped, dark green, mottled tan. Cultivated. Seed.

PI 512141 to 512183-continued

- PI 512176 donor id: 841127-16. origin: Mexico. local name: Calabaza de Castilla. collected: November 27, 1984. collector: L. Merrick, Salvador Montes Hdz. and J.A. Laborde C.. collector id: 841127-16. locality: La Joya de Tlaletla, municipal Xilitla, San Luis Potosi. elevation: 1030m. remarks: Two fruits round, slightly oblong with shallow ribs, pale tan and green mottling with waxy bloom. Cultivated. Seed.
- PI 512177 donor id: 841127-17. origin: Mexico. local name: Calabaza de Castilla. collected: November 27, 1984. collector: L. Merrick, Salvador Montes Hdz. and J.A. Laborde C.. collector id: 841127-17. locality: Ejido del Nacimiento. Seed said to be from El Refungio, near Ciudad Valles, San Luis Potosi. remarks: Two fruits, round, slightly flattened with shallow ribs, rind dark green with tan mottling. Cultivated. Seed.
- PI 512178 donor id: 841127-18. origin: Mexico. local name: Calabaza de Castilla. collected: November 27, 1984. collector: L. Merrick, Salvador Montes Hdz. and J.A. Laborde C.. collector id: 841127-18. locality: Ejido Huichihuayan, San Luis Potosi, Reportedly from Ciudad Mante, Tamaulipa Tamaulipas, San Luis Potosi. remarks: Single fruit, round with shallow fluted ribs, dark green with tan mottled spots. Cultivated. Seed.
- PI 512179 donor id: 841127-19. origin: Mexico. local name: Calabaza de Castilla. collected: November 27, 1984. collector: L. Merrick, Salvador Montes Hdz. and J.A. Laborde C.. collector id: 841127-19. locality: Ejido La Laguna, municipal Tamazunchale, San Luis Potosi. remarks: Single fruit, oblong with tan rind. Cultivated. Seed.
- PI 512180 donor id: 841127-20. origin: Mexico. local name: Calabaza de Castilla. collected: November 27, 1984. collector: L. Merrick, Salvador Montes Hdz. and J.A. Laborde C.. collector id: 841127-20. locality: Ejido La Laguna, municipal Tamazunchale, San Luis Potosi. remarks: Single fruit round with shallow fluted ribs, dark green mottled tan, turning tan. Cultivated. Seed.
- PI 512181 donor id: 841127-21. origin: Mexico. local name: Calabaza de Castilla. collected: November 27, 1984. collector: L. Merrick, Salvador Montes Hdz. and J.A. Laborde C.. collector id: 841127-21. locality: San Antonio Huitzquilico, municipal Xilitla, San Luis Potosi. remarks: Four fruits round with dark green rind. Cultivated. Seed.

PI 512141 to 512183-continued

PI 512182 donor id: 841127-22. origin: Mexico. local name: Calabaza de Castilla. collected: November 27, 1984. collector: L. Merrick, Salvador Montes Hdz. and J.A. Laborde C.. collector id: 841127-22. locality: San Antonio Huitzquilico, municipal Xilitla, San Luis Potosi. remarks: Seven fruits round to pear-shaped, dark green mottled tan to tan rind color. Cultivated. Seed.

PI 512183 donor id: 841127-23. origin: Mexico. local name: Calabaza de Castilla. collected: November 27, 1984. collector: L. Merrick, Salvador Montes Hdz. and J.A. Laborde C.. collector id: 841127-23. locality: San Antonio Huitzquilico, municipal Xilitla, San Luis Potosi. remarks: Single fruit flask-shaped with dark green and tan mottled stripes and spots. Cultivated. Seed.

PI 512184 to 512193. Cucurbita pepo L. CUCURBITACEAE

Donated by: Merrick, Laura C., Dept. of Vegetable Crops, University of California, Davis, California, United States. Received April 15, 1987.

PI 512184 donor id: LM309. origin: Mexico. local name: Calabaza. collected: October 7, 1982. collector: L. Merrick, M.Z. Liebman & W. Barclay. collector id: LM309. locality: Durango central market, Durango. elevation: 1900m. remarks: Single fruit, oblong blocky with pronounced ribs, green. Purchased from vendor. Fresh fruit and seeds consumed. Cultivated. Seed.

PI 512185 donor id: 841111-03. origin: Mexico. local name: Calabaza india. collected: November 11, 1984. collector: L. Merrick & Salvador Montes Hdz. collector id: 841111-03. other id: BGCU #757. locality: Roadside cornfield, 3km NW of Dolores Hidalgo on road to San Felipe, Guanajuato. elevation: 1900m. remarks: Single fruit, green-grey with pronounced ribs. Temporal (no irrigation) cropping system. Cultivated. Seed.

PI 512186 donor id: 841111-04. origin: Mexico. local name: Calabaza india. collected: November 11, 1984. collector: L. Merrick, Salvador Montes Hdz. collector id: 841111-04. other id: BGCU #758. locality: Roadside cornfield, 30km Nw of San Felipe on road between Dolores Hidalgo and Ocampo, Guanajuato. elevation: 2200m. remarks: Single fruit, green-grey with pronounced ribs. Temporal (no irrigation) cropping system. Cultivated. Seed.

PI 512184 to 512193-continued

- PI 512187 donor id: 841111-05. origin: Mexico. local name: Calabaza india. collected: November 11, 1984. collector: L. Merrick & Salvador Montes Hdz. collector id: 841111-05. other id: BGCU #759. locality: Roadside cornfield, 28km S of Ojuelos on road to Lagos de Moreno, Jalisco. elevation: 2200m. remarks: Single fruit, green-gray with pronounced ribs. Temporal (no irrigation) cropping system. Cultivated. Seed.
- PI 512188 donor id: 841112-01. origin: Mexico. local name: Calabaza india or Calabaza gavilan. collected: November 12, 1984. collector: L. Merrick & Salvador Montes Hdz. collector id: 841112-01. locality: Backyard, Ejido Menores, Guanajuato. elevation: 1850m. remarks: Single fruit, grey-green with pronounced ribs. Donor Sr. Melecio Cuellar. Seeds sold commercially. Cultivated. Seed.
- PI 512189 donor id: 841115-01. origin: Mexico. local name: Calabaza india. collected: November 15, 1984. collector: L. Merrick & Salvador Montes Hdz. collector id: 841115-01. locality: Rancho San Vicente, 0.5km E of Rincon de Tamayo, Guanajuato. elevation: 1750m. remarks: Single fruit green, ribbed with mottled stripes. Fruit flesh and seed eaten by humans and fed to animals. Temporal (no irrigation). Cultivated. Seed.
- PI 512190 donor id: 841115-06. origin: Mexico. local name: Calabaza india. collected: November 15, 1984. collector: L. Merrick & Salvador Montes Hdz. collector id: 841115-06. locality: Rancho San Vicente, 0.5km E of Rincon de Tamayo, Guanajuato. elevation: 1750m. remarks: Single fruit long, large curved and ribbed. No irrigation. Cultivated. Seed.
- PI 512191 donor id: 841120-01. origin: Mexico. collected: November 20, 1984. collector: L. Merrick & Salvador Montes Hdz. collector id: 841120-01. locality: On road to Morelia, 3km from Norota, 14km from Zamora, Michoacan. elevation: 1600-1700m. remarks: Single fruit. Rainfed milpa. Cultivated. Seed.
- PI 512192 donor id: 841126-02. origin: Mexico. local name: Calabaza. collected: November 26, 1984. collector: L. Merrick, Salvador Montes Hdz. & J.A. Laborde C.. collector id: 841126-02. locality: Roadside milpa near San Martin turnoff, highway from Queretaro to Xilitla, Queretaro. elevation: 2000m. remarks: Two fruits round shape, without typical (C. pepo) angular peduncle and lack of ridges on fruit. Cultivated. Seed.

PI 512184 to 512193-continued

PI 512193 donor id: 841126-03. origin: Mexico. local name: Calabaza. collected: November 26, 1984. collector: L. Merrick, Salvador Montes Hdz. & J.A. Laborde C.. collector id: 841126-03. locality: Roadside milpa near San Martin turnoff, highway from Queretaro to Xilitla, Queretaro. elevation: 2000m. remarks: Single fruit long, oblong with ridges. Peduncle angular. Rainfed milpa. Cultivated. Seed.

PI 512194 to 512196. Cucurbita radicans Naudin CUCURBITACEAE

Donated by: Merrick, Laura C., Dept. of Vegetable Crops, University of California, Davis, California, United States. Received April 15, 1987.

PI 512194 donor id: LM424. origin: Mexico. collected: November 18, 1984. collector: L. Merrick. collector id: LM424. locality: In grass next to commercial potato field, 15km SW of Sayula on road to Jiquilpan, Jalisco. elevation: 1900-2000m. remarks: Vine. Perennial tubercles, (small, round, fleshy roots) in addition to fibrous roots, Tubercles collected. No fruits seen. After propagation produced plant with small round, bitter gourds. Fruit green with white mottled stripes. Wild. Seed.

PI 512195 donor id: 841117-02. origin: Mexico. local name: Calabacilla. collected: November 17, 1984. collector: L. Merrick & Salvador Montes Hdz. collector id: 841117-02. locality: Edge of Sorghum irrigation canal, near railroad track, 4km W of Ocotlan on road to Guadalajara, Jalisco. elevation: 1500m. remarks: Plants with tubercles and fibrous root system. Fifteen fruits small, round with bitter flesh. From burned patch. Fruits charred externally but undamaged inside. Perennial. Wild. Seed.

PI 512196 donor id: 841117-03. origin: Mexico. local name: Calabacilla. collected: November 17, 1984. collector: L. Merrick & Salvador Montes Hdz. collector id: 841117-03. locality: Roadside, near Sorghum field and cattle pasture, 11km W of Ocotlan on road to Guadalajara, Jalisco. elevation: 1500m. remarks: Plants with numerous small, round roots (tubercles). Six fruits round, small, with bitter white flesh. Rind green with mottled white stripes and spots. Not used by humans. Cattle eat plants. Perennial. Wild. Seed.

PI 512197 to 512234. Cucurbita sororia L. H. Bailey CUCURBITACEAE

Donated by: Merrick, Laura C., Dept. of Vegetable Crops, University of California, Davis, California, United States. Received April 15, 1987.

- PI 512197 donor id: LM316. origin: Mexico. collected: October 1980. collector: D. Breedlove. collector id: LM316. locality: Acala, Chiapas. latitude: 16 deg. 35 min. N. longitude: 92 deg. 50 min. W. elevation: 400m. remarks: Bitter-fleshed gourd. Wild. Seed.
- PI 512198 donor id: E02-001. origin: Mexico. collected: 1982. collector: P.S. Martin. collector id: E02-001. locality: Guisamopa, 9km S of Amole Canyon. Sonora. remarks: Vine hanging from trees. Single fruit oval-egg shaped, bitter fleshed gourd. Rind mottled green and white striped. Donated by Native Seed/SEARCH. Wild. Seed.
- PI 512199 donor id: E02-003. origin: Mexico. local name: Halawe chipu (Warihió Indian). collected: 1982. collector: Powell. collector id: E02-003. locality: Rancho la Junta, growing in abandoned Warihió Indian garden site, Alamos, Sonora. Wild. Seed.
- PI 512200 donor id: LM293. origin: Mexico. local name: Chichicayote. collected: November 29, 1982. collector: L. Merrick, M.Z. Liebman & Barclay. collector id: LM293. locality: San Bernardo, Rio Mayo Region, 53km N of Alamos, Sonora. latitude: 27 deg. 25 min. N. longitude: 108 deg. 50 min. W. elevation: 300m. remarks: Four fruits, small, round to pear-shaped, green with white mottled stripes, bitter fleshed gourds. Evidence of spontaneous hybridization with *C. mixta*. Plants reportedly common in Sierran foothills nearby. Wild. Seed.
- PI 512201 donor id: LM294A. origin: Mexico. local name: Chichicayote. collected: September 30, 1982. collector: L. Merrick, M.Z. Liebman & Barclay. collector id: LM294A. locality: Mining company airport landing strip, San Bernardo, 53km N of Alamos, Sonora. latitude: 27 deg. 25 min. N. longitude: 108 deg. 50 min. W. elevation: 300m. remarks: Fruit pear-shaped. Size intermediate between wild and cultivated cucurbita. Rind white and green mottled, corky with enlarged peduncle typical of *C. mixta*. Flesh bitter. Evidence of spontaneous hybridization with *C. mixta*. Wild. Seed.

PI 512197 to 512234-continued

- PI 512202 **donor id:** LM323. **origin:** Mexico. **local name:** Calabacilla. **collected:** October 29, 1982. **collector:** L. Merrick, M.Z. Liebman. **collector id:** LM323. **locality:** Along riverbank and abandoned housing lots north of town center, Colima. **latitude:** 19 deg. 15 min. N. **longitude:** 103 deg. 45 min. W. **elevation:** 500m. **remarks:** Vine. Leaves lobed. Fruits 6-9cm long, either round or oblong. Flesh bitter with green and white mottled rind. Seeds reportedly ground for medicinal use to purify water. Wild. Seed.
- PI 512203 **donor id:** LM327. **origin:** Mexico. **local name:** Calabacilla. **collected:** October 30, 1982. **collector:** L. Merrick, M.Z. Liebman. **collector id:** LM327. **locality:** Abandoned housing lots in the southside of town, Colima, Colima. **latitude:** 19 deg. 15 min. N. **longitude:** 103 deg. 45 min. W. **elevation:** 500m. **remarks:** Vine. Leaves lobed. Fruits 6-9cm long, either round or oblong. Flesh bitter with green and white mottled rind. Seeds reportedly ground for medicinal use to purify water. Wild. Seed.
- PI 512204 **donor id:** LM328. **origin:** Mexico. **local name:** Calabacilla. **collected:** October 31, 1982. **collector:** L. Merrick, M.Z. Liebman. **collector id:** LM328. **locality:** Secondary growth vegetation, near drainage ditch in coffee plantation, Rancho El Tabali, at base of Volcan de Nevado, San Antonio, Colima. **latitude:** 19 deg. 25 min. N. **longitude:** 103 deg. 45 min. W. **elevation:** 1150m. **remarks:** Vine. Fruits bitter fleshed with green and white mottled rind. Wild. Seed.
- PI 512205 **donor id:** LM330. **origin:** Mexico. **local name:** Calabacilla. **collected:** October 29, 1982. **collector:** L. Merrick, M.Z. Liebman. **collector id:** LM330. **locality:** Along riverbank and in abandoned housing lots north of town center, Colima, Colima. **latitude:** 19 deg. 15 min. N. **longitude:** 103 deg. 45 min. W. **elevation:** 500m. **remarks:** Vine. Leaves lobed. Fruits 6-9cm long, either round or oblong. Flesh bitter with green and white mottled rind. Seeds reportedly ground for medicinal use to purify water. Wild. Seed.

PI 512197 to 512234-continued

- PI 512206 **donor id:** LM331. **origin:** Mexico. **local name:** Calabacilla. **collected:** October 29, 1982. **collector:** L. Merrick, M.Z. Liebman. **collector id:** LM331. **locality:** Along riverbank and abandoned housing lots north of the town center. Colima, Colima. **latitude:** 19 deg. 15 min. N. **longitude:** 103 deg. 45 min. W. **elevation:** 500m. **remarks:** Vine. Leaves lobed. Fruits 6-9cm long, either round or oblong. Flesh bitter with green and white mottled rind. Seed reportedly ground for medicinal use to purify water. Wild. Seed.
- PI 512207 **donor id:** LM332. **origin:** Mexico. **local name:** Calabacilla. **collected:** October 31, 1982. **collector:** L. Merrick, M.Z. Liebman. **collector id:** LM332. **locality:** Secondary growth vegetation near drainage ditch in coffee plantation. Rancho El Jabali, San Antonio, Colima. **latitude:** 19 deg. 25 min. N. **longitude:** 103 deg. 45 min. W. **elevation:** 1150m. **remarks:** Vine. Fruits bitter fleshed with green and white mottled rind. Wild. Seed.
- PI 512208 **donor id:** LM333. **origin:** Mexico. **local name:** Calabacilla. **collected:** November 2, 1982. **collector:** L. Merrick, M.Z. Liebman. **collector id:** LM333. **locality:** In ocean, bay, near Las Hagas resort, Manzanillo, Colima. **remarks:** Single fruit rind green and white mottled striped. Flesh bitter. Folk use of fruit pulp as a soap substitute to wash clothing. Wild. Seed.
- PI 512209 **donor id:** LM336. **origin:** Mexico. **local name:** Ahuichichi. **collected:** November 3, 1982. **collector:** L. Merrick, M.Z. Liebman. **collector id:** LM336. **locality:** In field near stream in vicinity of central bus station, Autlan, Jalisco. **latitude:** 19 deg. 45 min. N. **longitude:** 104 deg. 20 min. W. **elevation:** 1000m. **remarks:** Vine. Fruit rind green and white mottled striped. Flesh bitter. Medicinal folk use of fruits as remedy against worms in the stomach. Wild. Seed.
- PI 512210 **donor id:** LM337. **origin:** Mexico. **local name:** Calabacilla. **collected:** November 5, 1982. **collector:** L. Merrick, M.Z. Liebman. **collector id:** LM337. **locality:** Overgrown lot in neighborhood on west edge of Tepic, near Parque Loma, Nayarit. **latitude:** 21 deg. 30 min. N. **longitude:** 104 deg. 55 min. W. **elevation:** 915m. **remarks:** Vine. Fruit rind green and white mottled striped. Flesh bitter. Medicinal folk use of fruits as remedy against worms in the stomach. Wild. Seed.

PI 512197 to 512234-continued

- PI 512211 **donor id:** LM338. **origin:** Mexico. **local name:** Calabacilla. **collected:** November 6, 1982. **collector:** L. Merrick, M.Z. Liebman. **collector id:** LM338. **locality:** Abandoned lot near central bus station, Mazatlan, Sinaloa. **latitude:** 23 deg. 15 min. N. **longitude:** 106 deg. 30 min. W. **elevation:** 0m. **remarks:** Vine. Fruits small. Rind green and white mottled striped. Flesh bitter. Wild. Seed.
- PI 512212 **donor id:** LM339. **origin:** Mexico. **local name:** Morchete or Morche. **collected:** November 20, 1982. **collector:** L. Merrick. **collector id:** LM339. **locality:** Near riverbank in overgrown field, on highway 140 between Xalopa and Veracruz, Pan del Rio, Veracruz. **latitude:** 19 deg. 20 min. N. **longitude:** 96 deg. 30 min. W. **elevation:** 300m. **remarks:** Vine. Fruit rind green and white mottled striped. Flesh bitter. Folk use of fruit pulp as soap substitute to wash clothing especially white clothing. Evidence of hybridization with *C. mixta* cultivated nearby. Wild. Seed.
- PI 512213 **donor id:** LM374. **origin:** Mexico. **local name:** Calabacilla or Chicayote. **collected:** December 2, 1982. **collector:** L. Merrick & W. Barclay. **collector id:** LM374. **locality:** North edge of town in roadside dump and secondary vegetation, Zihutlanejo, Guerrero. **latitude:** 17 deg. 40 min. N. **longitude:** 101 deg. 35 min. W. **remarks:** Fruit rind green and white mottled striped. Flesh bitter. Wild. Seed.
- PI 512214 **donor id:** LM376. **origin:** Mexico. **local name:** Calabacilla or Chicayote. **collected:** December 2, 1982. **collector:** L. Merrick & W. Barclay. **collector id:** LM376. **locality:** South side of town in trash heap behind Pacificos Bungalows on steep cliff above beach, Zihuatanejo, Guerrero. **latitude:** 17 deg. 40 min. N. **longitude:** 101 deg. 35 min. W. **remarks:** Fruit rind green and white mottled striped. Flesh bitter. Folk use of fruit pulp as soap substitute to wash clothing, especially white clothing. Wild. Seed.
- PI 512215 **donor id:** LM379. **origin:** Mexico. **local name:** Calabacilla, Chicayote or Calabaza de cayote. **collected:** December 3, 1982. **collector:** L. Merrick & W. Barclay. **collector id:** LM379. **locality:** Hanging in trees and shrubs, Porterillo, Guerrero. **remarks:** Fruit rind green and white mottled striped. Flesh bitter. Wild. Seed.

PI 512197 to 512234-continued

- PI 512216 donor id: LM380. origin: Mexico. local name: Calabacilla, Chicayote or Calabaza de cayote. collected: December 3, 1982. collector: L. Merrick & W. Barclay. collector id: LM380. locality: Morga, SE of Zihuatanejo, Guerrero. remarks: Vine. Fruit rind green and white mottled striped. Flesh bitter. Wild. Seed.
- PI 512217 donor id: LM382. origin: Mexico. local name: Chicayote. collected: December 5, 1982. collector: L. Merrick & W. Barclay. collector id: LM382. locality: Roadside near Rio de la Reina W of town on coast highway, Pinotepa Nacional, Oaxaca. latitude: 16 deg. 20 min. N. longitude: 98 deg. 05 min. W. elevation: 100m. remarks: Vine. Fruit rind green and white mottled stripes. Flesh bitter. Folk use of fruit pulp as a soap substitute and use of seeds (ground) to purify water. Wild. Seed.
- PI 512218 donor id: LM388. origin: Mexico. local name: Cuacualaztla (Zapotec Indian). collected: December 8, 1982. collector: L. Merrick & W. Barclay. collector id: LM388. locality: Near beach N of Puerto Angel along Pacific coast, Playa Zipolite, Oaxaca. latitude: 15 deg. 40 min. N. longitude: 96 deg. 30 min. W. remarks: Vine. Fruit rind green and white mottled striped. Flesh bitter. Folk use of fruit pulp for washing clothes. Wild. Seed.
- PI 512219 donor id: LM392. origin: Mexico. collected: 1982. collector id: LM392. locality: UNAM Biological Research Station, Chamela, Jalisco. remarks: Fruit with green and white mottled rind. Flesh bitter. Seeds donated by Emily Lott of UNAM, Mexico City. Wild. Seed.
- PI 512220 donor id: MN26595. origin: Mexico. collected: April 17, 1983. collector: Nee & Taylor. collector id: MN26595. locality: Along river bank, Banos de Carrizal, Veracruz. elevation: 220m. remarks: Fruit green with mottled, white stripes. Flesh bitter. Seeds tan. Wild. Seed.
- PI 512221 donor id: MN29350. origin: Mexico. collected: February 2, 1984. collector: Nee & Taylor. collector id: MN29350. locality: Pasture, 15km SE of Cuitlahuac, along hwy 150, Veracruz. elevation: 250m. remarks: Fruits green with white mottled stripes, on dead vines. Flesh bitter. Seeds tan. Wild. Seed.
- PI 512222 donor id: MN29593. origin: Mexico. collected: February 22, 1984. collector: Nee & Taylor. collector id: MN29593. locality: 2km south of Boca del Rio, Veracruz. elevation: 5m. remarks: Fruit green with white mottled stripes. Flesh bitter, pale yellow. Seeds tan. Wild. Seed.

PI 512197 to 512234-continued

- PI 512223 **donor id:** MN29664. **origin:** Mexico. **local name:** Morchete. **collected:** February 23, 1984. **collector:** Nee & Taylor. **collector id:** MN29664. **locality:** 4.3km west of Tenenexpan, Veracruz. **elevation:** 100m. **remarks:** Fruit green with white mottled stripes. Flesh bitter. Seeds tan. Eaten by burros and horses, but not by people. Wild. Seed.
- PI 512224 **donor id:** GN-MEX-20. **origin:** Mexico. **collected:** August 13, 1983. **collector:** G.P. Nahan, R. Buhrow & G. Smith. **collector id:** GN-MEX-20. **locality:** Roadside, near Bellavista dumpheap, Tepic, Nayarit. **remarks:** Collected on USDA bean germplasm expedition. Wild. Seed.
- PI 512225 **donor id:** GN8415-03. **origin:** Mexico. **local name:** Chicayote; Adav (Pima). **collected:** February 1, 1984. **collector:** G.P. Nabhan & A. Rea. **collector id:** GN8415-03. **locality:** Onawas village along the Rio Yaqui, 20m from C. moshata/ C. mixta field, Sonora. **latitude:** 28 deg. N. **longitude:** 109 deg. W. **remarks:** Bitter gourds. Wild. Seed.
- PI 512226 **donor id:** GN8416-201. **origin:** Mexico. **local name:** Chicayote; Adav (Pima). **collected:** February 1, 1984. **collector:** G.P. Nabhan & A. Rea. **collector id:** GN8416-201. **locality:** Adjacent to agricultural fields, Onavas village on Rio Yaqui, Sonora. **latitude:** 29 deg. N. **longitude:** 109 deg. W. **remarks:** Hybrid swarm, C. sonoria and C. mixta. Plants variable. Rind color variable. Size variable. Peduncle corky or noncorky. Flesh bitter or nonbitter. Wild. Seed.
- PI 512227 **donor id:** GN8416-202. **origin:** Mexico. **local name:** Chicayote; Adav (Pima). **collected:** February 1, 1984. **collector:** G.P. Nabhan & A. Rea. **collector id:** GN8416-202. **locality:** Adjacent to agricultural fields, Onavas village on Rio Yaqui, Sonora. **latitude:** 29 deg. N. **longitude:** 109 deg. W. **remarks:** Hybrid swarm, C. sonoria and C. mixta. Plants variable. Rind color variable. Size variable. Peduncle corky or noncorky. Flesh bitter or nonbitter. Wild. Seed.
- PI 512228 **donor id:** GN8416-203. **origin:** Mexico. **local name:** Chicayote; Adav (Pima). **collected:** February 1, 1984. **collector:** G.P. Nabhan & A. Rea. **collector id:** GN8416-203. **locality:** Adjacent to agricultural fields, Onavas village on Rio Yaqui, Sonora. **latitude:** 29 deg. N. **longitude:** 109 deg. W. **remarks:** Hybrid swarm, C. sonoria and C. mixta. Plants variable. Rine color variable. Size variable. Peduncle corky or noncorky. Flesh bitter or nonbitter. Wild. Seed.

PI 512197 to 512234-continued

- PI 512229 donor id: GN8416-204. origin: Mexico. local name: Chicayote; Adav (Pima). collected: February 1, 1984. collector: G.P. Nabhan & A. Rea. collector id: GN8416-204. locality: Adjacent to agricultural fields, Onavas village on Rio Yaqui, Sonora. latitude: 29 deg. N. longitude: 109 deg. W. remarks: Hybrid swarm, C. sonoria and C. mixta. Plants variable. Rind color variable. Size variable. Peduncle corky or noncorky. Flesh bitter or nonbitter. Wild. Seed.
- PI 512230 donor id: GN8416-205. origin: Mexico. local name: Chicayote; Adav (Pima). collected: February 1, 1984. collector: G.P. Nabhan & A. Rea. collector id: GN8416-205. locality: Adjacent to agricultural fields, Onavas village on Rio Yaqui, Sonora. latitude: 29 deg. N. longitude: 109 deg. W. remarks: Hybrid swarm, C. sonoria and C. mixta. Plants variable. Rind color variable. Size variable. Peduncle corky or non corky. Flesh bitter or nonbitter. Wild. Seed.
- PI 512231 donor id: GN8416-206. origin: Mexico. local name: Chicayote; Adav (Pima). collected: February 1, 1984. collector: G.P. Nabhan & A. Rea. collector id: GN8416-206. locality: Adjacent to agricultural fields, Onavas village on Rio Yaqui, Sonora. latitude: 29 deg. N. longitude: 109 deg. W. remarks: Hybrid swarm, C. sonoria and C. mixta. Plants variable. Rind color variable. Size variable. Peduncle corky or noncorky. Flesh bitter or nonbitter. Wild. Seed.
- PI 512232 donor id: GN8416-207. origin: Mexico. local name: Chicayote; Adav (Pima). collected: February 1, 1984. collector: G.P. Nabhan & A. Rea. collector id: GN8416-207. locality: Adjacent to agricultural fields, Onavas village on Rio Yaqui, Sonora. latitude: 29 deg. N. longitude: 109 deg. W. remarks: Hybrid swarm, C. sonoria and C. mixta. Plants variable. Rind color variable. Size variable. Peduncle corky or noncorky. Flesh bitter or nonbitter. Wild. Seed.
- PI 512233 donor id: GN8416-208. origin: Mexico. local name: Chicayote; Adav (Pima). collected: February 1, 1984. collector: G.P. Nabhan & A. Rea. collector id: GN8416-208. locality: Adjacent to agricultural fields, Onavas village on Rio Yaqui, Sonora. latitude: 29 deg. N. longitude: 109 deg. W. remarks: Hybrid swarm, C. sonoria and C. mixta. Plants variable. Rind color variable. Size variable. Peduncle corky or noncorky. Flesh bitter or nonbitter. Wild. Seed.

PI 512197 to 512234-continued

PI 512234 donor id: 841018-02. origin: Mexico. collected: October 18, 1984. collector: Salvador Montes Hdz. collector id: 841018-02. locality: Autlan, Jalisco. remarks: Rind green/white mottled striped. Flesh bitter. Wild. Seed.

PI 512235. UNIDENT-Cucurbitaceae sp. CUCURBITACEAE

Donated by: Merrick, Laura C., Dept. of Vegetable Crops, University of California, Davis, California, United States. Received April 15, 1987.

donor id: 841128-10. origin: Mexico. local name: Calabacilla del monte. collected: November 28, 1984. collector: L. Merrick, Salvador Montes Hdz & J.A. Laborde C.. collector id: 841128-10. locality: Roadside, mountainous terrain, 0.5km before El Amolar on road from Tamazunchale to Queretaro, Hidalgo. remarks: Four fruits. Pulp used at one time as a soap substitute to wash clothing. Wild. Seed.

PI 512236. *Luffa aegyptiaca* Miller CUCURBITACEAE Vegetable sponge

Donated by: Merrick, Laura C., Dept. of Vegetable Crops, University of California, Davis, California, United States. Received April 15, 1987.

donor id: 841128-01. origin: Mexico. local name: Estrapajo. collected: November 28, 1984. collector: L. Merrick, Salvador Montes Hdz & J.A. Laborde C.. collector id: 841128-01. locality: Roadside, climbing in tree, orchard near a garden plot of maize and squash, Rancho la Pimienta, 67km S of Ciudad Valles on road to Tamazunchale, San Luis Potosi. elevation: 90m. remarks: Single fruit, long. Immature fruits harvested and eaten as a cooked vegetable. received as: *Luffa cylindrata*. Wild. Seed.

PI 512237 to 512251. *Arachis hypogaea* L. FABACEAE Peanut

Donated by: Guangdong Agricultural Institute, Guangzhou, Guangdong Province, Peoples Republic of China. remarks: Received through D.M. Porter, USDA-ARS, Tidewater Research Center, Suffolk, Virginia. Received September 25, 1987.

PI 512237 donor id: A1. origin: China, Peoples Repub of. cultivar: SUIXIGOUBI. locality: Production area Suixi, Xian, Guangdong Province. remarks: Plants erect with sparse branching. Flowering habit indeterminate. Maturity 120 days. Cultivar. Seed.

PI 512237 to 512251-continued

- PI 512238 donor id: A12. origin: China, Peoples Repub of.
cultivar: JINAKE. locality: Production area Fanchang,
Xian, Guangdong Province. remarks: Plants erect with
sparse branching. Flowering habit indeterminate. Maturity
120 days. Cultivar. Seed.
- PI 512239 donor id: A14. origin: China, Peoples Repub of.
cultivar: HUAXIANZHODOU. locality: Production area Hua,
Xian, Guangdong Province. remarks: Plants erect with
sparse branching. Flowering habit indeterminate. Maturity
120 days. Cultivar. Seed.
- PI 512240 donor id: A36. origin: China, Peoples Repub of.
cultivar: SHUIKOUYAZAI. locality: Production area Hui
Yang, Xian, Guangdong Province. remarks: Plants erect
with sparse branching. Flowering habit indeterminate.
Maturity 120 days. Cultivar. Seed.
- PI 512241 donor id: A42. origin: China, Peoples Repub of.
cultivar: ZISHI. locality: Production area Cheng Hai,
Zian, Guangdong Province. remarks: Plants erect with
sparse branching. Flowering habit indeterminate. Maturity
120 days. Cultivar. Seed.
- PI 512242 donor id: A54. origin: China, Peoples Repub of.
cultivar: DINGSIDOU. locality: Production area Guangdong
Agricultural Institute, Guangzhou. remarks: Plants erect
with sparse branching. Flowering habit indeterminate.
Maturity 120 days. Cultivar. Seed.
- PI 512243 donor id: A56. origin: China, Peoples Repub of.
cultivar: YANGJING. locality: Production area Suixi,
Xian, Guangdong Province. remarks: Plants erect with
sparse branching. Flowering habit indeterminate. Maturity
120 days. Cultivar. Seed.
- PI 512244 donor id: A83. origin: China, Peoples Repub of.
cultivar: HEYUANLONGYANZHONG. locality: Production area
Heyuan, Xian, Guangdong Province. remarks: Plants erect
with sparse branching. Flowering habit indeterminate.
Maturity 120 days. Cultivar. Seed.
- PI 512245 donor id: A87. origin: China, Peoples Repub of.
cultivar: QUJIANGZHODOU. locality: Production area
Qujiang, Xian, Guangdong Province. remarks: Plants erect
with sparse branching. Flowering habit indeterminate.
Maturity 120 days. Cultivar. Seed.

PI 512237 to 512251-continued

- PI 512246 **donor id:** A316. **origin:** China, Peoples Repub of.
cultivar: LINGYU 1. **locality:** Production area Ling Shui,
Xian, Guangdong Province. **remarks:** Plants erect with
sparse branching. Flowering habit indeterminate. Maturity
120 days. Cultivar. Seed.
- PI 512247 **donor id:** A420. **origin:** China, Peoples Repub of.
cultivar: XINYOUAI. **locality:** Production area Xin Hui,
Xian, Guangdong Province. **remarks:** Plants erect with
sparse branching. Flowering habit indeterminate. Maturity
120 days. Cultivar. Seed.
- PI 512248 **donor id:** A418. **origin:** China, Peoples Repub of.
cultivar: ZHANYOU 217. **locality:** Production area Zhang
Jiang, Xian, Guangdong Province. **remarks:** Plants erect
with sparse branching. Flowering habit indeterminate.
Maturity 120 days. Cultivar. Seed.
- PI 512249 **donor id:** K2. **origin:** China, Peoples Repub of.
cultivar: SHUIDOU. **locality:** Production area Fan Chang,
Xian, Guangdong Province. **remarks:** Plants decumbent with
dense branching. Flowering habit determinate. Maturity
150 days. Cultivar. Seed.
- PI 512250 **donor id:** K43. **origin:** China, Peoples Repub of.
cultivar: DUNDUZAI. **locality:** Production area Hui Yang,
Xian, Guangdong Province. **remarks:** Plants decumbent with
dense branching. Flowering habit determinate. Maturity
150 days. Cultivar. Seed.
- PI 512251 **donor id:** K242. **origin:** China, Peoples Repub of.
cultivar: MAOMINGHUASHENG. **locality:** Production area
Maoming, Xian, Guangdong Province. **remarks:** Plants
decumbent with dense branching. Flowering habit
determinate. Maturity 150 days. Cultivar. Seed.

PI 512252. *Hordeum vulgare* L. POACEAE Barley

Donated by: Brown, A.R., Department of Agronomy, University of
Georgia, Athens, Georgia, United States. Received October 16, 1987.

donor id: Ga 80-674. **origin:** United States. **cultivar:**
VENUS. **pedigree:** Barsoy *2/Atlas 68. **remarks:** Plants
six-rowed, mid-tall (85-95cm), rough awned. Winter growth
habit semi-prostrate. Spikes dense, medium long, nodding.
Kernels small, plump, yellow. Heads with snaky neck 25%.
Susceptible to spot blotch and loose smut. **disease**
resistance: BYDV, powdery mildew, & septoria glume
blotch. Moderate to scald and leaf rust. Winter Annual.
Cultivar. Seed.

PI 512253 to 512262. *Triticum aestivum* L. POACEAE Common wheat

Donated by: Jaubertie, J.P., Semences Cargill, Centre de Recherche, Cereales a Paille et Coiza, PB 17 Boissay, 28390 Toury, France.
Received October 21, 1987.

- PI 512253 **origin:** France. **cultivar:** ARISTIDE. Cultivar. Seed.
- PI 512254 **origin:** France. **cultivar:** ARPEGE. Cultivar. Seed.
- PI 512255 **origin:** United Kingdom. **cultivar:** BRIMSTONE. Cultivar. Seed.
- PI 512256 **origin:** Netherlands. **cultivar:** DONJON. Cultivar. Seed.
- PI 512257 **origin:** Germany, Federal Rep of. **cultivar:** FUTUR. Cultivar. Seed.
- PI 512258 **origin:** United Kingdom. **cultivar:** GUARDIAN. Cultivar. Seed.
- PI 512259 **origin:** United Kingdom. **cultivar:** LONGBOW. Cultivar. Seed.
- PI 512260 **origin:** Italy. **cultivar:** PALATA. Cultivar. Seed.
- PI 512261 **origin:** Belgium. **cultivar:** PELICAN. Cultivar. Seed.
- PI 512262 **origin:** Germany, Federal Rep of. **cultivar:** SAIGA. Cultivar. Seed.

PI 512263 to 512279. *Arachis hypogaea* L. FABACEAE Peanut

Donated by: The Oil Crops Institute, Chinese Academy of Agricultural Sciences, Wuhan, Hubei Province, Peoples Republic of China.
remarks: Received through D.M. Porter, USDA-ARS Tidewater Research Center, Suffolk, Virginia. Received September 25, 1987.

- PI 512263 **origin:** China, Peoples Repub of. **pedigree:** Lipudadou/72-53//72-53. Breeding Material. Seed.
- PI 512264 **origin:** China, Peoples Repub of. **pedigree:** Lipudadou/72-53//72-53. Breeding Material. Seed.
- PI 512265 **origin:** China, Peoples Repub of. **pedigree:** PI298115/72-53//72-53. **disease resistance:** Leaf spot and rust. Breeding Material. Seed.
- PI 512266 **origin:** China, Peoples Repub of. **pedigree:** Xinchengzao/72-53//72-53. **remarks:** Maturity very early. Breeding Material. Seed.

PI 512263 to 512279-continued

- PI 512267 origin: China, Peoples Repub of. pedigree: Bairiai/72-53//72-53. remarks: Maturity very early. Breeding Material. Seed.
- PI 512268 origin: China, Peoples Repub of. pedigree: Bairiai/72-53//72-53. remarks: Maturity very early. Breeding Material. Seed.
- PI 512269 origin: China, Peoples Repub of. pedigree: Bairiai/72-53//72-53. remarks: Maturity very early. Breeding Material. Seed.
- PI 512270 origin: China, Peoples Repub of. cultivar: 72-53. remarks: Maturity early. Cultivar. Seed.
- PI 512271 origin: China, Peoples Repub of. cultivar: YOUGUO-5. remarks: Oil content high. Cultivar. Seed.
- PI 512272 origin: China, Peoples Repub of. cultivar: MALI 1 HAO. Cultivar. Seed.
- PI 512273 origin: China, Peoples Repub of. cultivar: JINGXI 6802-3. remarks: Pods compact. Cultivar. Seed.
- PI 512274 origin: China, Peoples Repub of. cultivar: JINGXI 6802-14. remarks: Pods compact. Cultivar. Seed.
- PI 512275 origin: China, Peoples Repub of. cultivar: XUAN 21. remarks: Spanish type. Maturity early. Cultivar. Seed.
- PI 512276 origin: China, Peoples Repub of. cultivar: BEIHAIZHENZHU. locality: Beihai area. remarks: Seeds small. Spanish type. Maturity early. Cultivar. Seed.
- PI 512277 origin: China, Peoples Repub of. cultivar: HEYUANLONGYANDOU. locality: Heyuan area. remarks: Spanish type. Maturity early. Cultivar. Seed.
- PI 512278 origin: China, Peoples Repub of. cultivar: LINGBEITONGLUOWAN. remarks: Spanish type. Maturity early. Cultivar. Seed.
- PI 512279 origin: China, Peoples Repub of. cultivar: XUZHOUZHILIHUASHENG. locality: Xuzhou area. remarks: Plants erect. Yield high. Cultivar. Seed.

PI 512280. *Pisum sativum* L. FABACEAE Garden pea

Donated by: Gessart, K.R., 1230 W. Broadway, Eugene, Oregon, United States. Received October 15, 1987.

PI 512280-continued

origin: Soviet Union. **locality:** Market, Alma Ata, Kazakhstan. Cultivated. Seed.

PI 512281 to 512282. *Triticum aestivum* L. POACEAE Common wheat

Donated by: Donaldson, E., Dry Land Research Unit, Washington State University, P.O. Box B, Lind, Washington, United States. Received October 23, 1987.

PI 512281 **donor id:** WA006817. **origin:** United States. **pedigree:** Bezostaya-1//CI13438/Cerco. **remarks:** Semidwarf, hard-red type. Maturity mid-season. Glumes white. Spikes medium, awned. Straw strength good. Yield potential high. Emergence similar to short coleoptile semidwarfs. Susceptible to leaf rust, bunt, snowmold and stem rust. Winterhardness and flour mill score minimal. **disease resistance:** Cercospora foot rot. Mature plants to local races of stripe rust. Winter Annual. Breeding Material. Seed.

PI 512282 **donor id:** WA006820. **origin:** United States. **cultivar:** ANDREWS. **pedigree:** PI167822/CI13438//CI9342/Ttana/3/CI17271/Sturdy. **remarks:** Semidwarf, hard-red type. Maturity early. Glumes white. Spikes medium, awned. Straw strength weak. Yield potential good. Emergence good. Susceptible to leaf and stem rust, Fusarium and Cercospora foot rot. **disease resistance:** Good to snowmold. Fair to local races of dwarf bunt. Mature plants fair to local races of stripe rust. Moderate to flag smut. Winter Annual. Cultivar. Seed.

PI 512283. *Prunus buergeriana* Miq. ROSACEAE

Donated by: Kim, Moon-Houg, Department of Botany, Cheju National University, Cheju, Rep. of Korea. **remarks:** Seeds collected in Korea from tree selected by R.M. Jefferson. The 1986 U.S. National Arboretum Flowering Cherry (*Prunus*) Expedition to Taiwan, Korea, and Japan. Received October 20, 1987.

donor id: NA 59190. **origin:** Korea, Republic of. **collected:** September 01, 1987. **collector:** Moon-Houg Kim. **locality:** North slope near Tor-Orun Mt. Halla, Cheju Island. **latitude:** 33 deg. 21 min. N. **longitude:** 126 deg. 24 min. E. **elevation:** 1100m. **remarks:** Tree, single stem, 9x5m, approx. 30 yrs. old. Leaves bright green when young. Some insect damage. Flowers 4-6mm, occurring after leaves. Wild. Seed.

PI 512284. *Prunus maximowiczii* Rupr. ROSACEAE Korean cherry

Donated by: Kim, Moon-Houg, Department of Botany, Cheju National University, Cheju, Rep. of Korea. **remarks:** Seeds collected in Korea from tree selected by R.M. Jefferson. The 1986 U.S. National Arboretum Flowering Cherry (*Prunus*) Expedition of Taiwan, Korea, and Japan. Received October 20, 1987.

donor id: NA 59191. **origin:** Korea, Republic of.
collected: July 01, 1987. **collector:** Moon-Houg Kim.
locality: Open area, sandy soil among many taller broadleaf trees. West slope near Youngmumsa, Mt. Holla, Cheju Island. **latitude:** 33 deg. 23 min. N. **longitude:** 126 deg. 30 min. E. **elevation:** 1700m. **remarks:** Tree, single stem, 10x6m, approx. 70 yrs. old. Bark rough, dark brown. Leaves light green with abruptly acuminate tips. Flowers small, 1.5-2cm, white in 2-25cm racemes. Wild. Seed.

PI 512285. *Prunus x yedoensis* Matsum. ROSACEAE

Donated by: Kim, Moon-Houg, Department of Botany, Cheju National University, Cheju, Rep. of Korea. **remarks:** Seeds collected in Korea from tree selected by R.M. Jefferson. The 1986 U.S. National Arboretum Flowering Cherry (*Prunus*) Expedition to Taiwan, Korea, and Japan. Received October 20, 1987.

donor id: NA 59192. **origin:** Korea, Republic of.
collected: June 01, 1987. **collector:** Moon-Houg Kim.
locality: North slope near San-Chun-Don. Mt. Halla, Cheju Island. **latitude:** 33 deg. 23 min. N. **longitude:** 126 deg. 30 min. E. **elevation:** 500m. **remarks:** Tree, single stem, 20x15m, approx. 50 yrs. old. Protected by 1.5m fence. Trunk grey-black, approx. 2.5m in diameter. Flowers white occurring with small young leaves. Wild. Seed.

PI 512286. *Vigna unguiculata* subsp. *sesquipedalis* (L.) Verdc. FABACEAE
Yard-long bean

Donated by: Peng, Zuoming, Foreign Affairs Office, Guilin, Guangxi Province, Peoples Republic of China. **remarks:** Received through the Honorable Jimmy Carter, Plains, Georgia. Received November 05, 1987.

origin: China, Peoples Repub of. **cultivar:** GUILIN LONG BEANS. **remarks:** Local type. Cultivated. Seed.

PI 512287 to 512288. *Nicotiana tabacum* L. SOLANACEAE Tobacco

Donated by: Bonnett, H.T., Department of Biology, University of Oregon, Eugene, Oregon, United States. **remarks:** Received through Tobacco Research Lab., USDA-ARS, Oxford, North Carolina. Received October 05, 1987.

PI 512287 **donor id:** A-28. **origin:** United States. **cultivar:** SAMSUN (PHYB)-1. **pedigree:** Fused cells of *N. tabacum* cv. Turkish Samsun with cells of *Petunia hybrida* cv. Comanche. **remarks:** Cybrid containing chloroplasts of *Petunia* and nucleus and mitochondria of tobacco. Plants fully self fertile. TAG 72:794-798. 1986. Cultivar. Seed.

PI 512288 **donor id:** C-9. **origin:** United States. **cultivar:** SAMSUN (PHYB)-2. **pedigree:** Fused cells of *N. tabacum* cv. Turkish Samsun with cells of *Petunia hybrida* cv. Comanche. **remarks:** Cybrid containing chloroplasts of *Petunia* and nucleus and mitochondria of tobacco. Plants fully self fertile. TAG 72:794-798. 1986. Cultivar. Seed.

PI 512289. *Medicago sativa* L. FABACEAE Alfalfa

Donated by: Lehman, W.F., Dept. of Agronomy & Range Science, University of California-Davis, P.O. 1004 E. Holton Road, El Centro, California, United States. **remarks:** Cooperative efforts by the University of California, Davis, and the Dept. of Plant Pathology, Kansas State University, Manhattan. Received November 20, 1987.

donor id: UC 193. **origin:** United States. **pedigree:** Sel. from UC 143. **other id:** GP-202. **group:** CSR-ALFALFA. **remarks:** Plants nondormant. **disease resistance:** High to downy mildew and *Fusarium* wilt. Low to anthracnose. **insect resistance:** Some to blue alfalfa aphid. Perennial. Breeding Material. Seed.

PI 512290. *Saccharum hybrid* POACEAE Sugarcane

Donated by: Tai, P.Y.P., Sugarcane Field Station, USDA-ARS, Canal Point, Florida, United States. **remarks:** Cooperative research by USDA-ARS, Institute of Food and Agr. Sciences of Univ. of Florida, and Florida Sugar Cane League, Inc. Received November 20, 1987.

PI 512290-continued

origin: United States. **cultivar:** CP 77-1776. **pedigree:** CP 68-1067/CP 68-1022. **other id:** CV-74. **group:** CSR-SUGARCANE. **remarks:** Clone mid-season (late Dec.) flowering with erect habit. Sucrose content high. Fiber content 9.22%. Millability 1.03. Disease resistance adequate for production in Florida. Includes *S. officinarum*, *S. spontaneum*, *S. barberi*, and *S. sinense* in parentage. **disease resistance:** Sugarcane mosaic virus, rust, leaf scald, eye spot, and smut. Perennial. Cultivar. Plant.

PI 512291. *Saccharum* hybrid POACEAE Sugarcane

Donated by: Miller, J.D., Sugarcane Field Station, USDA-ARS, Canal Point, Florida, United States. **remarks:** Cooperative research by USDA-ARS, Institute of Food and Agr. Sciences of Univ. of Florida, and Florida Sugar Cane League, Inc. Received November 20, 1987.

origin: United States. **cultivar:** CP 78-1247. **pedigree:** CP 68-1067/CP 57-614. **other id:** CV-75. **group:** CSR-SUGARCANE. **remarks:** Clone has high early sucrose content. Flowers early December. Sugar yield at early harvest high. Fiber content 11.37%. Millability rating 0.957. Disease resistance adequate for production in Florida. Includes *S. officinarum*, *S. spontaneum*, *S. barberi*, and *S. sinense* in parentage. **disease resistance:** Sugarcane mosaic virus, eye spot, smut, and leaf scald. Some to rust. Perennial. Cultivar. Plant.

PI 512292 to 512295. *Linum usitatissimum* L. LINACEAE Flax

Donated by: Miller, J.F., Oilseeds Research Unit, USDA-ARS, Fargo, North Dakota, United States. **remarks:** Cooperative investigations by USDA-ARS and the North Dakota Agric. Experiment Station, Fargo, North Dakota. Received November 20, 1987.

PI 512292 **donor id:** Culbert M3P3. **origin:** United States. **pedigree:** Culbert*4/CI 2506. **other id:** GP-1. **group:** CSR-FLAX. **remarks:** Plants blue-flowered, brown-seeded. Flowering 50 days. Height 61cm. Oil content 40.6% at Fargo, Morden, and Brookings in 1986. Potential use in flax breeding and research programs. **disease resistance:** Multiple gene M3M3P3P3 to flax rust. Annual. Breeding Material. Seed.

PI 512292 to 512295-continued

PI 512293 **donor id:** Linott M3P3. **origin:** United States. **pedigree:** Linott*4/CI 2506. **other id:** GP-2. **group:** CSR-FLAX. **remarks:** Plants blue-flowered, brown-seeded. Flowering 49 days. Height 60cm. Oil content 40.7% at Fargo, Morden, and Brookings in 1986. Potential use in flax breeding and research programs. **disease resistance:** Multiple gene M3M3P3P3 to flax rust. Annual. Breeding Material. Seed.

PI 512294 **donor id:** Wishek M3P3. **origin:** United States. **pedigree:** Wishek*4/CI 2506. **other id:** GP-3. **group:** CSR-FLAX. **remarks:** Plants blue-flowered, brown-seeded. Flowering 51 days. Height 62cm. Oil content 40.2% at Fargo, Morden, and Brookings in 1986. Potential use in flax breeding and research programs. **disease resistance:** Multiple gene M3M3P3P3 to flax rust. Annual. Breeding Material. Seed.

PI 512295 **donor id:** Nored M3P3. **origin:** United States. **pedigree:** Nored*4/CI 2506. **other id:** GP-4. **group:** CSR-FLAX. **remarks:** Plants blue-flowered, brown-seeded. Flowering 55 days. Height 67cm. Oil content 40.6% at Fargo, Morden, and Brookings in 1986. Potential use in flax breeding and research programs. **disease resistance:** Multiple gene M3M3P3P3 to flax rust. Annual. Breeding Material. Seed.

PI 512296 to 512297. *Nicotiana tabacum* L. SOLANACEAE Tobacco

Donated by: Aycock, Jr., M.K., Dept. of Agronomy, Univ. of Maryland, College Park, Maryland, United States; and Skoog, H.A., Germplasm Quality & Enhancement Lab., USDA-ARS, Beltsville, Maryland, United States. Received November 20, 1987.

PI 512296 **donor id:** MD B100. **origin:** United States. **pedigree:** Gertz/MD 59/2/MD 609/MD 64/3/MD 10/MWRW/4/MD 609. **other id:** GP-34. **group:** CSR-TOBACCO. **other id:** A10. **remarks:** Light air-cured, medium-maturity, superior quality type. Alkaloid content 2.54%. Smoke and aroma values superior to standard cultivars. Potential for use in developing new Maryland-type cultivars. **disease resistance:** Tobacco mosaic virus, low level to black shank. Breeding Material. Seed.

PI 512296 to 512297-continued

PI 512297 **donor id:** MD B312. **origin:** United States. **pedigree:** F6 generation breeding line/MD 59. **other id:** GP-35. **group:** CSR-TOBACCO. **other id:** J312. **remarks:** Light air-cured, medium-maturity, multiple disease-resistant type. Alkaloid content 2.22%. Smoke and aroma values slightly lower than standard cultivars. Potential for use in developing new Maryland-type cultivars. **disease resistance:** High to tobacco mosaic virus, wildfire, and black shank. Also fusarium wilt. Breeding Material. Seed.

PI 512298 to 512299. *Beta vulgaris* L. CHENOPODIACEAE Sugarbeet

Donated by: Lewellen, R.T., U.S. Agr. Research Station, USDA-ARS, Salinas, California, United States. **remarks:** Cooperative investigations by USDA-ARS, The Beet Sugar Development Foundation, and the California Beet Growers Assoc. Received November 20, 1987.

PI 512298 **donor id:** C309. **origin:** United States. **pedigree:** S1 from C310. **other id:** PL-25. **group:** CSR-SUGARBEET. **remarks:** Plants diploid (2m=18), self-fertile, monogerm, O-type (nonrestorer). Segregates for genetic male sterility. Plants moderately nonbolting, lodge during early seed set. Roots long, tapered. Seed density good, yield fair. Sucrose content high. Highly susceptible to Erysiphe and Phoma. **disease resistance:** Moderate to curly top and western yellow viruses. Moderate to bacterial necrosis/rot. Tolerant to lettuce infectious yellow virus. Breeding Material. Seed.

PI 512299 **donor id:** C309CMS. **origin:** United States. **pedigree:** CMS equivalent of C309. **other id:** PL-26. **group:** CSR-SUGARBEET. **remarks:** Cytoplasmic male-sterile equivalent of PI 512298(C309). Sucrose content high. Use as parental line for improved sucrose content and disease resistance. Highly susceptible to Erysiphe polygoni and Phoma betae. **disease resistance:** Moderate to curly top and western yellow viruses. Moderate to bacterial necrosis/rot. Tolerant to lettuce infectious yellow virus. Breeding Material. Seed.

PI 512300 to 512301. *Cicer arietinum* L. FABACEAE Chickpea

Donated by: Auld, D.L., Dept. of Plant, Soil, & Ent. Sciences, University of Idaho, Moscow, Idaho, United States. **remarks:** Received through R. Hannan, Western Regional Plant Introduction Station, Pullman, Washington. Received February 1985.

PI 512300 to 512301-continued

PI 512300 **origin:** United States. **cultivar:** LYONS. **locality:** Kendrick. **latitude:** 46 deg. 8 min. N. **longitude:** 117 deg. 5 min. E. **remarks:** Seeds introduced to the Kendrick area before 1900. Named after George Lyons. Sister landrace to PI 458611, WEYEN. Medium sized kabuli type. Landrace. Seed.

PI 512301 **origin:** UNKNOWN. **cultivar:** AZTEC. **other id:** ICC 8521. **source:** ICRISAT. **remarks:** Seeds small, rough, dark brown, desi type. Introduced by M.J. Silbernagel, Prosser, Washington, from G. Singh, Punjab Agr. Univ., Ludhiana, India. Landrace. Seed.

PI 512302. *Triticum aestivum* L. POACEAE Common wheat

Donated by: Sunderman, D.W., Research & Extension Center, University of Idaho, Aberdeen, Idaho, United States. **remarks:** Cooperative development by the Idaho Agricultural Experiment Station and USDA-ARS. Received November 04, 1987.

donor id: ID0297. **origin:** United States. **cultivar:** BLIZZARD. **pedigree:** A68203W-E-1-3-3/A68203W-A-1-6-1. **remarks:** Plants tall, awned with stiff straw and erect to inclined heads. Hard, red wheat. Susceptible to stripe rust. **disease resistance:** Dwarf bunt. Tolerant to snow mold caused by *Typhula* spp. Winter Annual. Cultivar. Seed.

PI 512303 to 512304. *Astragalus cicer* L. FABACEAE Cicer milkvetch

Donated by: VIR, 44 Herzen Street, Leningrad, Soviet Union. Received November 12, 1987.

PI 512303 **donor id:** VIR 4469I. **origin:** Soviet Union. **locality:** Ukrainian SSR. Seed.

PI 512304 **donor id:** VIR 37780. **origin:** German Democratic Repub. Seed.

PI 512305 to 512320. *Festuca arundinacea* Schreber POACEAE Tall fescue

Donated by: Powell, J.B., Field Crops Laboratory, USDA-ARS, Beltsville, Maryland, United States. Received January 1984.

PI 512305 **donor id:** 007. **origin:** Portugal. **collected:** June 03, 1975. **collector:** J.B. Powell. **collector id:** 007. **locality:** Roadside, 5km N of Bombarral. **elevation:** 91m. Perennial. Wild. Seed.

PI 512305 to 512320-continued

- PI 512306 donor id: 009. origin: Portugal. collected: June 04, 1975. collector: J.B. Powell. collector id: 009. locality: Roadside, Figueira de Foz. elevation: 152m. Perennial. Wild. Seed.
- PI 512307 donor id: 096. origin: Spain. collected: June 17, 1975. collector: J.B. Powell. collector id: 096. locality: Roadside, Sotillo de La Adrado. elevation: 610m. remarks: Includes collector numbers 097, 098, 099, 101, 102, 103, & 104. Perennial. Wild. Seed.
- PI 512308 donor id: 110. origin: Spain. collected: June 18, 1975. collector: J.B. Powell. collector id: 110. locality: Roadside, 6km E of Piedrahita. elevation: 1067m. remarks: Giant type. Includes collector numbers 111, 112, & 113. Perennial. Wild. Seed.
- PI 512309 donor id: 119. origin: Spain. collected: June 19, 1975. collector: J.B. Powell. collector id: 119. locality: Roadside, Segouia. elevation: 914m. remarks: Panicles purple. Includes collector numbers 120, 121, 122, 123, 124, & 125. Perennial. Wild. Seed.
- PI 512310 donor id: 131. origin: Spain. collected: June 19, 1975. collector: J.B. Powell. collector id: 131. locality: Roadside, Arcones. elevation: 1036m. Perennial. Wild. Seed.
- PI 512311 donor id: 137. origin: Spain. collector: J.B. Powell. collector id: 137. locality: Roadside, 18km SW of Ayllon, Route 110. elevation: 1006m. remarks: Includes collector numbers 138, 139, & 140. Perennial. Wild. Seed.
- PI 512312 donor id: 143. origin: Spain. collected: June 19, 1975. collector: J.B. Powell. collector id: 143. locality: Roadside, 53km W of Soria. elevation: 853m. remarks: Includes collector numbers 144, 145, & 146. Perennial. Wild. Seed.
- PI 512313 donor id: 155. origin: Spain. collected: June 23, 1975. collector: J.B. Powell. collector id: 155. locality: Roadside fork, San Rafael. elevation: 1158m. remarks: Plants very sparse in area. Includes collector numbers 156a, 156b, & 157. Perennial. Wild. Seed.
- PI 512314 donor id: 177. origin: Spain. collected: June 25, 1975. collector: J.B. Powell. collector id: 177. locality: Roadside, 25km S of Cedeira. elevation: 305m. remarks: Plants rhizomatous. Perennial. Wild. Seed.

PI 512305 to 512320-continued

- PI 512315 donor id: 179. origin: Spain. collected: June 25, 1975. collector: J.B. Powell. collector id: 179. locality: Roadside, Cedeira. elevation: 15m. remarks: Includes collector numbers 180, 181, 182, & 183. Perennial. Wild. Seed.
- PI 512316 donor id: 184. origin: Spain. collected: June 25, 1975. collector: J.B. Powell. collector id: 184. locality: Roadside, Vivevo. elevation: 15m. remarks: Includes collector number 185. Perennial. Wild. Seed.
- PI 512317 donor id: 204. origin: Spain. collected: June 26, 1975. collector: J.B. Powell. collector id: 204. locality: Roadside, 15km W of Luaraca. elevation: 61m. remarks: Plants rhizomatous. Includes collector number 205. Perennial. Wild. Seed.
- PI 512318 donor id: 253. origin: Spain. collected: June 27, 1975. collector: J.B. Powell. collector id: 253. locality: Roadside, Betela. elevation: 549m. remarks: Plants rhizomatous. Includes collector numbers 254, 255, 257 & 258. Perennial. Wild. Seed.
- PI 512319 donor id: 266. origin: Spain. collected: June 28, 1975. collector: J.B. Powell. collector id: 266. locality: Roadside, 5km E of Noain. elevation: 427m. remarks: Plants rhizomatous. Includes collector number 267. Perennial. Wild. Seed.
- PI 512320 donor id: 447. origin: France. collected: July 05, 1975. collector: J.B. Powell. collector id: 447. locality: Roadside, 10km SE of Castellane. elevation: 1097m. remarks: Includes collector numbers 448, 449, 450, 451, 452, 454, 455, 457, 458, 460, & 461. Perennial. Wild. Seed.

PI 512321. *Lolium perenne* L. POACEAE Perennial ryegrass

Donated by: Powell, J.B., Field Crops Laboratory, USDA-ARS, Beltsville, Maryland, United States. Received January 1984.

donor id: 126. origin: Spain. collected: June 19, 1975. collector: J.B. Powell. collector id: 126. locality: Roadside, 25km NE of Segouia. elevation: 1097m. remarks: Plants purple. Includes collector numbers 127 and 128. Perennial. Wild. Seed.

PI 512322 to 512324. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: VIR, 44 Herzen Street, Leningrad, Soviet Union.
remarks: Samples received at Soybean Germplasm Collection, Urbana, Illinois on Dec. 2, 1986. Received November 02, 1987.

PI 512322 **donor id:** VIR 4884. **origin:** Soviet Union. **cultivar:** IMERETINSKAJA. Cultivar. Seed.

PI 512323 **donor id:** VIR 4988. **origin:** Soviet Union. **cultivar:** KUBANSKAJA 19. Cultivar. Seed.

PI 512324 **donor id:** VIR 4875. **origin:** Soviet Union. **cultivar:** SALIUT 216. Cultivar. Seed.

PI 512325 to 512329. *Allium cepa* L. LILIACEAE Onion

Donated by: Zur, M., Plant Introduction Department, The Volcani Center, P.O.B. 6, Bet Dagan, Israel. Received October 16, 1987.

PI 512325 **donor id:** 39891. **origin:** Israel. **collector:** J. Mattatia. **collector id:** M-2534. Cultivar. Seed.

PI 512326 **donor id:** 39892. **origin:** Israel. **collector:** J. Mattatia. **collector id:** M-2544. Cultivar. Seed.

PI 512327 **donor id:** 39893. **origin:** Israel. **collector:** J. Mattatia. **collector id:** M-2633. Cultivar. Seed.

PI 512328 **donor id:** 39894. **origin:** Israel. **collector:** J. Mattatia. **collector id:** M-2572. Cultivar. Seed.

PI 512329 **donor id:** 39895. **origin:** Israel. **collector:** J. Mattatia. **collector id:** M-2896. Cultivar. Seed.

PI 512330. *Benincasa hispida* (Thunb.) Cogn. CUCURBITACEAE Waxgourd

Donated by: Walters, D., The Marie Selby Botanical Gardens, 811 South Palm Avenue, Sarasota, Florida, United States. Received November 06, 1987.

donor id: DDW 367. **origin:** Hong Kong. **collected:** May 28, 1987. **collector:** D.S. Decker-Walters, T.W. Walters. **collector id:** DDW 367. **locality:** Po On Medicine Co., 32-D, Shan Tung Street. **remarks:** Seeds from large jar, some seem lightly roasted. Germination about 50%. Cultivated. Seed.

PI 512331 to 512332. *Citrullus lanatus* (Thunb.) Matsum. & Nakai
CUCURBITACEAE Watermelon

Donated by: Walters, D., The Marie Selby Botanical Gardens, 811
South Palm Avenue, Sarasota, Florida, United States. Received
November 06, 1987.

PI 512331 **donor id:** DDW 368. **origin:** China, Peoples Repub of.
collected: May 29, 1987. **collector:** D.S. Decker-Walters,
T.W. Walters. **collector id:** DDW 368. **locality:** Roadside
vendor, Beijing. **remarks:** Single fruit, round. Rind
green. Flesh pale pink and not too sweet. Cultivated.
Seed.

PI 512332 **donor id:** DDW 369. **origin:** China, Peoples Repub of.
collected: May 30, 1987. **collector:** D.S. Decker-Walters,
T.W. Walters. **collector id:** DDW 369. **locality:** Roadside
vendor, Beijing. **remarks:** Single fruit, round. Rind
green. Flesh pale pink and not very sweet. Cultivated.
Seed.

PI 512333 to 512335. *Cucumis melo* L. CUCURBITACEAE Melon

Donated by: Walters, D., The Marie Selby Botanical Gardens, 811
South Palm Avenue, Sarasota, Florida, United States. Received
November 06, 1987.

PI 512333 **donor id:** DDW 370. **origin:** China, Peoples Repub of.
collected: June 01, 1987. **collector:** D.S.
Decker-Walters, T.W. Walters. **collector id:** DDW 370.
locality: Roadside vendor, Xi'an. **remarks:** Single fruit,
round ca. 12cm diameter. Rind pale green. Flesh pale
yellow and not very sweet. Cultivated. Seed.

PI 512334 **donor id:** DDW 372. **origin:** China, Peoples Repub of.
collected: June 02, 1987. **collector:** D.S.
Decker-Walters, T.W. Walters. **collector id:** DDW 372.
locality: Roadside vendor, Guilin. **remarks:** Single
fruit, round ca. 9cm diameter. Rind pale green. Flesh
white and not very sweet. Cultivated. Seed.

PI 512335 **donor id:** DDW 380. **origin:** China, Peoples Repub of.
collected: June 04, 1987. **collector:** D.S.
Decker-Walters, T.W. Walters. **collector id:** DDW 380.
locality: Street market, Guangzhou. **remarks:** Single
fruit, round ca. 11cm diameter. Rind light brown and
netted. Flesh orange and musky. Cultivated. Seed.

PI 512336. *Cucumis sativus* L. CUCURBITACEAE Cucumber

Donated by: Walters, D., The Marie Selby Botanical Gardens, 811 South Palm Avenue, Sarasota, Florida, United States. Received November 06, 1987.

donor id: DDW 382. **origin:** Hong Kong. **collected:** June 06, 1987. **collector:** D.S. Decker-Walters, T.W. Walters. **collector id:** DDW 382. **locality:** Vegetable shop, Granville Avenue. **remarks:** Single fruit, 18cm long and 7cm wide. Rind yellowish brown and cracked. Flesh white and very juicy. Strong cucumber smell and taste. Cultivated. Seed.

PI 512337. *Triticum aestivum* L. POACEAE Common wheat

Donated by: Ohm, H.W., Department of Agronomy, Purdue University, West Lafayette, Indiana, United States. Received December 07, 1987.

donor id: 77249RC1-133-2-50. **origin:** United States. **cultivar:** CLARK. **pedigree:** Beau//65256A1-8-1/67137B5-16/4/Sullivan/3/Beau//5517B8-5-3-3 /Logan. **remarks:** Soft, red type. Yield potential high. Wheat milling and baking scores acceptable. Moderately susceptible to leaf rust. **disease resistance:** High to soil-borne mosaic & spindle streak mosaic. Moderate to powdery mildew & septoria. Tolerant to take-all. **insect resistance:** Biotypes B & D of Hessian fly. Winter Annual. Cultivar. Seed.

PI 512338. *Triticum aestivum* L. POACEAE Common wheat

Donated by: Rohde, C.R., Columbia Basin Agr. Res. Center, Oregon State University, Box 370, Pendleton, Oregon, United States. Received December 07, 1987.

donor id: OR7996. **origin:** United States. **cultivar:** OVESON. **pedigree:** Hyslop/Yayla//WA4995/3/Cerco. **remarks:** Soft, white type. Chaff white. Milling and baking quality satisfactory. Susceptible to leaf and stem rusts, and dwarf bunt. Moderately susceptible to foot rot and *Cephalosporium* stripe. **disease resistance:** Stripe rust. Moderate to common bunt. Winter Annual. Cultivar. Seed.

PI 512339 to 512407. *Citrullus lanatus* (Thunb.) Matsum. & Nakai
CUCURBITACEAE Watermelon

Donated by: Nuez, F.V., Dep. De Genetica y Mejora, Univ. Politecnica, Camino de Vera, 14, Valencia, Valencia, Spain.
remarks: Received through IBPGR, Rome, Italy. Received July 22, 1985.

- PI 512339 **donor id:** A-CI-1. **origin:** Spain. **collected:** July 17, 1984. **collector id:** A-CI-1. **locality:** Property reserve, 2km N of Quicena, Huesca Province. **latitude:** 42 deg. 10 min. N. **longitude:** 0 deg. 28 min. W. **elevation:** 470m. **remarks:** Sown April, harvested August. Used for fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 512340 **donor id:** A-CI-2. **origin:** Spain. **collected:** July 17, 1984. **collector id:** A-CI-2. **locality:** Property reserve, 2km N of Quicena, Huesca Province. **latitude:** 42 deg. 10 min. N. **longitude:** 0 deg. 28 min. W. **elevation:** 470m. **remarks:** Sown April, harvested in August. Used for fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 512341 **donor id:** A-CI-3. **origin:** Spain. **collected:** August 10, 1984. **collector id:** A-CI-3. **locality:** Property reserve, 1 km E of Lumpiague, Zaragoza Province. **latitude:** 41 deg. 40 min. N. **longitude:** 1 deg. 15 min. W. **elevation:** 300m. **remarks:** Sown March, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512342 **donor id:** A-CI-4. **origin:** Spain. **collected:** August 10, 1984. **collector id:** A-CI-4. **locality:** Property reserve, 1 km E of Lumpiague, Zaragoza Province. **latitude:** 41 deg. 40 min. N. **longitude:** 1 deg. 15 min. W. **elevation:** 300m. **remarks:** Sown March, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512343 **donor id:** A-CI-5. **origin:** Spain. **collected:** August 10, 1984. **collector id:** A-CI-5. **locality:** Property reserve, 1 km E of Lumpiague, Zaragoza Province. **latitude:** 41 deg. 40 min. N. **longitude:** 1 deg. 15 min. W. **elevation:** 300m. **remarks:** Sown March, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512344 **donor id:** A-CI-6. **origin:** Spain. **collected:** August 12, 1984. **collector id:** A-CI-6. **locality:** Property reserve, 1 km from Magallon, Zaragoza Province. **latitude:** 41 deg. 50 min. N. **longitude:** 1 deg. 30 min. W. **elevation:** 350m. **remarks:** Sown April, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.

PI 512339 to 512407-continued

- PI 512345 donor id: C-CI-1. origin: Spain. collected: July 18, 1984. collector id: C-CI-1. locality: Farmland and property reserve Tortosa, Tarragona Province. latitude: 40 deg. 48 min. N. longitude: 0 deg. 31 min. E. elevation: 12m. remarks: Sown March, harvested August-September. Annual. Cultivar. Seed.
- PI 512346 donor id: C-CI-2. origin: Spain. collected: July 18, 1984. collector id: C-CI-2. locality: Farmland and property reserve Tortosa, Tarragona Province. latitude: 40 deg. 48 min. N. longitude: 0 deg. 31 min. E. elevation: 12m. remarks: Sown March, harvested August-September. Annual. Cultivar. Seed.
- PI 512347 donor id: C-CI-3. origin: Spain. collected: August 3, 1984. collector id: C-CI-3. locality: Property reserve, 2km from Falset, Tarragona Province. latitude: 41 deg. 10 min. N. longitude: 0 deg. 48 min. E. elevation: 364m. remarks: Sown March-April, harvested August-September. Annual. Cultivar. Seed.
- PI 512348 donor id: C-CI-4. origin: Spain. collected: August 3, 1984. collector id: C-CI-4. locality: Property reserve, 2km from Falset, Tarragona Province. latitude: 41 deg. 10 min. N. longitude: 0 deg. 48 min. E. elevation: 364m. remarks: Sown March-April, harvested August-September. Annual. Cultivar. Seed.
- PI 512349 donor id: C-CI-5. origin: Spain. collected: August 3, 1984. collector id: C-CI-5. locality: Property reserve, 2km from Falset, Tarragona Province. latitude: 41 deg. 10 min. N. longitude: 0 deg. 48 min. W. elevation: 364m. remarks: Sown March-April, harvested August-September. Annual. Cultivar. Seed.
- PI 512350 donor id: CM-CI-1. origin: Spain. collected: October 9, 1984. collector id: CM-CI-1. locality: Farmland, Retamoso de la Jara, Toledo Province. latitude: 39 deg. 43 min. N. longitude: 4 deg. 46 min. W. elevation: 608m. remarks: Sown early May, harvested July-August. Fruit light green when ripe. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512351 donor id: CM-CI-2. origin: Spain. collected: October 9, 1984. collector id: CM-CI-2. locality: Farmland, Retamoso de la Jara, Toledo Province. latitude: 39 deg. 43 min. N. longitude: 4 deg. 46 min. W. elevation: 608m. remarks: Sown early May, harvested July-August. Fruit small and sweet. Used for desserts. Annual. Primitive Cultivar. Seed.

PI 512339 to 512407-continued

- PI 512352 **donor id:** CM-CI-3. **origin:** Spain. **collected:** October 9, 1984. **collector id:** CM-CI-3. **locality:** Farmland, Retamoso de la Jara, Toledo Province. **latitude:** 39 deg. 43 min. N. **longitude:** 4 deg. 46 min. W. **elevation:** 608m. **remarks:** Sown early May, harvested July-August. Fruit large, green, with darker fine lines. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512353 **donor id:** CM-CI-4. **origin:** Spain. **collected:** October 9, 1984. **collector id:** CM-CI-4. **locality:** Farmland, Retamoso de la Jara, Toledo Province. **latitude:** 39 deg. 43 min. N. **longitude:** 4 deg. 46 min. W. **elevation:** 608m. **remarks:** Sown early May, harvested July-August. Fruit large, green, with darker fine green lines. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512354 **donor id:** CM-CI-5. **origin:** Spain. **collected:** October 9, 1984. **collector id:** CM-CI-5. **locality:** Farmland, Retamoso de la Jara, Toledo Province. **latitude:** 39 deg. 43 min. N. **longitude:** 4 deg. 46 min. W. **elevation:** 608m. **remarks:** Sown early May, harvested July-August. Fruit large, green, with darker fine lines. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512355 **donor id:** CM-CI-6. **origin:** Spain. **collected:** October 9, 1984. **collector id:** CM-CI-6. **locality:** Farmland, Retamoso de la Jara, Toledo Province. **latitude:** 39 deg. 43 min. N. **longitude:** 4 deg. 46 min. W. **elevation:** 608m. **remarks:** Sown early May, harvested July-August. Fruit large, green, with darker fine green lines. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512356 **donor id:** CM-CI-7. **origin:** Spain. **collected:** September 21, 1984. **collector id:** CM-CI-7. **locality:** Property reserve, Oropesa, Toledo Province. **latitude:** 39 deg. 50 min. N. **longitude:** 5 deg. 10 min. W. **elevation:** 423m. **remarks:** Sown May, harvested September. Fruit eaten fresh. Annual. Primitive Cultivar. Seed.
- PI 512357 **donor id:** CM-CI-8. **origin:** Spain. **collector id:** CM-CI-8. **locality:** Property reserve, Oropesa, Toledo Province. **latitude:** 39 deg. 40 min. N. **longitude:** 4 deg. 40 min. W. **elevation:** 559m. **remarks:** Sown April, harvested September. Annual. Primitive Cultivar. Seed.
- PI 512358 **donor id:** E-CI-1. **origin:** Spain. **collected:** August 23, 1984. **collector id:** E-CI-1. **locality:** Property reserve, 3km from Hervas, Caceres Province. **latitude:** 40 deg. 4 min. N. **longitude:** 6 deg. 0 min. W. **elevation:** 700m. **remarks:** Sown March, harvested September. Used for desserts. Annual. Primitive Cultivar. Seed.

PI 512339 to 512407-continued

- PI 512359 donor id: E-CI-2. origin: Spain. collected: August 23, 1984. collector id: E-CI-2. locality: Property reserve, 3km from Hayos, Caceres Province. latitude: 40 deg. 2 min. N. longitude: 6 deg. 7 min. W. elevation: 320m. remarks: Sown March, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512360 donor id: E-CI-3. origin: Spain. collected: August 20, 1984. collector id: E-CI-3. locality: Farmland, 3km N of Alagon del Caudillo, Caceres Province. latitude: 39 deg. 9 min. N. longitude: 6 deg. 2 min. W. elevation: 320m. remarks: Sown April-June, harvested August-October. Used for desserts. Good conservation qualities after harvest. Fruit flesh white-yellow color. Annual. Primitive Cultivar. Seed.
- PI 512361 donor id: E-CI-4. origin: Spain. collected: August 20, 1984. collector id: E-CI-4. locality: Farmland, 3km N of Alagon del Caudillo, Caceres Province. latitude: 39 deg. 9 min. N. longitude: 6 deg. 2 min. W. elevation: 320m. remarks: Sown April, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512362 donor id: E-CI-5. origin: Spain. collected: August 18, 1984. collector id: E-CI-5. locality: Property reserve, 2km around Jarez de la Vera, Caceres Province. latitude: 40 deg. 1 min. N. longitude: 5 deg. 6 min. W. elevation: 580m. remarks: Sown April, harvested September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512363 donor id: E-CI-6. origin: Spain. collected: August 18, 1984. collector id: E-CI-6. locality: Property reserve, 2km N of Valdeioigos, Caceres Province. latitude: 40 deg. 1 min. N. longitude: 5 deg. 6 min. W. elevation: 500m. remarks: Sown April, harvested September. Used for desserts. Mixed seeds. Annual. Primitive Cultivar. Seed.
- PI 512364 donor id: E-CI-7. origin: Spain. collected: August 17, 1984. collector id: E-CI-7. locality: Property reserve, 1km N of Garganta de la Olla, Caceres Province. latitude: 40 deg. 1 min. N. longitude: 5 deg. 6 min. W. elevation: 650m. remarks: Sown April, harvested August-September. Mixed seeds from Saudia Americana and local. Used for desserts. Annual. Primitive Cultivar. Seed.

PI 512339 to 512407-continued

- PI 512365 donor id: E-CI-8. origin: Spain. collected: August 17, 1984. collector id: E-CI-8. locality: Property reserve, 2 km S Garganta de la Olla, Caceres Province. latitude: 40 deg. 1 min. N. longitude: 5 deg. 6 min. W. elevation: 650m. remarks: Sown April, harvested in August-September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512366 donor id: E-CI-9. origin: Spain. collected: August 16, 1984. collector id: E-CI-9. locality: Property reserve, 1 km S of Navaconcejo, Caceres Province. latitude: 40 deg. 2 min. N. longitude: 5 deg. 8 min. W. elevation: 500m. remarks: Sown April, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512367 donor id: V-CI-1. origin: Spain. collected: June 14, 1984. collector id: V-CI-1. locality: Farmland in Villar del Arzobispo, Valencia Province. latitude: 39 deg. 44 min. N. longitude: 0 deg. 50 min. W. elevation: 520m. remarks: Sown April, harvested July. Fruit skin, dark. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512368 donor id: V-CI-2. origin: Spain. collected: June 14, 1984. collector id: V-CI-2. locality: Farmland in Villar del Arzobispo, Valencia Province. latitude: 39 deg. 44 min. N. longitude: 0 deg. 50 min. W. elevation: 520mm. remarks: Sown April, harvested July. Fruit skin, light green. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512369 donor id: V-CI-3. origin: Spain. collected: June 14, 1984. collector id: V-CI-3. locality: Farmland in Villar del Arzobispo, Valencia Province. latitude: 39 deg. 44 min. N. longitude: 0 deg. 50 min. W. elevation: 520m. remarks: Sown April, harvested July. Fruit skin, white. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512370 donor id: V-CI-4. origin: Spain. collected: July 20, 1984. collector id: V-CI-4. locality: Farmland, 13km SE of Salon, Alicante Province. latitude: 38 deg. 45 min. N. longitude: 0 deg. 2 min. W. elevation: 225m. remarks: Sown March, harvested June. Used for regular consumption. Annual. Primitive Cultivar. Seed.
- PI 512371 donor id: V-CI-5. origin: Spain. collected: July 20, 1984. collector id: V-CI-5. locality: Farmland, 2km E of Lliber, Alicante Province. latitude: 38 deg. 45 min. N. longitude: 0 deg. 0 min. W. elevation: 200m. remarks: Sown April, harvested August. Used for regular consumption. Annual. Wild. Seed.

PI 512339 to 512407-continued

- PI 512372 donor id: V-CI-6. origin: Spain. collected: July 20, 1984. collector id: V-CI-6. locality: Farmland, 0.5km S of Lliber, Alicante Province. latitude: 38 deg. 45 min. N. longitude: 0 deg. 0 min. W. elevation: 100m. remarks: Sown May, harvested August. Used for regular consumption. Annual. Wild. Seed.
- PI 512373 donor id: V-CI-7. origin: Spain. collected: July 20, 1984. collector id: V-CI-7. locality: Farmland, 2km E of Lliber, Alicante Province. latitude: 38 deg. 45 min. N. longitude: 0 deg. 0 min. W. elevation: 200m. remarks: Sown April, harvested August. Used for regular consumption. Annual. Wild. Seed.
- PI 512374 donor id: V-CI-8. origin: Spain. collected: July 19, 1984. collector id: V-CI-8. locality: Yard, Benisa, Alicante Province. latitude: 38 deg. 42 min. N. longitude: 0 deg. 2 min. W. elevation: 274mm. remarks: Sown March, harvested August. Annual. Cultivar. Seed.
- PI 512375 donor id: V-CI-9. origin: Spain. collected: July 21, 1984. collector id: V-CI-9. locality: Farmland, 3km SE of Novelda, Alicante Province. latitude: 38 deg. 22 min. N. longitude: 0 deg. 46 min. W. elevation: 230m. remarks: Sown in spring, harvested in summer. Domestic use. Annual. Wild. Seed.
- PI 512376 donor id: V-CI-10. origin: Spain. collected: July 29, 1984. collector id: V-CI-10. locality: Property reserve, 2km SE of Novelda. Alicante Province. latitude: 38 deg. 22 min. N. longitude: 0 deg. 46 min. W. elevation: 270m. remarks: Sown in spring, harvested in summer. Domestic use. Annual. Wild. Seed.
- PI 512377 donor id: V-CI-11. origin: Spain. collected: July 19, 1984. collector id: V-CI-11. locality: Property reserve, 2km S of Benisa. Alicante Province. latitude: 38 deg. 42 min. N. longitude: 0 deg. 2 min. W. elevation: 200m. remarks: Sown in March, harvested in August. Annual. Cultivar. Seed.
- PI 512378 donor id: V-CI-12. origin: Spain. collected: July 10, 1984. collector id: V-CI-12. locality: Property reserve, 1 km W of Algar, Valencia Province. latitude: 39 deg. 47 min. N. longitude: 0 deg. 22 min. W. elevation: 202m. remarks: Sown April-May, harvested July-August. Used for regular consumption. Annual. Cultivar. Seed.

PI 512339 to 512407-continued

- PI 512379 donor id: V-CI-13. origin: Spain. collected: July 10, 1984. collector id: V-CI-13. locality: Property reserve, 1 km W of Algar, Valencia Province. latitude: 39 deg. 47 min. N. longitude: 0 deg. 22 min. W. elevation: 202m. remarks: Sown April-May, harvested July-August. Used for regular consumption. Mildew disease. Annual. Cultivar. Seed.
- PI 512380 donor id: V-CI-14. origin: Spain. collected: July 10, 1984. collector id: V-CI-14. locality: Property reserve, 1 km W of Algar, Valencia Province. latitude: 39 deg. 47 min. N. longitude: 0 deg. 22 min. W. elevation: 202m. remarks: Sown March, harvested July. Used for regular consumption. Annual. Cultivar. Seed.
- PI 512381 donor id: V-CI-15. origin: Spain. collected: August 2, 1984. collector id: V-CI-15. locality: Institution in Vinaroz, Castellon de la Plana Province. latitude: 40 deg. 21 min. N. longitude: 0 deg. 30 min. W. elevation: 23m. remarks: Sown March, harvested August. Used in local market places. Annual. Cultivar. Seed.
- PI 512382 donor id: V-CI-16. origin: Spain. collected: June 1984. collector id: V-CI-16. locality: Farmland in Albocacer, Castellon de La Plana Province. latitude: 40 deg. 20 min. N. longitude: 0 deg. 21 min. E. elevation: 350m. remarks: Sown February-March, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512383 donor id: V-CI-17. origin: Spain. collected: September 21, 1984. collector id: V-CI-17. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 1 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512384 donor id: V-CI-18. origin: Spain. collected: September 21, 1984. collector id: V-CI-18. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 1 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512385 donor id: V-CI-19. origin: Spain. collected: September 21, 1984. collector id: V-CI-19. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 1 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Fruit yellow inside and cannot be eaten. Annual. Primitive Cultivar. Seed.

PI 512339 to 512407-continued

- PI 512386 donor id: V-CI-20. origin: Spain. collected: September 21, 1984. collector id: V-CI-20. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 1 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512387 donor id: V-CI-21. origin: Spain. collected: September 21, 1984. collector id: V-CI-21. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 1 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512388 donor id: V-CI-22. origin: Spain. collected: September 22, 1984. collector id: V-CI-22. locality: Farmland, Casas Altas, Valencia Province. latitude: 40 deg. 02 min. N. longitude: 1 deg. 16 min. W. elevation: 900m. remarks: Sown April, harvested August-September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512389 donor id: V-CI-23. origin: Spain. collected: September 23, 1984. collector id: V-CI-23. locality: Farmland, Chulilla, Valencia Province. latitude: 39 deg. 40 min. N. longitude: 0 deg. 52 min. W. elevation: 400m. remarks: Sown April, harvested August-September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512390 donor id: V-CI-24. origin: Spain. collected: September 12, 1984. collector id: V-CI-24. locality: Farmland, 15km SE of Fontaneres, Valencia Province. latitude: 38 deg. 47 min. N. longitude: 0 deg. 47 min. W. elevation: 600m. remarks: Sown May, harvested September. Plant tall, green with stripes. Used for regular consumption. Annual. Cultivar. Seed.
- PI 512391 donor id: V-CI-25. origin: Spain. collected: October 8, 1984. collector id: V-CI-25. locality: Institution (S.E.A.) in Sative, Valencia Province. latitude: 39 deg. 00 min. N. longitude: 0 deg. 32 min. W. elevation: 125m. remarks: Sown May, harvested September. Used for regular consumption. Annual. Seed.
- PI 512392 donor id: V-CI-26. origin: Spain. collected: October 23, 1984. collector id: V-CI-26. locality: Property reserve, 5km SE of Onda, Castellon de la Plana Province. latitude: 39 deg. 58 min. N. longitude: 0 deg. 17 min. W. elevation: 60m. remarks: Sown April, harvested August. Used for local consumption. Annual. Cultivar. Seed.

PI 512339 to 512407-continued

- PI 512393 donor id: V-CI-27. origin: Spain. collected: October 23, 1984. collector id: V-CI-27. locality: Property reserve, Farzara, Castellon de la Plana Province. latitude: 40 deg. 3 min. N. longitude: 0 deg. 20 min. W. elevation: 120m. remarks: Sown February-March, harvested August. Used for local consumption. Annual. Cultivar. Seed.
- PI 512394 donor id: V-CI-28. origin: Spain. collected: October 23, 1984. collector id: V-CI-28. locality: Property reserve, Farzara, Castellon de la Plana Province. latitude: 40 deg. 3 min. N. longitude: 0 deg. 20 min. W. elevation: 120m. remarks: Sown February-March, harvested August. Used for local consumption. Annual. Cultivar. Seed.
- PI 512395 donor id: V-CI-29. origin: Spain. collected: June 14, 1984. collector id: V-CI-29. locality: Farmland, Venta del Moro, Valencia Province. latitude: 39 deg. 28 min. N. longitude: 1 deg. 20 min. W. elevation: 730m. remarks: Sown May-June, harvested August. Used for desserts and regular consumption. Annual. Primitive Cultivar. Seed.
- PI 512396 donor id: V-CI-30. origin: Spain. collected: June 14, 1984. collector id: V-CI-30. locality: Farmland, Venta del Moro, Valencia Province. latitude: 39 deg. 28 min. N. longitude: 1 deg. 20 min. W. elevation: 730m. remarks: Sown May-June, harvested August. Used for desserts and regular consumption. Annual. Primitive Cultivar. Seed.
- PI 512397 donor id: AN-CI-1. origin: Spain. collected: July 24, 1984. collector id: AN-CI-1. locality: Property reserve, 2km W of Puente Genil, Cordoba Province. latitude: 37 deg. 05 min. N. longitude: 4 deg. 7 min. W. elevation: 171m. remarks: Sown April, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512398 donor id: AN-CI-2. origin: Spain. collected: October 10, 1984. collector id: AN-CI-2. locality: Property reserve, 0.5km from Portugos, Granada Province. latitude: 36 deg. 57 min. N. longitude: 3 deg. 17 min. W. elevation: 1303m. remarks: Sown May, harvested September-October. Used for desserts. Annual. Primitive Cultivar. Seed.

PI 512339 to 512407-continued

- PI 512399 donor id: AN-CI-3. origin: Spain. collected: October 9, 1984. collector id: AN-CI-3. locality: Property reserve, 3km SW of Ugijar, Granada Province. latitude: 36 deg. 55 min. N. longitude: 3 deg. 3 min. W. elevation: 900m. remarks: Sown May, harvested September-October. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512400 donor id: AN-CI-4. origin: Spain. collected: October 9, 1984. collector id: AN-CI-4. locality: Property reserve from Igualeja, Malaga Province. latitude: 36 deg. 55 min. N. longitude: 5 deg. 7 min. W. elevation: 693m. remarks: Sown April-May, harvested September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512401 donor id: AN-CI-5. origin: Spain. collected: October 11, 1984. collector id: AN-CI-5. locality: Property reserve between Los Borrios and Benharas, Cadiz Province. latitude: 36 deg. 10 min. N. longitude: 5 deg. 30 min. W. elevation: 23m. remarks: Sown March-April, harvested June-July. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512402 donor id: AN-CI-6. origin: Spain. collected: October 7, 1984. collector id: AN-CI-6. locality: Property reserve from Librique, Cadiz Province. latitude: 36 deg. 40 min. N. longitude: 5 deg. 23 min. W. elevation: 327m. remarks: Sown May-June, harvested September-October. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512403 donor id: AN-CI-7. origin: Spain. collected: October 7, 1984. collector id: AN-CI-7. locality: Property reserve from Benaocaz, Cadiz Province. latitude: 36 deg. 40 min. N. longitude: 5 deg. 26 min. W. elevation: 793m. remarks: Sown May-June, harvested September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512404 donor id: AN-CI-8. origin: Spain. collected: August 9, 1984. collector id: AN-CI-8. locality: Property reserve, Tarifa, Cadiz Province. latitude: 36 deg. 2 min. N. longitude: 5 deg. 33 min. W. elevation: 7m. remarks: Sown June, harvested September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512405 donor id: AN-CI-9. origin: Spain. collected: August 9, 1984. collector id: AN-CI-9. locality: Property reserve, Tarifa, Cadiz Province. latitude: 36 deg. 2 min. N. longitude: 5 deg. 33 min. W. elevation: 7m. remarks: Sown June, harvested September. Used for desserts. Annual. Primitive Cultivar. Seed.

PI 512339 to 512407-continued

PI 512406 donor id: AN-CI-10. origin: Spain. collected: August 9, 1984. collector id: AN-CI-10. locality: Property reserve, Tarifa, Cadiz Province. latitude: 36 deg. 2 min. N. longitude: 5 deg. 33 min. W. elevation: 7m. remarks: Sown June, harvested September. Used for desserts. Annual. Primitive Cultivar. Seed.

PI 512407 donor id: AN-CI-11. origin: Spain. collected: August 6, 1984. collector id: AN-CI-11. locality: Property reserve from Rota, Cadiz Province. latitude: 36 deg. 37 min. N. longitude: 6 deg. 16 min. W. elevation: 9m. Annual. Primitive Cultivar. Seed.

PI 512408 to 512589. Cucumis melo L. CUCURBITACEAE

Donated by: Nuez, F.V., Dep. De Genetica y Mejora, Univ. Politecnica, Camino de Vera, 14, Valencia, Valencia, Spain. remarks: Received through IBPGR, Rome, Italy. Received July 22, 1985.

PI 512408 donor id: A-C-4. origin: Spain. collected: October 24, 1984. collector id: A-C-4. locality: Farmland, 0.2km NE of Gea de Albarracin, Teruel Province. latitude: 40 deg. 22 min. N. longitude: 1 deg. 25 min. W. elevation: 1031m. remarks: Sown May, harvested August. Used for regular consumption. Annual. Cultivar. Seed.

PI 512409 donor id: A-C-9. origin: Spain. collected: July 17, 1984. collector id: A-C-9. locality: Property reserve, 2km N of Quicena, Huesca Province. latitude: 42 deg. 10 min. N. longitude: 0 deg. 28 min. W. elevation: 470m. remarks: Sown April, harvested September. Used for fresh consumption. Annual. Primitive Cultivar. Seed.

PI 512410 donor id: A-C-11. origin: Spain. collected: July 17, 1984. collector id: A-C-11. locality: Property reserve, 2km N of Quicena, Huesca Province. latitude: 42 deg. 10 min. N. longitude: 0 deg. 28 min. W. elevation: 470m. remarks: Sown April, harvested August-September. Used for desserts. Annual. Primitive Cultivar. Seed.

PI 512411 donor id: A-C-13. origin: Spain. collected: August 10, 1984. collector id: A-C-13. locality: Property reserve, 1 km E of Lumpiague, Zaragoza Province. latitude: 41 deg. 40 min. N. longitude: 1 deg. 15 min. W. elevation: 300m. remarks: Sown March-April, harvested August-September. Used for desserts. Annual. Primitive Cultivar. Seed.

PI 512408 to 512589-continued

- PI 512412 donor id: A-C-14. origin: Spain. collected: August 10, 1984. collector id: A-C-14. locality: Property reserve, 1 km E of Lumpiague, Zaragoza Province. latitude: 41 deg. 40 min. N. longitude: 1 deg. 15 min. W. elevation: 300m. remarks: Sown February-March, harvested August-September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512413 donor id: A-C-16. origin: Spain. collected: August 12, 1984. collector id: A-C-16. locality: Property reserve, 1 km from Magallon, Zaragoza Province. latitude: 41 deg. 50 min. N. longitude: 1 deg. 30 min. W. elevation: 350m. remarks: Sown April, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512414 donor id: A-C-17. origin: Spain. collected: August 12, 1984. collector id: A-C-17. locality: Property reserve, 1 km from Magallon, Zaragoza Province. latitude: 41 deg. 50 min. N. longitude: 1 deg. 30 min. W. elevation: 350m. remarks: Sown April, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512415 donor id: AN-C-1. origin: Spain. collected: July 27, 1984. collector id: AN-C-1. locality: Property reserve, 2km from San Sebastian de los Caballeros, Cordoba Province. latitude: 37 deg. 45 min. N. longitude: 4 deg. 50 min. W. elevation: 311m. remarks: Sown March, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512416 donor id: AN-C-2. origin: Spain. collected: July 27, 1984. collector id: AN-C-2. locality: Property reserve, 2km from San Sebastian de los Caballeros Corodba Province. latitude: 37 deg. 45 min. N. longitude: 4 deg. 50 min. W. elevation: 311m. remarks: Sown March, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512417 donor id: AN-C-3. origin: Spain. collected: July 27, 1984. collector id: AN-C-3. locality: Property reserve, 2km from San Sebastian de los Caballeros Cordoba Province. latitude: 37 deg. 45 min. N. longitude: 4 deg. 50 min. W. elevation: 311m. remarks: Sown March, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.

PI 512408 to 512589-continued

- PI 512418 donor id: AN-C-4. origin: Spain. collected: July 27, 1984. collector id: AN-C-4. locality: Property reserve, 2km from san Sebastian de los Caballeros, Corodba Province. latitude: 37 deg. 45 min. N. longitude: 4 deg. 50 min. W. elevation: 311m. remarks: Sown March, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512419 donor id: AN-C-5. origin: Spain. collected: July 27, 1984. collector id: AN-C-5. locality: Property reserve, 2km from San Sebastian de los Caballeros, Cordoba Province. latitude: 37 deg. 45 min. N. longitude: 4 deg. 50 min. W. elevation: 311m. remarks: Sown March, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512420 donor id: AN-C-6. origin: Spain. collected: July 27, 1984. collector id: AN-C-6. locality: Property reserve, 2km from San Sebastian de los Caballeros, Cordoba Province. latitude: 37 deg. 45 min. N. longitude: 4 deg. 50 min. W. elevation: 311m. remarks: Sown March, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512421 donor id: AN-C-7. origin: Spain. collected: July 27, 1984. collector id: AN-C-7. locality: Property reserve, 2km from San Sebastian de los Caballeros, Cordoba Province. latitude: 37 deg. 45 min. N. longitude: 4 deg. 50 min. W. elevation: 311m. remarks: Sown March, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512422 donor id: AN-C-8. origin: Spain. collected: July 27, 1984. collector id: AN-C-8. locality: Property reserve, 2km from San Sebastian de los Caballeros, Cordoba Province. latitude: 37 deg. 45 min. N. longitude: 4 deg. 50 min. W. elevation: 311m. remarks: Sown March, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512423 donor id: AN-C-9. origin: Spain. collected: July 27, 1984. collector id: AN-C-9. locality: Property reserve, 2km from San Sebastian de los Caballeros, Cordoba Province. latitude: 37 deg. 45 min. N. longitude: 4 deg. 50 min. W. elevation: 311m. remarks: Sown March, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.

PI 512408 to 512589-continued

- PI 512424 donor id: AN-C-10. origin: Spain. collected: July 27, 1984. collector id: AN-C-10. locality: Property reserve, 2km from San Sebastian de los Caballeros, Cordoba Province. latitude: 37 deg. 45 min. N. longitude: 4 deg. 50 min. W. elevation: 311m. remarks: Sown March, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512425 donor id: AN-C-11. origin: Spain. collected: July 27, 1984. collector id: AN-C-11. locality: Property reserve, 2km from San Sebastian de los Caballeros, Cordoba Province. latitude: 37 deg. 45 min. N. longitude: 4 deg. 50 min. W. elevation: 311m. remarks: Sown March, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512426 donor id: AN-C-12. origin: Spain. collected: July 27, 1984. collector id: AN-C-12. locality: Property reserve, Lucena, Cardoba Province. latitude: 37 deg. 25 min. N. longitude: 4 deg. 30 min. W. elevation: 483m. remarks: Sown March, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512427 donor id: AN-C-13. origin: Spain. collected: July 27, 1984. collector id: AN-C-13. locality: Property reserve, Lucena, Cordoba Province. latitude: 37 deg. 25 min. N. longitude: 4 deg. 30 min. W. elevation: 483m. remarks: Sown March, Harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512428 donor id: AN-C-14. origin: Spain. collected: July 27, 1984. collector id: AN-C-14. locality: Property reserve, Lucena, Cordoba Province. latitude: 37 deg. 25 min. N. longitude: 4 deg. 30 min. W. elevation: 483m. remarks: Sown March, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512429 donor id: AN-C-15. origin: Spain. collected: July 27, 1984. collector id: AN-C-15. locality: Property reserve, 2km W of Puente Genil, Cordoba Province. latitude: 37 deg. 5 min. N. longitude: 4 deg. 7 min. W. elevation: 171m. remarks: Sown March, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512430 donor id: AN-C-16. origin: Spain. collected: October 10, 1984. collector id: AN-C-16. locality: Property reserve, 1km from Portugos, Granada Province. latitude: 36 deg. 57 min. N. longitude: 3 deg. 17 min. W. elevation: 1303m. remarks: Sown May, harvested September-October. Used for regular consumption, desserts. Annual. Seed.

PI 512408 to 512589-continued

- PI 512431 donor id: AN-C-20. origin: Spain. collected: October 9, 1984. collector id: AN-C-20. locality: Property reserve, 0.5km from Purullena, Granada Province. latitude: 37 deg. 17 min. N. longitude: 3 deg. 10 min. W. elevation: 990m. remarks: Sown April-May, harvested September-October. Used for regular consumption, desserts. Annual. Seed.
- PI 512432 donor id: AN-C-22. origin: Spain. collected: October 11, 1984. collector id: AN-C-22. latitude: 37 deg. 00 min. N. longitude: 3 deg. 51 min. W. elevation: 960m. remarks: Sown April-May, harvested August-September. Used for consumption, desserts. Annual. Seed.
- PI 512433 donor id: AN-C-24. origin: Spain. collected: October 9, 1984. collector id: AN-C-24. locality: Property reserve between Ronda and Valle Guadalcobocin, Malaga Province. latitude: 36 deg. 45 min. N. longitude: 5 deg. 9 min. W. elevation: 723m. remarks: Sown April-May, harvested September-October. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512434 donor id: AN-C-25. origin: Spain. collected: October 9, 1984. collector id: AN-C-25. locality: Property reserve, Beraojar, Malaga Province. latitude: 36 deg. 40 min. N. longitude: 5 deg. 15 min. W. elevation: 365m. remarks: Sown April-May, harvested September-October. Annual. Primitive Cultivar. Seed.
- PI 512435 donor id: AN-C-28. origin: Spain. collected: October 9, 1984. collector id: AN-C-28. locality: Property reserve between Ronda and Arriate, Malaga Province. latitude: 36 deg. 45 min. N. longitude: 5 deg. 9 min. W. elevation: 723m. remarks: Sown April-May, harvested September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512436 donor id: AN-C-29. origin: Spain. collected: July 24, 1984. collector id: AN-C-29. locality: Property reserve, Ardales, Malaga Province. latitude: 36 deg. 50 min. N. longitude: 4 deg. 50 min. W. elevation: 400m. remarks: Sown March-April, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512437 donor id: AN-C-30. origin: Spain. collected: July 24, 1984. collector id: AN-C-30. locality: Property reserve, Ardales, Malaga Province. latitude: 36 deg. 50 min. N. longitude: 4 deg. 50 min. W. elevation: 400m. remarks: Sown March-April, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.

PI 512408 to 512589-continued

- PI 512438 donor id: AN-C-31. origin: Spain. collected: July 24, 1984. collector id: AN-C-31. locality: Property reserve, Ardales, Malaga Province. latitude: 36 deg. 50 min. N. longitude: 4 deg. 50 min. W. elevation: 400m. remarks: Sown March-April, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512439 donor id: AN-C-32. origin: Spain. collected: July 24, 1984. collector id: AN-C-32. locality: Property reserve, Ardales, Malaga Province. latitude: 36 deg. 50 min. N. longitude: 4 deg. 50 min. W. elevation: 400m. remarks: Sown March-April, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512440 donor id: AN-C-33. origin: Spain. collected: July 24, 1984. collector id: AN-C-33. locality: Property reserve, Ardales, Malaga Province. latitude: 36 deg. 50 min. N. longitude: 4 deg. 50 min. W. elevation: 400m. remarks: Sown March-April, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512441 donor id: AN-C-34. origin: Spain. collected: July 24, 1984. collector id: AN-C-34. locality: Property reserve, Ardales, Malaga Province. latitude: 36 deg. 50 min. N. longitude: 4 deg. 50 min. W. elevation: 400m. remarks: Sown March-April, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512442 donor id: AN-C-35. origin: Spain. collected: July 24, 1984. collector id: AN-C-35. locality: Property reserve, Ardales, Malaga Province. latitude: 36 deg. 50 min. N. longitude: 4 deg. 50 min. W. elevation: 400m. remarks: Sown March-April, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512443 donor id: AN-C-36. origin: Spain. collected: July 24, 1984. collector id: AN-C-36. locality: Property reserve, Ardales, Malaga Province. latitude: 36 deg. 50 min. N. longitude: 4 deg. 50 min. W. elevation: 400m. remarks: Sown March-April, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512444 donor id: AN-C-37. origin: Spain. collected: July 24, 1984. collector id: AN-C-37. locality: Property reserve, Ardales, Malaga Province. latitude: 36 deg. 50 min. N. longitude: 4 deg. 50 min. W. elevation: 400m. remarks: Sown March-April, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.

PI 512408 to 512589-continued

- PI 512445 donor id: AN-C-38. origin: Spain. collected: July 24, 1984. collector id: AN-C-38. locality: Property reserve, Ardales, Malaga Province. latitude: 36 deg. 50 min. N. longitude: 4 deg. 50 min. W. elevation: 400m. remarks: Sown in March-April, harvested in August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512446 donor id: AN-C-39. origin: Spain. collected: July 24, 1984. collector id: AN-C-39. locality: Property reserve, Ardales, Malaga Province. latitude: 36 deg. 50 min. N. longitude: 4 deg. 50 min. W. elevation: 400m. remarks: Sown March-April, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512447 donor id: AN-C-41. origin: Spain. collected: July 24, 1984. collector id: AN-C-41. locality: Property reserve, Ardales, Malaga Province. latitude: 36 deg. 50 min. N. longitude: 4 deg. 50 min. W. elevation: 400m. remarks: Sown March-April, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512448 donor id: AN-C-42. origin: Spain. collected: July 24, 1984. collector id: AN-C-42. locality: Property reserve, Ardales, Malaga Province. latitude: 36 deg. 50 min. N. longitude: 4 deg. 50 min. W. elevation: 400m. remarks: Sown March-April, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512449 donor id: AN-C-43. origin: Spain. collected: July 24, 1984. collector id: AN-C-43. locality: Property reserve, Ardales, Malaga Province. latitude: 36 deg. 50 min. N. longitude: 4 deg. 50 min. W. elevation: 400m. remarks: Sown March-April, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512450 donor id: AN-C-44. origin: Spain. collected: July 24, 1984. collector id: AN-C-44. locality: Property reserve, Ardales, Malaga Province. latitude: 36 deg. 50 min. N. longitude: 4 deg. 50 min. W. elevation: 400m. remarks: Sown March-April, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512451 donor id: AN-C-45. origin: Spain. collected: July 24, 1984. collector id: AN-C-45. locality: Property reserve, Ardales, Malaga Province. latitude: 36 deg. 50 min. N. longitude: 4 deg. 50 min. W. elevation: 400m. remarks: Sown March-April, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.

PI 512408 to 512589-continued

- PI 512452 donor id: AN-C-46. origin: Spain. collected: July 24, 1984. collector id: AN-C-46. locality: Property reserve, Ardales, Malaga Province. latitude: 36 deg. 50 min. N. longitude: 4 deg. 50 min. W. elevation: 400m. remarks: Sown March-April, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512453 donor id: AN-C-47. origin: Spain. collected: July 24, 1984. collector id: AN-C-47. locality: Property reserve, Ardales, Malaga Province. latitude: 36 deg. 50 min. N. longitude: 4 deg. 50 min. W. elevation: 400m. remarks: Sown March-April, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512454 donor id: AN-C-48. origin: Spain. collected: July 24, 1984. collector id: AN-C-48. locality: Property reserve, Ardales, Malaga Province. latitude: 36 deg. 50 min. N. longitude: 4 deg. 50 min. W. elevation: 400m. remarks: Sown March-April, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512455 donor id: AN-C-49. origin: Spain. collected: July 24, 1984. collector id: AN-C-49. locality: Property reserve, Ardales, Malaga Province. latitude: 36 deg. 50 min. N. longitude: 4 deg. 50 min. W. elevation: 400m. remarks: Sown March-April, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512456 donor id: AN-C-50. origin: Spain. collected: July 24, 1984. collector id: AN-C-50. locality: Property reserve, Ardales, Malaga Province. latitude: 36 deg. 50 min. N. longitude: 4 deg. 50 min. W. elevation: 400m. remarks: Sown March-April, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512457 donor id: AN-C-53. origin: Spain. collected: October 11, 1984. collector id: AN-C-53. locality: Property reserve between Algeciras and El Rinconcillo, Cadiz Province. latitude: 36 deg. 8 min. N. longitude: 5 deg. 27 min. W. elevation: 17m. remarks: Sown March-April, harvested July. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512458 donor id: AN-C-55. origin: Spain. collected: October 11, 1984. collector id: AN-C-55. locality: Property reserve between Los Borrios and Benhoras, Cadiz Province. latitude: 36 deg. 10 min. N. longitude: 5 deg. 30 min. W. elevation: 23m. Annual. Primitive Cultivar. Seed.

PI 512408 to 512589-continued

- PI 512459 donor id: AN-C-56. origin: Spain. collected: October 10, 1984. collector id: AN-C-56. locality: Property reserve, San Enrique del Guadiavo, Cadiz Province. latitude: 36 deg. 20 min. N. longitude: 5 deg. 15 min. W. elevation: 109m. remarks: Sown May, harvested August-September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512460 donor id: AN-C-58. origin: Spain. collected: October 10, 1984. collector id: AN-C-58. locality: Property reserve, San Enrique del Guadiavo, Cadiz Province. latitude: 36 deg. 20 min. N. longitude: 5 deg. 15 min. W. elevation: 109m. remarks: Sown May, harvested August-September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512461 donor id: AN-C-59. origin: Spain. collected: October 7, 1984. collector id: AN-C-59. locality: Property reserve between Beracaz and Valle Tavizna, Cadiz Province. latitude: 36 deg. 40 min. N. longitude: 5 deg. 26 min. W. elevation: 793m. remarks: Sown May-June, harvested September-October. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512462 donor id: AN-C-60. origin: Spain. collected: October 7, 1984. collector id: AN-C-60. locality: Property reserve between Beracaz and Valle Tavizna, Cadiz Province. latitude: 36 deg. 40 min. N. longitude: 5 deg. 26 min. W. elevation: 793m. remarks: Sown May-June, harvested September-October. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512463 donor id: AN-6-63. origin: Spain. collected: October 7, 1984. collector id: AN-6-63. locality: Property reserve between Beraocaz and Valle Tavizna, Cadiz Province. latitude: 36 deg. 40 min. N. longitude: 5 deg. 26 min. W. elevation: 793m. remarks: Sown May-June, harvested September-October. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512464 donor id: AN-C-64. origin: Spain. collected: October 7, 1984. collector id: AN-C-64. locality: Property reserve between Beracaz and Valle Tavizna, Cadiz Province. latitude: 36 deg. 40 min. N. longitude: 5 deg. 26 min. W. elevation: 793m. remarks: Sown May-June, harvested September-October. A mix of two types of melon seeds. Used for desserts. Annual. Primitive Cultivar. Seed.

PI 512408 to 512589-continued

- PI 512465 donor id: AN-C-66. origin: Spain. collected: October 7, 1984. collector id: AN-C-66. locality: Property reserve, Grazalema, Cadiz Province. latitude: 36 deg. 45 min. N. longitude: 5 deg. 25 min. W. elevation: 829m. remarks: Sown May-June, harvested September-October. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512466 donor id: AN-C-68. origin: Spain. collected: August 8, 1984. collector id: AN-C-68. locality: Property reserve, Conil de La Frontera, Cadiz Province. latitude: 36 deg. 15 min. N. longitude: 6 deg. 7 min. W. elevation: 31m. Annual. Primitive Cultivar. Seed.
- PI 512467 donor id: AN-C-69. origin: Spain. collected: August 6, 1984. collector id: AN-C-69. locality: Property reserve, Rota, Cadiz Province. latitude: 36 deg. 37 min. N. longitude: 6 deg. 16 min. W. elevation: 9m. remarks: Sown March, harvested June. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512468 donor id: AN-C-70. origin: Spain. collected: August 6, 1984. collector id: AN-C-70. locality: Property reserve, Rota, Cadiz Province. latitude: 36 deg. 37 min. N. longitude: 6 deg. 16 min. W. elevation: 9m. remarks: Sown March, harvested June. Early fruiting. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512469 donor id: AN-C-71. origin: Spain. collected: August 6, 1984. collector id: AN-C-71. locality: Property reserve, Rota, Cadiz Province. latitude: 36 deg. 37 min. N. longitude: 6 deg. 16 min. W. elevation: 9m. remarks: Sown March, harvested June. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512470 donor id: AN-C-72. origin: Spain. collected: August 7, 1984. collector id: AN-C-72. locality: Property reserve, Conil de la Frontera, Cadiz Province. latitude: 36 deg. 15 min. N. longitude: 6 deg. 7 min. W. elevation: 31m. remarks: Sown March, harvested July-August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512471 donor id: AN-C-73. origin: Spain. collector id: AN-C-73. locality: Property reserve, Santa Fe, Granada Province. latitude: 37 deg. 10 min. N. longitude: 3 deg. 45 min. W. elevation: 579m. remarks: Sown April, harvested September. Used for desserts. Annual. Primitive Cultivar. Seed.

PI 512408 to 512589-continued

- PI 512472 donor id: AN-C-74. origin: Spain. collector id: AN-C-74. locality: Property reserve, Santa Fe, Granada Province. latitude: 37 deg. 10 min. N. longitude: 3 deg. 45 min. W. elevation: 579m. remarks: Sown April, harvested September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512473 donor id: AN-C-75. origin: Spain. collected: August 7, 1984. collector id: AN-C-75. locality: Property reserve, Almeria, Almeria Province. latitude: 36 deg. 50 min. N. longitude: 2 deg. 30 min. W. elevation: 16m. remarks: Sown January, harvested June-July. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512474 donor id: AN-C-76. origin: Spain. collected: August 7, 1984. collector id: AN-C-76. locality: Property reserve, Almeria, Almeria Province. latitude: 36 deg. 50 min. N. longitude: 2 deg. 30 min. W. elevation: 16m. remarks: Sown January, harvested June-July. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512475 donor id: AN-C-77. origin: Spain. collected: August 7, 1984. collector id: AN-C-77. locality: Property reserve, Jaen, Jaen Province. latitude: 37 deg. 40 min. N. longitude: 3 deg. 45 min. W. elevation: 573m. remarks: Sown April, harvested September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512476 donor id: AN-C-78. origin: Spain. collected: August 7, 1984. collector id: AN-C-78. locality: Property reserve, Jaen, Jaen Province. latitude: 37 deg. 40 min. N. longitude: 3 deg. 45 min. W. elevation: 573m. remarks: Sown April, harvested September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512477 donor id: AN-C-79. origin: Spain. collected: August 9, 1984. collector id: AN-C-79. locality: Property reserve, Tarifa, Cadiz Province. latitude: 36 deg. 2 min. N. longitude: 5 deg. 33 min. W. elevation: 7m. Annual. Primitive Cultivar. Seed.
- PI 512478 donor id: AN-C-80. origin: Spain. collected: August 9, 1984. collector id: AN-C-80. locality: Property reserve, from Tarifa, Cadiz Province. latitude: 36 deg. 2 min. N. longitude: 5 deg. 33 min. W. elevation: 7m. remarks: Sown April, harvested August. Used for desserts. Mixture of seeds. Annual. Primitive Cultivar. Seed.

PI 512408 to 512589-continued

- PI 512479 donor id: C-C-2. origin: Spain. collected: July 2, 1984. collector id: C-C-2. locality: Property reserve, Miravet, Tarragona Province. latitude: 41 deg. 3 min. N. longitude: 0 deg. 35 min. E. elevation: 125m. remarks: Sown March-April, harvested July. Annual. Cultivar. Seed.
- PI 512480 donor id: C-C-3. origin: Spain. collected: July 2, 1984. collector id: C-C-3. locality: Property reserve, Jesus (Tortosa), Tarragona Province. latitude: 40 deg. 48 min. N. longitude: 0 deg. 31 min. E. elevation: 12m. remarks: Sown March, harvested July. Used for local consumption. Annual. Cultivar. Seed.
- PI 512481 donor id: C-C-6. origin: Spain. collected: August 3, 1984. collector id: C-C-6. locality: Property reserve, 2km from Falset to Gratallops, Tarragona Province. latitude: 41 deg. 10 min. N. longitude: 0 deg. 48 min. E. elevation: 364m. remarks: Sown March, harvested October. Used for local consumption. Annual. Cultivar. Seed.
- PI 512482 donor id: C-C-7. origin: Spain. collected: August 3, 1984. collector id: C-C-7. locality: Property reserve, 2km from Falset to Gratallops, Tarragona Province. latitude: 41 deg. 10 min. N. longitude: 0 deg. 48 min. E. elevation: 364m. remarks: Sown March-April, harvested October. Used for local consumption. Annual. Cultivar. Seed.
- PI 512483 donor id: C-C-8. origin: Spain. collected: August 3, 1984. collector id: C-C-8. locality: Property reserve, 2km from Falset to Gratallops, Tarragona Province. latitude: 41 deg. 10 min. N. longitude: 0 deg. 48 min. E. elevation: 364m. remarks: Sown March-April, harvested September-October. Used for local consumption. Annual. Cultivar. Seed.
- PI 512484 donor id: C-C-11. origin: Spain. collected: August 3, 1984. collector id: C-C-11. locality: Property reserve, Vinebre, Tarragona Province. latitude: 41 deg. 12 min. N. longitude: 0 deg. 35 min. E. elevation: 34m. remarks: Sown April-May, harvested August. Annual. Cultivar. Seed.
- PI 512485 donor id: C-C-12. origin: Spain. collected: August 3, 1984. collector id: C-C-12. locality: Property reserve, Vinebre, Tarragona Province. latitude: 41 deg. 12 min. N. longitude: 0 deg. 35 min. E. elevation: 34m. remarks: Sown April-May, harvested August. Annual. Cultivar. Seed.

PI 512408 to 512589-continued

- PI 512486 donor id: C-C-13. origin: Spain. collector id: C-C-13. locality: Property reserve, Mollerusa, Lerida Province. latitude: 41 deg. 35 min. N. longitude: 1 deg. 10 min. E. elevation: 250m. remarks: Sown April, harvested September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512487 donor id: C-C-15. origin: Spain. collector id: C-C-15. locality: Property reserve, Mollerusa, Lerida Province. latitude: 41 deg. 35 min. N. longitude: 1 deg. 10 min. E. elevation: 250m. remarks: Sown April, harvested September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512488 donor id: C-C-16. origin: Spain. collector id: C-C-16. locality: Property reserve, Mollerusa, Lerida Province. latitude: 41 deg. 35 min. N. longitude: 1 deg. 10 min. E. elevation: 250m. remarks: Sown April, harvested September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512489 donor id: C-C-17. origin: Spain. collector id: C-C-17. locality: Property reserve, Mollerusa, Lerida Province. latitude: 41 deg. 35 min. N. longitude: 1 deg. 10 min. E. elevation: 250m. remarks: Sown April, harvested September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512490 donor id: C-C-18. origin: Spain. collected: August 3, 1984. collector id: C-C-18. locality: Property reserve, Mollerusa, Lerida Province. latitude: 41 deg. 35 min. N. longitude: 1 deg. 10 min. W. elevation: 250m. remarks: Sown April, harvested September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512491 donor id: C-C-19. origin: Spain. collected: October 9, 1984. collector id: C-C-19. locality: Property reserve, Mollerusa, Lerida Province. latitude: 41 deg. 35 min. N. longitude: 1 deg. 10 min. W. elevation: 250m. remarks: Sown April, harvested in September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512492 donor id: CM-C-2. origin: Spain. collected: October 9, 1984. collector id: CM-C-2. locality: Farmland, Retamoso de la Jara, Toledo Province. latitude: 39 deg. 43 min. N. longitude: 4 deg. 46 min. W. elevation: 608m. remarks: Sown early May, harvested July-August. Skin wrinkled, dark green. Fruit flesh is slightly sweet. Used for desserts. Annual. Primitive Cultivar. Seed.

PI 512408 to 512589-continued

- PI 512493 donor id: CM-C-3. origin: Spain. collected: October 9, 1984. collector id: CM-C-3. locality: Farmland, Retamoso de la Jara, Toledo Province. latitude: 39 deg. 43 min. N. longitude: 4 deg. 46 min. W. elevation: 608m. remarks: Sown early May, harvested July-August. Fruit skin is green-yellow. Fruit sweet. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512494 donor id: CM-C-4. origin: Spain. collected: October 9, 1984. collector id: CM-C-4. locality: Farmland, 1 km toward Jarandilla de La Vera, Laceres Province. latitude: 40 deg. 1 min. N. longitude: 5 deg. 6 min. W. elevation: 585m. remarks: Sown in early May, harvested in July-August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512495 donor id: CM-C-8. origin: Spain. collected: September 21, 1984. collector id: CM-C-8. locality: Farmland, Azutan, Toledo Province. latitude: 39 deg. 45 min. N. longitude: 5 deg. 9 min. W. elevation: 329m. remarks: Sown April, harvested September. Annual. Primitive Cultivar. Seed.
- PI 512496 donor id: E-C-1. origin: Spain. collected: August 14, 1984. collector id: E-C-1. locality: Farmland, 1 km toward Jarandilla de la Vera, Caceres Province. latitude: 40 deg. 1 min. N. longitude: 5 deg. 6 min. E. elevation: 585m. remarks: Sown March, harvested August. Cultivated for five years in Jarandilla. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512497 donor id: E-C-2. origin: Spain. collected: August 24, 1984. collector id: E-C-2. locality: Property, Caceres, Caceres Province. latitude: 39 deg. 30 min. N. longitude: 6 deg. 30 min. W. elevation: 439m. remarks: Sown March, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512498 donor id: E-C-3. origin: Spain. collected: August 24, 1984. collector id: E-C-3. locality: Farmland, 1 km toward Jarandilla de la Vera, Caceres Province. latitude: 39 deg. 30 min. N. longitude: 6 deg. 30 min. W. elevation: 439m. remarks: Sown March, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512499 donor id: E-C-4. origin: Spain. collected: August 24, 1984. collector id: E-C-4. locality: Property, Caceres, Caceres Province. latitude: 39 deg. 30 min. N. longitude: 6 deg. 30 min. W. elevation: 439m. remarks: Sown March, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.

PI 512408 to 512589-continued

- PI 512500 donor id: E-C-5. origin: Spain. collected: August 24, 1984. collector id: E-C-5. locality: Property, Caceres, Caceres Province. latitude: 39 deg. 30 min. N. longitude: 6 deg. 30 min. W. elevation: 439m. remarks: Sown March, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512501 donor id: E-C-6. origin: Spain. collected: August 24, 1984. collector id: E-C-6. locality: Property, Caceres, Caceres Province. latitude: 39 deg. 30 min. N. longitude: 6 deg. 30 min. W. elevation: 439m. remarks: Sown March, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512502 donor id: E-C-7. origin: Spain. collected: August 24, 1984. collector id: E-C-7. locality: Property, Caceres, Caceres Province. latitude: 39 deg. 30 min. N. longitude: 6 deg. 30 min. W. elevation: 439m. remarks: Sown March, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512503 donor id: E-C-8. origin: Spain. collected: August 24, 1984. collector id: E-C-8. locality: Property, Caceres, Caceres Province. latitude: 39 deg. 30 min. N. longitude: 6 deg. 30 min. W. elevation: 439m. remarks: Sown in March, harvested in August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512504 donor id: E-C-9. origin: Spain. collected: August 23, 1984. collector id: E-C-9. locality: Property reserve, 3km toward Hervas, Caceres Province. latitude: 40 deg. 4 min. N. longitude: 00 deg. 6 min. W. elevation: 700m. remarks: Sown March, harvested September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512505 donor id: E-C-10. origin: Spain. collected: August 23, 1984. collector id: E-C-10. locality: Property reserve, 3km toward Hervas, Caceres Province. latitude: 40 deg. 4 min. N. elevation: 700m. remarks: Sown March, harvested September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512506 donor id: E-C-11. origin: Spain. collected: August 22, 1984. collector id: E-C-11. locality: Property reserve, 3km toward Hoyos, Caceres Province. latitude: 40 deg. 2 min. N. longitude: 6 deg. 7 min. W. elevation: 320m. remarks: Sown March, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.

PI 512408 to 512589-continued

- PI 512507 donor id: E-C-12. origin: Spain. collected: August 22, 1984. collector id: E-C-12. locality: Property reserve, 3km from Hoyos, Caceres Province. latitude: 40 deg. 02 min. N. longitude: 6 deg. 7 min. W. elevation: 320m. remarks: Sown March, harvested August. Seeds are mixed with some seeds of Sandia type. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512508 donor id: E-C-13. origin: Spain. collected: August 25, 1984. collector id: E-C-13. locality: Property reserve, Badajoz, Badajoz Province. latitude: 38 deg. 50 min. N. longitude: 6 deg. 58 min. W. elevation: 188m. remarks: Sown April, harvested September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512509 donor id: E-C-14. origin: Spain. collected: August 25, 1984. collector id: E-C-14. locality: Property reserve, Badajoz, Badajoz Province. latitude: 38 deg. 50 min. N. longitude: 6 deg. 58 min. W. elevation: 188m. remarks: Sown April, harvested September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512510 donor id: E-C-15. origin: Spain. collected: August 25, 1984. collector id: E-C-15. locality: Property reserve, Badajoz, Badajoz Province. latitude: 38 deg. 50 min. N. longitude: 6 deg. 58 min. W. elevation: 188m. remarks: Sown April, harvested September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512511 donor id: E-C-16. origin: Spain. collected: August 25, 1984. collector id: E-C-16. locality: Property reserve, Badajoz, Badajoz Province. latitude: 38 deg. 50 min. N. longitude: 6 deg. 58 min. W. elevation: 188m. remarks: Sown April, harvested September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512512 donor id: E-C-17. origin: Spain. collected: August 25, 1984. collector id: E-C-17. locality: Property reserve, Badajoz, Badajoz Province. latitude: 38 deg. 50 min. N. longitude: 6 deg. 58 min. W. elevation: 188m. remarks: Sown April, harvested September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512513 donor id: E-C-18. origin: Spain. collected: August 26, 1984. collector id: E-C-18. locality: Property reserve, La Haba, Badajos Province. latitude: 38 deg. 55 min. N. longitude: 5 deg. 50 min. W. elevation: 303m. remarks: Sown April, harvested September. Used for desserts. Annual. Primitive Cultivar. Seed.

PI 512408 to 512589-continued

- PI 512514 donor id: E-C-19. origin: Spain. collected: August 26, 1984. collector id: E-C-19. locality: Property reserve, La Haba, Badajos Province. latitude: 38 deg. 55 min. N. longitude: 5 deg. 50 min. W. elevation: 303m. remarks: Sown April, harvested September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512515 donor id: E-C-20. origin: Spain. collected: August 26, 1984. collector id: E-C-20. locality: Property reserve, Casa-San Pedro, Badajos Province. latitude: 39 deg. 10 min. N. longitude: 5 deg. 25 min. W. elevation: 386m. remarks: Sown April, harvested September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512516 donor id: E-C-21. origin: Spain. collected: August 27, 1984. collector id: E-C-21. locality: Property reserve, Villafranca de los Barros, Badajos Province. latitude: 38 deg. 30 min. N. longitude: 6 deg. 25 min. W. elevation: 409m. remarks: Sown April, harvested September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512517 donor id: E-C-22. origin: Spain. collected: August 27, 1984. collector id: E-C-22. locality: Property reserve, Tierra de Barros, Badajos Province. latitude: 38 deg. 30 min. N. longitude: 6 deg. 25 min. W. elevation: 409m. remarks: Sown April, harvested September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512518 donor id: E-C-23. origin: Spain. collected: August 27, 1984. collector id: E-C-23. locality: Property reserve, Tierra de Barros, Badajos Province. latitude: 38 deg. 30 min. N. longitude: 6 deg. 25 min. W. elevation: 409m. remarks: Sown April, harvested September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512519 donor id: E-C-24. origin: Spain. collected: August 27, 1984. collector id: E-C-24. locality: Property reserve, Tierra de Barros, Badajos Province. latitude: 38 deg. 30 min. N. longitude: 6 deg. 25 min. W. elevation: 409m. remarks: Sown April, harvested September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512520 donor id: E-C-25. origin: Spain. collected: August 21, 1984. collector id: E-C-25. locality: Village market, Casar de Palomero, Caceres Province. latitude: 40 deg. 6 min. N. longitude: 6 deg. 4 min. W. elevation: 513m. remarks: Sown March-April, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.

PI 512408 to 512589-continued

- PI 512521 donor id: E-C-27. origin: Spain. collected: August 20, 1984. collector id: E-C-27. locality: Property reserve, 3km N of Alagon del Caudillo, Caceres Province. latitude: 39 deg. 9 min. N. longitude: 6 deg. 2 min. W. elevation: 320m. remarks: Sown April, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512522 donor id: E-C-28. origin: Spain. collected: August 19, 1984. collector id: E-C-28. locality: Village market, 2km from Almendralejo, Badajoz Province. latitude: 38 deg. 6 min. N. longitude: 6 deg. 3 min. W. elevation: 335m. remarks: Sown April, harvested August. Fruit large and sweet. Floury texture. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512523 donor id: E-C-29. origin: Spain. collected: August 19, 1984. collector id: E-C-29. locality: Village market, 2km from Almendralejo, Badajoz Province. latitude: 38 deg. 6 min. N. longitude: 6 deg. 3 min. W. elevation: 335m. remarks: Sown April, harvested August. Fruit sweet. Fresh flowery texture. Storable after harvest. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512524 donor id: E-C-30. origin: Spain. collected: August 19, 1984. collector id: E-C-30. locality: Village market, 2km from Almendralejo, Badajoz Province. latitude: 38 deg. 6 min. N. longitude: 6 deg. 3 min. W. elevation: 335m. remarks: Sown in April, harvested in August. Storable after harvest. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512525 donor id: E-C-32. origin: Spain. collected: August 24, 1984. collector id: E-C-32. locality: Property reserve, in Caceres Province. latitude: 39 deg. 30 min. N. longitude: 6 deg. 30 min. W. elevation: 439m. remarks: Sown April, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512526 donor id: V-C-2. origin: Spain. collected: June 18, 1984. collector id: V-C-2. locality: La Dunta, Valencia Province. latitude: 39 deg. 26 min. N. longitude: 0 deg. 20 min. W. elevation: 13m. remarks: Transplanted March, harvested July. Used for fresh consumption. Annual. Seed.
- PI 512527 donor id: V-C-4. origin: Spain. collected: June 14, 1984. collector id: V-C-4. locality: Farmland, Venta del Moro, Valencia Province. latitude: 39 deg. 28 min. N. longitude: 1 deg. 20 min. W. elevation: 730m. remarks: Sown July-May, harvested August. Grown for local consumption only. Used for desserts. Annual. Primitive Cultivar. Seed.

PI 512408 to 512589-continued

- PI 512528 donor id: V-C-6. origin: Spain. collected: June 14, 1984. collector id: V-C-6. locality: Farmland, Venta del Moro, Valencia Province. latitude: 39 deg. 28 min. N. longitude: 1 deg. 20 min. W. elevation: 730m. remarks: Sown May, harvested August. Fruit skin very fine. Used for consumption. Annual. Primitive Cultivar. Seed.
- PI 512529 donor id: V-C-11. origin: Spain. collected: June 15, 1984. collector id: V-C-11. locality: Farmland, Siete Aguas, Valencia Province. latitude: 39 deg. 29 min. N. longitude: 0 deg. 52 min. W. elevation: 700m. remarks: Sown March, harvested August. Annual. Primitive Cultivar. Seed.
- PI 512530 donor id: V-C-12. origin: Spain. collected: June 14, 1984. collector id: V-C-12. locality: Farmland, Villar del Arzobispo, Valencia Province. latitude: 39 deg. 44 min. N. longitude: 0 deg. 50 min. W. elevation: 520m. remarks: Sown April, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512531 donor id: V-C-17. origin: Spain. collected: July 18, 1984. collector id: V-C-17. locality: Farmland, Rosell, Castellon de la Plana Province. latitude: 40 deg. 10 min. N. longitude: 0 deg. 12 min. W. elevation: 260m. remarks: Sown June, harvested August. Used for self-consumption. Annual. Cultivar. Seed.
- PI 512532 donor id: V-C-19. origin: Spain. collected: July 20, 1984. collector id: V-C-19. locality: Farmland, 1 km W of Xalo, Alicante Province. latitude: 38 deg. 45 min. N. longitude: 0 deg. 2 min. W. elevation: 200m. remarks: Sown March-April, harvested July-August. Used for local consumption. Annual. Wild. Seed.
- PI 512533 donor id: V-C-21. origin: Spain. collected: July 20, 1984. collector id: V-C-21. locality: Farmland, 2km E of Lliber, Alicante Province. latitude: 38 deg. 45 min. N. longitude: 0 deg. 0 min. W. elevation: 200m. remarks: Sown May or April, harvested August. Used for local consumption. Annual. Wild. Seed.
- PI 512534 donor id: V-C-22. origin: Spain. collected: July 20, 1984. collector id: V-C-22. locality: Farmland, 0.5km S of Lliber, Alicante Province. latitude: 38 deg. 45 min. N. longitude: 0 deg. 0 min. W. elevation: 200m. remarks: Sown May, harvested August. Used for local consumption. Annual. Wild. Seed.

PI 512408 to 512589-continued

- PI 512535 donor id: V-C-23. origin: Spain. collected: July 20, 1984. collector id: V-C-23. locality: Farmland, 0.5km S of Lliber, Alicante Province. latitude: 38 deg. 45 min. N. longitude: 0 deg. 0 min. W. elevation: 200m. remarks: Sown May, harvested August. Used for local consumption. Annual. Wild. Seed.
- PI 512536 donor id: V-C-26. origin: Spain. collected: July 19, 1984. collector id: V-C-26. locality: Yard in Benisa, Alicante Province. latitude: 38 deg. 42 min. N. longitude: 0 deg. 2 min. W. elevation: 274m. remarks: Sown March-April, harvested July. Used for local consumption. Annual. Cultivar. Seed.
- PI 512537 donor id: V-C-28. origin: Spain. collected: July 21, 1984. collector id: V-C-28. locality: Farmland, 3km SE of Novelda, Alicante Province. latitude: 38 deg. 00 min. N. longitude: 0 deg. 0 min. W. elevation: 280m. remarks: Sown in spring, harvested in summer. Used for local consumption. Annual. Wild. Seed.
- PI 512538 donor id: V-C-29. origin: Spain. collected: July 21, 1984. collector id: V-C-29. locality: Farmland, 2km S of Novelda, Alicante Province. latitude: 38 deg. 00 min. N. longitude: 1 deg. W. elevation: 280m. remarks: Sown in spring, harvested in summer. Used for local consumption. Annual. Wild. Seed.
- PI 512539 donor id: V-C-30. origin: Spain. collected: July 21, 1984. collector id: V-C-30. locality: Farmland, 2km S of Novelda, Alicante Province. latitude: 38 deg. 00 min. N. longitude: 0 deg. W. elevation: 270m. remarks: Sown in spring, harvested in summer. Used for local consumption. Annual. Wild. Seed.
- PI 512540 donor id: V-C-32. origin: Spain. collected: July 19, 1984. collector id: V-C-32. locality: Property reserve, 2km S of Benisa, Alicante Province. latitude: 38 deg. 42 min. N. longitude: 0 deg. 2 min. W. elevation: 100m. remarks: Sown March, harvested August. Annual. Wild. Seed.
- PI 512541 donor id: V-C-33. origin: Spain. collected: July 10, 1984. collector id: V-C-33. locality: Farmland, 2km S of Benisa, Alicante Province. latitude: 38 deg. 42 min. N. longitude: 0 deg. 2 min. W. elevation: 100m. remarks: Sown March-April, harvested July-August. Used for local consumption. Annual. Cultivar. Seed.

PI 512408 to 512589-continued

- PI 512542 donor id: V-C-34. origin: Spain. collected: July 19, 1984. collector id: V-C-34. locality: Property reserve, 2km S of Benisa, Alicante Province. latitude: 38 deg. 42 min. N. longitude: 0 deg. 2 min. W. elevation: 100m. remarks: Sown March, harvested August. Annual. Cultivar. Seed.
- PI 512543 donor id: V-C-35. origin: Spain. collected: July 19, 1984. collector id: V-C-35. locality: Property reserve, 2km S of Benisa, Alicante Province. latitude: 38 deg. 42 min. N. longitude: 0 deg. 2 min. W. elevation: 100m. remarks: Sown March, harvested August. Annual. Cultivar. Seed.
- PI 512544 donor id: V-C-36. origin: Spain. collected: July 19, 1984. collector id: V-C-36. locality: Property reserve, 2km S of Benisa, Alicante Province. latitude: 38 deg. 42 min. N. longitude: 0 deg. 2 min. W. elevation: 100m. remarks: Sown March, harvested August. Annual. Cultivar. Seed.
- PI 512545 donor id: V-C-37. origin: Spain. collected: July 19, 1984. collector id: V-C-37. locality: Property reserve, 2km S of Benisa, Alicante Province. latitude: 38 deg. 42 min. N. longitude: 0 deg. 2 min. W. elevation: 100m. remarks: Sown March, harvested August. Annual. Cultivar. Seed.
- PI 512546 donor id: V-C-38. origin: Spain. collected: July 19, 1984. collector id: V-C-38. locality: Property reserve, 2km S of Benisa, Alicante Province. latitude: 38 deg. 42 min. N. longitude: 0 deg. 2 min. W. elevation: 100m. remarks: Sown March, harvested August. Annual. Cultivar. Seed.
- PI 512547 donor id: V-C-39. origin: Spain. collected: July 19, 1984. collector id: V-C-39. locality: Property reserve, 2km S of Benisa, Alicante Province. latitude: 38 deg. 42 min. N. longitude: 0 deg. 2 min. W. elevation: 100m. remarks: Sown March, harvested August. Annual. Cultivar. Seed.
- PI 512548 donor id: V-C-40. origin: Spain. collected: July 19, 1984. collector id: V-C-40. locality: Property reserve, 2km S of Benisa, Alicante Province. latitude: 38 deg. 42 min. N. longitude: 0 deg. 2 min. W. elevation: 100m. remarks: Sown March, harvested August. Annual. Cultivar. Seed.

PI 512408 to 512589-continued

- PI 512549 donor id: V-C-43. origin: Spain. collected: July 10, 1984. collector id: V-C-43. locality: Property reserve, 1 km W of Algar, Valencia Province. latitude: 39 deg. 47 min. N. longitude: 0 deg. 22 min. W. elevation: 204m. remarks: Sown April, harvested August. Used for desserts. Annual. Cultivar. Seed.
- PI 512550 donor id: V-C-44. origin: Spain. collected: July 10, 1984. collector id: V-C-44. locality: Property reserve, 1 km W of Algar, Valencia Province. latitude: 39 deg. 47 min. N. longitude: 0 deg. 22 min. W. elevation: 204m. remarks: Sown April, harvested July-August. Used for local consumption. Annual. Cultivar. Seed.
- PI 512551 donor id: V-C-45. origin: Spain. collected: July 10, 1984. collector id: V-C-45. locality: Property reserve, 1 km W of Algar, Valencia Province. latitude: 39 deg. 47 min. N. longitude: 0 deg. 22 min. W. elevation: 204m. remarks: Sown April, harvested August. Used for local consumption. Annual. Cultivar. Seed.
- PI 512552 donor id: V-C-46. origin: Spain. collected: July 10, 1984. collector id: V-C-46. locality: Property reserve, 1 km W of Algar, Valencia Province. latitude: 39 deg. 47 min. N. longitude: 0 deg. 22 min. W. elevation: 204m. remarks: Sown April, harvested July. Used for local consumption. Annual. Cultivar. Seed.
- PI 512553 donor id: V-C-47. origin: Spain. collected: July 24, 1984. collector id: V-C-47. locality: Property reserve, 0.2km E of Canada. Alicante Province. latitude: 38 deg. 41 min. N. longitude: 0 deg. 48 min. W. elevation: 500m. remarks: Sown April, harvested August-September. Used to make fruit jam. Annual. Cultivar. Seed.
- PI 512554 donor id: V-C-50. origin: Spain. collected: July 18, 1984. collector id: V-C-50. locality: Property reserve, 4km from Pobla de Benefacar, Castellon de la Plana Province. latitude: 40 deg. 40 min. N. longitude: 0 deg. 12 min. W. elevation: 600m. remarks: Sown May, harvested August-September. Used for self-consumption. Annual. Cultivar. Seed.
- PI 512555 donor id: V-C-52. origin: Spain. collected: August 5, 1984. collector id: V-C-52. locality: Property reserve, 1 km E of Novelda, Alicante Province. latitude: 38 deg. 22 min. N. longitude: 0 deg. 45 min. W. elevation: 290m. remarks: Sown in spring, harvested in summer. Used for local consumption. Annual. Cultivar. Seed.

PI 512408 to 512589-continued

- PI 512556 donor id: V-C-54. origin: Spain. collected: September 21, 1984. collector id: V-C-54. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 5 min. N. longitude: 1 deg. 16 min. W. elevation: 670m. remarks: Sown early February, harvested mid July. Fruit skin is yellow, fairly smooth without spots. Taste is good, sweet. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512557 donor id: V-C-55. origin: Spain. collected: September 21, 1984. collector id: V-C-55. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 5 min. N. longitude: 1 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Mix of two types of seeds. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512558 donor id: V-C-56. origin: Spain. collected: September 21, 1984. collector id: V-C-56. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 5 min. N. longitude: 1 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Fruit skin similar to a frog, small. No taste. No odor. Flesh green. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512559 donor id: V-C-57. origin: Spain. collected: September 21, 1984. collector id: V-C-57. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 5 min. N. longitude: 1 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Fruit green. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512560 donor id: V-C-62. origin: Spain. collected: September 21, 1984. collector id: V-C-62. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 5 min. N. longitude: 1 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512561 donor id: V-C-63. origin: Spain. collected: September 21, 1984. collector id: V-C-63. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 5 min. N. longitude: 1 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512562 donor id: V-C-64. origin: Spain. collected: September 21, 1984. collector id: V-C-64. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 5 min. N. longitude: 1 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Used for desserts. Annual. Primitive Cultivar. Seed.

PI 512408 to 512589-continued

- PI 512563 donor id: V-C-66. origin: Spain. collected: September 22, 1984. collector id: V-C-66. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 2 min. N. longitude: 1 deg. 15 min. W. elevation: 900m. remarks: Sown April, harvested August-September. Fruit yellow and sweet. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512564 donor id: V-C-67. origin: Spain. collected: September 23, 1984. collector id: V-C-67. locality: Farmland, Chulilla, Valencia Province. latitude: 39 deg. 40 min. N. longitude: 0 deg. 52 min. W. elevation: 400m. remarks: Sown April, harvested August-September. Fruit yellow. Flesh sweet, green. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512565 donor id: V-C-68. origin: Spain. collected: September 23, 1984. collector id: V-C-68. locality: Farmland, Chulilla, Valencia Province. latitude: 39 deg. 40 min. N. longitude: 0 deg. 52 min. W. elevation: 400m. remarks: Sown April, harvested August-September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512566 donor id: V-C-70. origin: Spain. collected: September 23, 1984. collector id: V-C-70. locality: Farmland, 5km E from Onda to Villareal, Castellon de la Plana Province. latitude: 39 deg. 58 min. N. longitude: 0 deg. 17 min. W. elevation: 60m. remarks: Sown April, harvested August. Used for local consumption. Annual. Cultivar. Seed.
- PI 512567 donor id: V-C-71. origin: Spain. collected: September 23, 1984. collector id: V-C-71. locality: Farmland, 5km E from Onda to Villareal, Castellon de la Province. latitude: 39 deg. 58 min. N. longitude: 0 deg. 17 min. W. elevation: 60m. remarks: Sown April, harvested August. Used for local consumption. Annual. Cultivar. Seed.
- PI 512568 donor id: V-C-72. origin: Spain. collected: September 23, 1984. collector id: V-C-72. locality: Property reserve, 5km E from Onda to Villareal, Castellon de la Plana Province. latitude: 39 deg. 58 min. N. longitude: 0 deg. 17 min. W. elevation: 60m. remarks: Sown April, harvested August. Used for local consumption. Annual. Cultivar. Seed.

PI 512408 to 512589-continued

- PI 512569 donor id: V-C-73. origin: Spain. collected: September 23, 1984. collector id: V-C-73. locality: Property reserve, 5km E from Onda to Villareal, Castellon de la Plana Province. latitude: 39 deg. 58 min. N. longitude: 0 deg. 17 min. W. elevation: 60m. remarks: Sown April, harvested August. Used for local consumption. Annual. Cultivar. Seed.
- PI 512570 donor id: V-C-74. origin: Spain. collected: September 23, 1984. collector id: V-C-74. locality: Property reserve, 5km E from Onda to Villareal, Castellon de la Plana Province. latitude: 39 deg. 58 min. N. longitude: 0 deg. 17 min. W. elevation: 60m. remarks: Sown April, harvested August. Used for local consumption. Annual. Cultivar. Seed.
- PI 512571 donor id: V-C-75. origin: Spain. collected: September 23, 1984. collector id: V-C-75. locality: Property reserve, 5km E from Onda to Villareal, Castellon de la Plana Province. latitude: 39 deg. 58 min. N. longitude: 0 deg. 17 min. W. elevation: 60m. remarks: Sown April, harvested August. Used for local consumption. Annual. Cultivar. Seed.
- PI 512572 donor id: V-C-76. origin: Spain. collected: September 23, 1984. collector id: V-C-76. locality: Property reserve, Fanzara, Castellon de la Plana Province. latitude: 40 deg. 3 min. N. longitude: 0 deg. 20 min. W. elevation: 120m. remarks: Sown February-March, harvested August. Used for local consumption. Annual. Cultivar. Seed.
- PI 512573 donor id: V-C-79. origin: Spain. collected: September 23, 1984. collector id: V-C-79. locality: Property reserve, Fanzara, Castellon de la Plana Province. latitude: 40 deg. 3 min. N. longitude: 0 deg. 20 min. W. elevation: 120m. remarks: Sown February-March, harvested August. Used for local consumption. Annual. Cultivar. Seed.
- PI 512574 donor id: V-C-80. origin: Spain. collected: September 23, 1984. collector id: V-C-80. locality: Property reserve, Fanzara, Castellon de la Plana Province. latitude: 40 deg. 3 min. N. longitude: 0 deg. 20 min. W. elevation: 120m. remarks: Sown February-March, harvested August. Used for local consumption. Annual. Cultivar. Seed.

PI 512408 to 512589-continued

- PI 512575 donor id: V-C-81. origin: Spain. collected: September 23, 1984. collector id: V-C-81. locality: Farmland, Argelita, Castellon de la Plana Province. latitude: 40 deg. 3 min. N. longitude: 0 deg. 21 min. W. elevation: 311m. remarks: Sown February-March, harvested August. Used for local consumption. Annual. Cultivar. Seed.
- PI 512576 donor id: V-C-82. origin: Spain. collected: September 23, 1984. collector id: V-C-82. locality: Property reserve, Vallat, Castellon de la Plana Province. latitude: 40 deg. 5 min. N. longitude: 0 deg. 20 min. W. elevation: 300m. remarks: Sown February-March, harvested September-October. Used for local consumption. Annual. Cultivar. Seed.
- PI 512577 donor id: V-C-83. origin: Spain. collected: September 28, 1984. collector id: V-C-83. locality: Farmland, 1.5km from S Fontaneres, Valencia Province. latitude: 38 deg. 47 min. N. longitude: 0 deg. 47 min. W. elevation: 600m. remarks: Sown May, harvested September. Irrigated only when planted. Used for fresh consumption. Annual. Cultivar. Seed.
- PI 512578 donor id: V-C-84. origin: Spain. collected: October 8, 1984. collector id: V-C-84. locality: S.E.A. institution, Sativa, Valencia Province. latitude: 39 deg. 0 min. N. longitude: 0 deg. 32 min. W. elevation: 115m. remarks: Sown May, harvested September. Used for local consumption. Annual. Seed.
- PI 512579 donor id: V-C-87. origin: Spain. collected: June 25, 1984. collector id: V-C-87. locality: Property reserve, Museros, Valencia Province. latitude: 39 deg. 34 min. N. longitude: 0 deg. 20 min. W. elevation: 12m. Annual. Cultivar. Seed.
- PI 512580 donor id: V-C-90. origin: Spain. collected: October 25, 1984. collector id: V-C-90. locality: Farmland, Vallamalefa, Valencia Province. latitude: 40 deg. 9 min. N. longitude: 0 deg. 24 min. W. elevation: 808m. remarks: Sown March, harvested June. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512581 donor id: V-C-92. origin: Spain. collected: October 23, 1984. collector id: V-C-92. locality: Farmland, 4km E of Onda, Castellon de la Plana Province. latitude: 35 deg. 58 min. N. longitude: 0 deg. 17 min. W. elevation: 60m. remarks: Sown March, harvested August. Used for self-consumption. Annual. Cultivar. Seed.

PI 512408 to 512589-continued

- PI 512582 donor id: V-C-95. origin: Spain. collected: July 1984. collector id: V-C-95. locality: Farmland, Villamarchante, Valencia Province. latitude: 39 deg. 35 min. N. longitude: 0 deg. 40 min. W. elevation: 160m. remarks: Sown April-March, harvested July. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512583 donor id: V-C-96. origin: Spain. collected: June 1984. collector id: V-C-96. locality: Farmland, Albocacer, Castellon del la Plana Province. latitude: 40 deg. 20 min. N. longitude: 0 deg. 2 min. W. elevation: 550m. remarks: Sown April, harvested August-September. Used for self-consumption. Annual. Primitive Cultivar. Seed.
- PI 512584 donor id: V-C-97. origin: Spain. collector id: V-C-97. locality: Property reserve, Valencia, Valencia Province. latitude: 39 deg. 30 min. N. longitude: 0 deg. 25 min. W. elevation: 13m. remarks: Sown March, harvested August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512585 donor id: V-C-98. origin: Spain. collected: March 9, 1984. collector id: V-C-98. locality: Property reserve, Sinarces, Valencia Province. latitude: 39 deg. 43 min. N. longitude: 1 deg. 14 min. W. elevation: 900m. Annual. Primitive Cultivar. Seed.
- PI 512586 donor id: V-C-100. origin: Spain. collected: March 9, 1984. collector id: V-C-100. locality: Property reserve, NW Sinarces, Valencia Province. latitude: 39 deg. 43 min. N. longitude: 1 deg. 14 min. W. elevation: 800m. Annual. Primitive Cultivar. Seed.
- PI 512587 donor id: V-C-101. origin: Spain. collected: December 5, 1984. collector id: V-C-101. locality: S.E.A. institution, Castellon, Castellon de la Plana Province. latitude: 39 deg. 58 min. N. longitude: 0 deg. 2 min. W. elevation: 30m. remarks: Sown March, harvested August. Used for desserts. Very early, flavorful. Annual. Primitive Cultivar. Seed.
- PI 512588 donor id: V-C-102. origin: Spain. collected: October 23, 1984. collector id: V-C-102. latitude: 40 deg. 3 min. N. longitude: 0 deg. 20 min. W. elevation: 120m. remarks: Sown March, harvested August. Annual. Seed.
- PI 512589 donor id: V-C-103. origin: Spain. collected: 1984. collector id: V-C-103. locality: Torre Baja, Cuenca Province. latitude: 40 deg. 5 min. N. longitude: 1 deg. 16 min. W. elevation: 760m. remarks: Sown March, harvested August-September. Annual. Seed.

PI 512590 to 512593. *Cucumis melo* var. *flexuosus* (L.) Naud.
CUCURBITACEAE

Donated by: Nuez, F.V., Dep. De Genetica y Mejora, Univ.
Politecnica, Camino de Vera, 14, Valencia, Valencia, Spain.
remarks: Received through IBPGR, Rome, Italy. Received July 22,
1985.

PI 512590 donor id: V-C-31. origin: Spain. collected: July 19,
1984. collector id: V-C-31. locality: Property reserve,
3km W of Novelda, Alicante Province. latitude: 38 deg.
N. longitude: 0 deg. W. elevation: 290m. remarks: Sown
in spring. harvested in summer. Used for domestic use.
Annual. Wild. Seed.

PI 512591 donor id: V-C-41. origin: Spain. collected: July 19,
1984. collector id: V-C-41. locality: Property reserve,
2km S of Benisa, Alicante Province. latitude: 38 deg. 42
min. N. longitude: 0 deg. 2 min. W. elevation: 100m.
remarks: Sown March, harvested July. Used for local
consumption. Annual. Cultivar. Seed.

PI 512592 donor id: V-C-51. origin: Spain. collected: August 5,
1984. collector id: V-C-51. locality: Property reserve,
1km E of Novelda, Alicante Province. latitude: 38 deg.
22 min. N. longitude: 0 deg. 45 min. W. elevation:
290m. remarks: Sown in spring, harvested in summer. Used
for local consumption. Annual. Cultivar. Seed.

PI 512593 donor id: V-C-53. origin: Spain. collected: September
10, 1984. collector id: V-C-53. locality: Property
reserve, Massauragrell, Valencia Province. latitude: 39
deg. 26 min. N. longitude: 0 deg. 20 min. W. elevation:
11m. remarks: Sown May-June, harvested August. Used for
self-consumption. Annual. Cultivar. Seed.

PI 512594 to 512644. *Cucumis sativus* L. CUCURBITACEAE

Donated by: Nuez, F.V., Dep. De Genetica y Mejora, Univ.
Politecnica, Camino de Vera, 14, Valencia, Valencia, Spain.
remarks: Received through IBPGR, Rome, Italy. Received July 22,
1985.

PI 512594 donor id: A-C-1. origin: Spain. collector id: A-C-1.
locality: Farmland, 0.5km S of Sarrion, Teruel Province.
latitude: 40 deg. 10 min. N. longitude: 0 deg. 50 min.
W. elevation: 991m. remarks: Sown April, harvested
June. Used for fresh consumption. Annual. Primitive
Cultivar. Seed.

PI 512594 to 512644-continued

- PI 512595 donor id: A-C-2. origin: Spain. collector id: A-C-2. locality: Farmland, 1.5km E of Albarracin, Teruel Province. latitude: 40 deg. 22 min. N. longitude: 1 deg. 28 min. W. elevation: 1171m. remarks: Sown May, harvested August-September. Used for regular consumption. Annual. Cultivar. Seed.
- PI 512596 donor id: A-C-3. origin: Spain. collected: October 25, 1984. collector id: A-C-3. locality: Farmland, Torres de Albarracin, Teruel Province. latitude: 40 deg. 22 min. N. longitude: 1 deg. 32 min. W. elevation: 1237m. remarks: Sown May, harvested September. Used for regular consumption. Annual. Cultivar. Seed.
- PI 512597 donor id: A-C-5. origin: Spain. collected: October 24, 1984. collector id: A-C-5. locality: Farmland, 0.2km NE of Gea de Albarracin, Teruel Province. latitude: 40 deg. 22 min. N. longitude: 1 deg. 22 min. W. elevation: 1031m. remarks: Sown May, harvested August. Used for regular consumption. Annual. Cultivar. Seed.
- PI 512598 donor id: A-C-6. origin: Spain. collected: October 24, 1984. collector id: A-C-6. locality: Institution in Gea de Albarracin, Teruel Province. latitude: 40 deg. 22 min. N. longitude: 1 deg. 25 min. W. elevation: 1031m. remarks: Sown May, harvested September. Used for regular consumption. Annual. Cultivar. Seed.
- PI 512599 donor id: A-C-7. origin: Spain. collected: October 24, 1984. collector id: A-C-7. locality: Farmland, Tramacastilla, Teruel Province. latitude: 40 deg. 25 min. N. longitude: 1 deg. 35 min. W. elevation: 1260m. remarks: Sown May, harvested August. Used for regular consumption. Annual. Cultivar. Seed.
- PI 512600 donor id: A-C-8. origin: Spain. collected: October 24, 1984. collector id: A-C-8. locality: Farmland, Geo de Albarracin, Teruel Province. latitude: 40 deg. 22 min. N. longitude: 1 deg. 25 min. W. elevation: 1031m. remarks: Sown May, harvested September. Used for regular consumption. Annual. Cultivar. Seed.
- PI 512601 donor id: A-C-10. origin: Spain. collected: July 24, 1984. collector id: A-C-10. locality: Property reserve, 2km N of Quicena, Huesca Province. latitude: 42 deg. 10 min. N. longitude: 0 deg. 28 min. W. elevation: 470m. remarks: Sown April, harvested August. Used for fresh consumption. Annual. Primitive Cultivar. Seed.

PI 512594 to 512644-continued

- PI 512602 donor id: A-C-12. origin: Spain. collected: August 2, 1984. collector id: A-C-12. locality: Property reserve, 1 km on the road to Jalon, Zaragoza Province. latitude: 41 deg. 40 min. N. longitude: 1 deg. 15 min. W. elevation: 300m. remarks: Sown March, harvested August. Used for fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 512603 donor id: A-C-15. origin: Spain. collected: August 10, 1984. collector id: A-C-15. locality: Property reserve, 1 km E of Lumpaigue. Zaragoza Province. latitude: 41 deg. 40 min. N. longitude: 1 deg. 15 min. W. elevation: 300m. remarks: Sown March, harvested August. Used for fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 512604 donor id: AN-C-17. origin: Spain. collected: October 10, 1984. collector id: AN-C-17. locality: Property reserve, 0.5km from Portugos, Granada Province. latitude: 36 deg. 57 min. N. longitude: 3 deg. 17 min. W. elevation: 1303m. remarks: Sown May, harvested September-October. Used for fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 512605 donor id: AN-C-18. origin: Spain. collected: October 9, 1984. collector id: AN-C-18. locality: Property reserve, 1 km from Ligijar, Granada Province. latitude: 36 deg. 55 min. N. longitude: 3 deg. 3 min. W. elevation: 900m. remarks: Sown May, harvested September-October. Used for fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 512606 donor id: AN-C-19. origin: Spain. collected: October 9, 1984. collector id: AN-C-19. locality: Property reserve, 1 km from Ligijar, Granada Province. latitude: 36 deg. 55 min. N. longitude: 3 deg. 3 min. W. elevation: 900m. remarks: Sown May, harvested September-October. Used for fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 512607 donor id: AN-C-21. origin: Spain. collected: October 11, 1984. collector id: AN-C-21. locality: Property reserve, 1 km from Purchil, Granada Province. latitude: 37 deg. 10 min. N. longitude: 3 deg. 40 min. W. elevation: 600m. remarks: Sown April-May, harvested August-September. Used for fresh consumption. Annual. Primitive Cultivar. Seed.

PI 512594 to 512644-continued

- PI 512608 donor id: AN-C-23. origin: Spain. collected: October 10, 1984. collector id: AN-C-23. locality: Property reserve, from Jinero de Libar, Malaga Province. latitude: 36 deg. 35 min. N. longitude: 5 deg. 15 min. W. elevation: 539m. remarks: Sown May, harvested August-September. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 512609 donor id: AN-C-26. origin: Spain. collected: October 9, 1984. collector id: AN-C-26. locality: Property reserve, from Bereajar, Malaga Province. latitude: 36 deg. 40 min. N. longitude: 5 deg. 15 min. W. elevation: 365m. remarks: Sown May, harvested August-September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512610 donor id: AN-C-27. origin: Spain. collected: October 9, 1984. collector id: AN-C-27. locality: Property reserve, from Roreda to Arriate, Malaga Province. latitude: 36 deg. 45 min. N. longitude: 5 deg. 9 min. W. elevation: 723m. Annual. Primitive Cultivar. Seed.
- PI 512611 donor id: AN-C-51. origin: Spain. collected: September 28, 1984. collector id: AN-C-51. locality: Property reserve, 2km from Competa, Malaga Province. latitude: 36 deg. 45 min. N. longitude: 3 deg. 58 min. W. elevation: 300m. remarks: Sown February, harvested July. Used for fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 512612 donor id: AN-C-54. origin: Spain. collected: October 11, 1984. collector id: AN-C-54. locality: Property reserve, between Los-Barrios and Benhoras, Cadiz Province. latitude: 36 deg. 10 min. N. longitude: 5 deg. 30 min. W. elevation: 23m. remarks: Sown February, harvested July. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 512613 donor id: AN-C-61. origin: Spain. collected: October 7, 1984. collector id: AN-C-61. locality: Property reserve, between Beracaz and Valle del Tavizna, Cadiz Province. latitude: 36 deg. 40 min. N. longitude: 5 deg. 26 min. W. elevation: 793m. remarks: Sown March, harvested June. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 512614 donor id: AN-C-62. origin: Spain. collected: October 7, 1984. collector id: AN-C-62. locality: Property reserve, between Beracoz and Valle del Tavizna, Cadiz Province. latitude: 36 deg. 40 min. N. longitude: 5 deg. 26 min. W. elevation: 793m. remarks: Sown March, harvested June. Used for salads. Annual. Primitive Cultivar. Seed.

PI 512594 to 512644-continued

- PI 512615 donor id: AN-C-65. origin: Spain. collected: October 7, 1984. collector id: AN-C-65. locality: Property reserve, from Grazalema, Cadiz Province. latitude: 36 deg. 45 min. N. longitude: 5 deg. 25 min. W. elevation: 829m. remarks: Sown March, harvested June. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 512616 donor id: AN-C-67. origin: Spain. collected: August 9, 1984. collector id: AN-C-67. locality: Property reserve, Tarifa, Cadiz Province. latitude: 36 deg. 2 min.. longitude: 5 deg. 33 min. W. elevation: 7m. remarks: Sown June, harvested September. Annual. Primitive Cultivar. Seed.
- PI 512617 donor id: C-C-1. origin: Spain. collected: July 20, 1984. collector id: C-C-1. locality: Property reserve, Miravet, Tarragona Province. latitude: 41 deg. 3 min. N. longitude: 0 deg. 35 min. W. elevation: 125m. remarks: Sown March, harvested July. Used for self-consumption. Annual. Cultivar. Seed.
- PI 512618 donor id: C-C-4. origin: Spain. collected: July 21, 1984. collector id: C-C-4. locality: Farmland, Torello, Barcelona Province. latitude: 41 deg. 34 min. N. longitude: 2 deg. 16 min. W. elevation: 508m. remarks: Sown May, harvested July-August. Used for fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 512619 donor id: C-C-9. origin: Spain. collected: August 3, 1984. collector id: C-C-9. locality: Property reserve, Gratallops, Tarragona Province. latitude: 41 deg. 12 min. N. longitude: 0 deg. 48 min. W. elevation: 350m. remarks: Sown March-April, harvested June. Used for self-consumption. Annual. Cultivar. Seed.
- PI 512620 donor id: CM-C-10. origin: Spain. collected: September 19, 1984. collector id: CM-C-10. locality: Property reserve, Mondejar, Guadalajara Province. latitude: 40 deg. 15 min. N. longitude: 3 deg. 5 min. W. elevation: 799m. remarks: Sown April, harvested June. Used for fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 512621 donor id: CM-C-11. origin: Spain. collected: September 18, 1984. collector id: CM-C-11. locality: Property reserve, Bolarque, Guadalajara Province. latitude: 40 deg. 20 min. N. longitude: 2 deg. 45 min. W. remarks: Sown April, harvested August. Used for fresh consumption. Annual. Primitive Cultivar. Seed.

PI 512594 to 512644-continued

- PI 512622 donor id: E-C-26. origin: Spain. collected: August 21, 1984. collector id: E-C-26. locality: Property reserve, 2km from Azabal, Caceres Province. latitude: 40 deg. 4 min. N. longitude: 6 deg. 4 min. W. elevation: 550m. remarks: Sown March, harvested August. Used for fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 512623 donor id: E-C-31. origin: Spain. collected: August 22, 1984. collector id: E-C-31. locality: Property reserve, 3km from Hoyos, Caceres Province. latitude: 40 deg. 2 min. N. longitude: 6 deg. 7 min. W. elevation: 570m. remarks: Sown February-March, harvested August. Used for fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 512624 donor id: V-C-1. origin: Spain. collected: June 15, 1984. collector id: V-C-1. locality: Farmland, Cocentaina, Alicante Province. latitude: 38 deg. 45 min. N. longitude: 0 deg. 27 min. W. elevation: 450m. remarks: Sown March-April, harvested July-August. Annual. Primitive Cultivar. Seed.
- PI 512625 donor id: V-C-3. origin: Spain. collected: June 18, 1984. collector id: V-C-3. locality: Farmland, La Punta, Valencia Province. latitude: 39 deg. 26 min. N. longitude: 0 deg. 20 min. W. elevation: 13m. remarks: Sown February, transplanted March. Harvested in July. Used for fresh consumption. Annual. Seed.
- PI 512626 donor id: V-C-10. origin: Spain. collected: June 15, 1984. collector id: V-C-10. locality: Farmland, Venta del Moro, Valencia Province. latitude: 39 deg. 28 min. N. longitude: 1 deg. 20 min. W. elevation: 730m. remarks: Sown February, transplanted March. Harvested in July. Used for fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 512627 donor id: V-C-16. origin: Spain. collected: July 18, 1984. collector id: V-C-16. locality: Farmland, Pueblo de Benifasar, Castellon de la Plana Province. latitude: 40 deg. 40 min. N. longitude: 0 deg. 12 min. W. elevation: 580m. remarks: Sown April-May, harvested June-July. Used for self-consumption. Not much water. Annual. Cultivar. Seed.
- PI 512628 donor id: V-C-27. origin: Spain. collected: July 19, 1984. collector id: V-C-27. locality: Farmland, Benisa, Alicante Province. latitude: 38 deg. 42 min. N. longitude: 0 deg. 2 min. W. elevation: 274m. remarks: Sown March, harvested June-July. Used for self consumption. Not much water. Annual. Cultivar. Seed.

PI 512594 to 512644-continued

- PI 512629 donor id: V-C-42. origin: Spain. collected: July 19, 1984. collector id: V-C-42. locality: Farmland, S. Benisa, Alicante Province. latitude: 38 deg. 42 min. N. longitude: 0 deg. 2 min. W. elevation: 200m. remarks: Sown March, harvested July. Used for local consumption. Annual. Cultivar. Seed.
- PI 512630 donor id: V-C-49. origin: Spain. collected: July 25, 1984. collector id: V-C-49. locality: Farmland, 1.5km W of Alcolesa, Alicante Province. latitude: 38 deg. 40 min. N. longitude: 0 deg. 23 min. W. elevation: 1300m. remarks: Sown June, harvested October. Used for local consumption. Annual. Cultivar. Seed.
- PI 512631 donor id: V-C-58. origin: Spain. collected: September 21, 1984. collector id: V-C-58. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 1 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Annual. Primitive Cultivar. Seed.
- PI 512632 donor id: V-C-59. origin: Spain. collected: September 21, 1984. collector id: V-C-59. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 1 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Annual. Primitive Cultivar. Seed.
- PI 512633 donor id: V-C-60. origin: Spain. collected: September 21, 1984. collector id: V-C-60. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 1 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Annual. Primitive Cultivar. Seed.
- PI 512634 donor id: V-C-61. origin: Spain. collected: September 21, 1984. collector id: V-C-61. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 1 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Annual. Primitive Cultivar. Seed.
- PI 512635 donor id: V-C-65. origin: Spain. collected: September 22, 1984. collector id: V-C-65. locality: Farmland, Casas Altas, Valencia Province. latitude: 40 deg. 2 min. N. longitude: 1 deg. 15 min. W. elevation: 900m. remarks: Sown April, harvested August-September. Annual. Primitive Cultivar. Seed.

PI 512594 to 512644-continued

- PI 512636 donor id: V-C-69. origin: Spain. collected: September 23, 1984. collector id: V-C-69. locality: Farmland, Chulilla, Valencia Province. latitude: 39 deg. 40 min. N. longitude: 0 deg. 52 min. W. elevation: 400m. remarks: Sown April, harvested August. Annual. Primitive Cultivar. Seed.
- PI 512637 donor id: V-C-85. origin: Spain. collected: October 8, 1984. collector id: V-C-85. locality: Institute S.E.A. in Sativa, Valencia Province. latitude: 39 deg. 0 min. N. longitude: 0 deg. 32 min. W. elevation: 115m. remarks: Sown May, harvested September. Used for local consumption. Annual. Primitive Cultivar. Seed.
- PI 512638 donor id: V-C-88. origin: Spain. collected: October 25, 1984. collector id: V-C-88. locality: Farmland, Figueroles, Castellon de la Plana Province. latitude: 40 deg. 8 min. N. longitude: 0 deg. 15 min. W. elevation: 340m. remarks: Sown March, harvested June. Used for self-consumption. Annual. Primitive Cultivar. Seed.
- PI 512639 donor id: V-C-89. origin: Spain. collected: October 25, 1984. collector id: V-C-89. locality: Farmland, Villa Hermosa del rio, Castellon de la Plana Province. latitude: 40 deg. 12 min. N. longitude: 0 deg. 27 min. W. elevation: 731m. remarks: Sown March, harvested June. Used for self-consumption. Annual. Primitive Cultivar. Seed.
- PI 512640 donor id: V-C-91. origin: Spain. collected: October 25, 1984. collector id: V-C-91. locality: Farmland, Giraba, Castellon de la Plana Province. latitude: 40 deg. 6 min. N. longitude: 0 deg. 22 min. W. elevation: 450m. remarks: Sown March, harvested June. Used for self-consumption. Annual. Primitive Cultivar. Seed.
- PI 512641 donor id: V-C-93. origin: Spain. collected: October 23, 1984. collector id: V-C-93. locality: Farmland, Castellon de la Plana Province. latitude: 40 deg. 3 min. N. longitude: 0 deg. 20 min. W. elevation: 120m. remarks: Sown January, transplanted March. Harvested in August. Used for self-consumption. Annual. Cultivar. Seed.
- PI 512642 donor id: V-C-94. origin: Spain. collected: October 23, 1984. collector id: V-C-94. locality: Farmland, Argelita, Castellon de la Plana Province. latitude: 40 deg. 3 min. N. longitude: 0 deg. 21 min. W. elevation: 311m. remarks: Sown April, harvested August-September. Used for self-consumption. Annual. Cultivar. Seed.

PI 512594 to 512644-continued

PI 512643 donor id: V-C-99. origin: Spain. collected: March 9, 1984. collector id: V-C-99. locality: Property reserve, NW of Sinarcas, Valencia Province. latitude: 39 deg. 43 min. N. longitude: 1 deg. 14 min. W. elevation: 900m. Annual. Primitive Cultivar. Seed.

PI 512644 donor id: V-C-104. origin: Spain. collected: 1984. collector id: V-C-104. locality: Property reserve and farmland, Torrebaja, Valencia Province. latitude: 40 deg. 5 min. N. longitude: 1 deg. 16 min. W. elevation: 760m. Annual. Primitive Cultivar. Seed.

PI 512645 to 512659. Cucurbita ficifolia Bouche CUCURBITACEAE Figleaf gourd

Donated by: Nuez, F.V., Dep. De Genetica y Mejora, Univ. Politecnica, Camino de Vera, Valencia, Valencia, Spain. remarks: Received through IBPGR, Rome, Italy. Received July 22, 1985.

PI 512645 donor id: A-CU-11. origin: Spain. collected: October 24, 1984. collector id: A-CU-11. locality: Farmland, 0.2km NE of Gea de Alborracin, Teruel Province. latitude: 40 deg. 22 min. N. longitude: 1 deg. 25 min. W. elevation: 1031m. remarks: Sown May, harvested August. Used for local consumption. Annual. Cultivar. Seed.

PI 512646 donor id: AN-CU-18. origin: Spain. collected: October 10, 1984. collector id: AN-CU-18. locality: Property reserve, Simera de Libar, Malaga Province. latitude: 36 deg. 35 min. N. longitude: 5 deg. 15 min. W. elevation: 539m. remarks: Sown May, harvested August-September. Annual. Primitive Cultivar. Seed.

PI 512647 donor id: AN-CU-24. origin: Spain. collected: October 9, 1984. collector id: AN-CU-24. locality: Property reserve from Ronda to Arriate, Malaga Province. latitude: 36 deg. 45 min. N. longitude: 5 deg. 9 min. W. elevation: 723m. remarks: Sown April-May, harvested September-October. Used for cakes. Annual. Primitive Cultivar. Seed.

PI 512648 donor id: AN-CU-39. origin: Spain. collected: October 07, 1984. collector id: AN-CU-39. locality: Property reserve, from Grazalema, Cadiz Province. latitude: 36 deg. 45 min. N. longitude: 5 deg. 25 min. W. elevation: 823m. remarks: Sown May-June, harvested September-October. Used for cakes. Annual. Primitive Cultivar. Seed.

PI 512645 to 512659-continued

- PI 512649 donor id: E-CU-2. origin: Spain. collected: August 23, 1984. collector id: E-CU-2. locality: Property reserve, 2km from Casas del Monte, Caceres Province. latitude: 40 deg. 3 min. N. longitude: 06 deg. W. elevation: 600m. remarks: Sown March, harvested September. Used as fruit jam. Annual. Primitive Cultivar. Seed.
- PI 512650 donor id: V-CU-11. origin: Spain. collected: June 14, 1984. collector id: V-CU-11. locality: Farmland, Venta del Moro, Valencia Province. latitude: 39 deg. 28 min. N. longitude: 1 deg. 20 min. W. elevation: 730m. remarks: Sown May-June, harvested August. Used for fruit jam, honey. Fruit round with green, yellow, brown stripes. Skin smooth. Flesh taste sweet. Annual. Primitive Cultivar. Seed.
- PI 512651 donor id: V-CU-30. origin: Spain. collected: July 21, 1984. collector id: V-CU-30. locality: Farmland, 1 km NE of Novelda, Alicante Province. latitude: 38 deg. 22 min. N. longitude: 00 deg. 01 min. W. elevation: 260m. remarks: Sown in Spring, harvested in summer. Used domestically. Annual. Cultivated. Seed.
- PI 512652 donor id: V-CU-58. origin: Spain. collected: July 21, 1984. collector id: V-CU-58. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 5 min. N. longitude: 1 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Fruit green with white stripes. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512653 donor id: V-CU-66. origin: Spain. collected: July 21, 1984. collector id: V-CU-66. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 5 min. N. longitude: 1 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512654 donor id: V-CU-107. origin: Spain. collected: October 25, 1984. collector id: V-CU-107. locality: Farmland, Alcora, Castellon del la Plana Province. latitude: 40 deg. 5 min. N. longitude: 00 deg. 15 min. W. elevation: 140m. remarks: Sown May, harvested October. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512655 donor id: V-CU-113. origin: Spain. collected: October 25, 1984. collector id: V-CU-113. locality: Farmland, Figueroles, Castellon de la Plana Province. latitude: 40 deg. 8 min. N. longitude: 0 deg. 15 min. W. elevation: 340m. remarks: Sown May, harvested October. Used for desserts. Annual. Primitive Cultivar. Seed.

PI 512645 to 512659-continued

- PI 512656 donor id: V-CU-115. origin: Spain. collected: October 25, 1984. collector id: V-CU-115. locality: Farmland, Villa Nerrosa del Rio, Castellon de la Plana. latitude: 40 deg. 12 min. N. longitude: 0 deg. 77 min. W. elevation: 731m. remarks: Sown May, harvested September-October. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512657 donor id: V-CU-119. origin: Spain. collected: October 25, 1984. collector id: V-CU-119. locality: Farmland, Giraba, Castellon de la Plana Province. latitude: 40 deg. 6 min. N. longitude: 0 deg. 22 min. W. elevation: 450m. remarks: Sown May, harvested October. Used to make sweets. Annual. Primitive Cultivar. Seed.
- PI 512658 donor id: V-CU-124. origin: Spain. collected: October 23, 1984. collector id: V-CU-124. locality: Farmland, Fanzara, Castellon la Plana Province. latitude: 40 deg. 3 min. N. longitude: 0 deg. 20 min. W. elevation: 120m. remarks: Sown January-March, harvested September. Used for self-consumption. Annual. Cultivar. Seed.
- PI 512659 donor id: V-CU-151. origin: Spain. collected: June 25, 1984. collector id: V-CU-151. locality: Property reserve, Museros, Valencia Province. latitude: 39 deg. 34 min. N. longitude: 0 deg. 20 min. W. elevation: 12m. Annual. Cultivar. Seed.

PI 512660 to 512696. Cucurbita maxima Duch. CUCURBITACEAE Winter squash

Donated by: Nuez, F.V., Dep. De Genetica y Mojora, Univ. Politecnica, Camino de Vera, Valencia, valencia, Spain. remarks: Received through IBPGR, Rome, Italy. Received July 22, 1985.

- PI 512660 donor id: A-CU-4. origin: Spain. collected: October 24, 1984. collector id: A-CU-4. locality: Farmland, 1.5km E of Albarracin, Teruel Province. latitude: 40 deg. 22 min. N. longitude: 1 deg. 28 min. W. elevation: 1171m. remarks: Sown May, harvested August-September. Used for local consumption. Annual. Cultivar. Seed.
- PI 512661 donor id: A-CU-8. origin: Spain. collected: October 24, 1984. collector id: A-CU-8. locality: Farmland, 0.2km NE of Gea de Albarracin, Teruel Province. latitude: 40 deg. 22 min. N. longitude: 1 deg. 25 min. W. elevation: 1031m. remarks: Sown May, harvested August. Fruit small and sweet. Used for local consumption. Annual. Cultivar. Seed.

PI 512660 to 512696-continued

- PI 512662 **donor id:** A-CU-9. **origin:** Spain. **collected:** October 24, 1984. **collector id:** A-CU-9. **locality:** Farmland, 0.2km NE of Gea de Albarracin, Teruel Province. **latitude:** 40 deg. 22 min. N. **longitude:** 1 deg. 25 min. W. **elevation:** 1031m. **remarks:** Sown May, harvested August. Used for local consumption. Annual. Cultivar. Seed.
- PI 512663 **donor id:** A-CU-10. **origin:** Spain. **collected:** October 24, 1984. **collector id:** A-CU-10. **locality:** Farmland, 0.2km NE of Gea de Albarracin, Teruel Province. **latitude:** 40 deg. 22 min. N. **longitude:** 1 deg. 25 min. W. **elevation:** 1031m. **remarks:** Sown May, harvested August. Used for local consumption. Annual. Cultivar. Seed.
- PI 512664 **donor id:** A-CU-13. **origin:** Spain. **collected:** July 22, 1984. **collector id:** A-CU-13. **locality:** Farmland, 2km from Ripoll to Puigcerda, Gerona Province. **latitude:** 42 deg. 12 min. N. **longitude:** 2 deg. 12 min. E. **elevation:** 691m. **remarks:** Sown April-May, harvested July. Fruit green and large. Used for food. Annual. Primitive Cultivar. Seed.
- PI 512665 **donor id:** AN-CU-13. **origin:** Spain. **collected:** October 10, 1984. **collector id:** AN-CU-13. **locality:** Property reserve, 1 km N of Portugos, Granada Province. **latitude:** 36 deg. 57 min. N. **longitude:** 03 deg. 17 min. W. **elevation:** 1303m. **remarks:** Sown May, harvested September-October. Annual. Cultivar. Seed.
- PI 512666 **donor id:** AN-CU-14. **origin:** Spain. **collected:** October 10, 1984. **collector id:** AN-CU-14. **locality:** Property reserve, 0.5km from Portugos, Granada Province. **latitude:** 36 deg. 57 min. N. **longitude:** 03 deg. 17 min. W. **elevation:** 1303m. **remarks:** Sown May, harvested September-October. Annual. Cultivar. Seed.
- PI 512667 **donor id:** AN-CU-16. **origin:** Spain. **collected:** October 09, 1984. **collector id:** AN-CU-16. **locality:** Property reserve, 2km SW of Ugijar, Granada Province. **latitude:** 36 deg. 55 min. N. **longitude:** 03 deg. 03 min. W. **elevation:** 900m. **remarks:** Sown May, harvested September-October. Annual. Cultivar. Seed.
- PI 512668 **donor id:** AN-CU-26. **origin:** Spain. **collected:** September 27, 1984. **collector id:** AN-CU-26. **locality:** Property reserve, 2km from Competa, Malaga Province. **latitude:** 36 deg. 45 min. N. **longitude:** 03 deg. 58 min. W. **elevation:** 300m. **remarks:** Sown February, harvested July. Annual. Primitive Cultivar. Seed.

PI 512660 to 512696-continued

- PI 512669 donor id: C-CU-10. origin: Spain. collected: July 21, 1984. collector id: C-CU-10. locality: Farmland, La Farga de Babie, Gerona Province. latitude: 42 deg. 10 min. N. longitude: 02 deg. 45 min. W. elevation: 1000m. remarks: Sown May-June, harvested August. Used for baking cakes. Annual. Primitive Cultivar. Seed.
- PI 512670 donor id: CM-CU-3. origin: Spain. collected: October 09, 1984. collector id: CM-CU-3. locality: Farmland, Retamoso de la Jara, Toledo Province. latitude: 39 deg. 43 min. N. longitude: 04 deg. 46 min. W. elevation: 608m. remarks: Sown first of May, harvested July-August. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512671 donor id: V-CU-1. origin: Spain. collected: June 15, 1984. collector id: V-CU-1. locality: Farmland, Cocentaina, Alicante Province. latitude: 38 deg. 45 min. N. longitude: 00 deg. 20 min. W. elevation: 450m. remarks: Sown April, harvested September. Leaves dry. Annual. Primitive Cultivar. Seed.
- PI 512672 donor id: V-CU-8. origin: Spain. collected: June 14, 1984. collector id: V-CU-8. locality: Farmland, Utiel, Valencia Province. latitude: 39 deg. 38 min. N. longitude: 4 deg. 42 min. W. elevation: 720m. remarks: Sown March-April, harvested October-November. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512673 donor id: V-CU-9. origin: Spain. collected: June 14, 1984. collector id: V-CU-9. locality: Farmland, Utiel, Valencia Province. latitude: 39 deg. 38 min. N. longitude: 4 deg. 42 min. W. elevation: 720m. remarks: Sown March-April, harvested October-November. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512674 donor id: V-CU-22. origin: Spain. collected: July 20, 1984. collector id: V-CU-22. locality: Farmland, 1 km W of Xalo, Alicante Province. latitude: 38 deg. 45 min. N. longitude: 0 deg. 2 min. W. elevation: 225m. remarks: Sown April, harvested August. Used for local consumption. Annual. Cultivar. Seed.
- PI 512675 donor id: V-CU-23. origin: Spain. collected: July 20, 1984. collector id: V-CU-23. locality: Farmland, 1 km W of Xalo, Alicante Province. latitude: 38 deg. 45 min. N. longitude: 0 deg. 2 min. W. elevation: 200m. remarks: Sown April, harvested August. Used for local consumption. Annual. Cultivated. Seed.

PI 512660 to 512696-continued

- PI 512676 donor id: V-CU-24. origin: Spain. collected: July 20, 1984. collector id: V-CU-24. locality: Farmland, 0.5km S of Lliber, Alicante Province. latitude: 38 deg. 45 min. N. longitude: 0 deg. 0 min. W. elevation: 200m. remarks: Sown April, harvested August. Used for local consumption. Annual. Cultivar. Seed.
- PI 512677 donor id: V-CU-29. origin: Spain. collected: July 21, 1984. collector id: V-CU-29. locality: Farmland, 2km SE of Novelda, Alicante Province. latitude: 38 deg. 22 min. N. longitude: 00 deg. 46 min. W. elevation: 270m. remarks: Sown in spring, harvested in summer. Used domestically. Annual. Primitive Cultivar. Seed.
- PI 512678 donor id: V-CU-33. origin: Spain. collected: July 24, 1984. collector id: V-CU-33. locality: Farmland, 0.2km E of Canada, Alicante Province. latitude: 38 deg. 41 min. N. longitude: 0 deg. 48 min. W. elevation: 500m. remarks: Sown March-April, harvested September-October. Used for local consumption. Annual. Cultivar. Seed.
- PI 512679 donor id: V-CU-34. origin: Spain. collected: July 24, 1984. collector id: V-CU-34. locality: Farmland, 0.2km E of Canada, Alicante Province. latitude: 38 deg. 41 min. N. longitude: 0 deg. 48 min. W. elevation: 500m. remarks: Sown March-April, harvested September-October. Used for local consumption. Annual. Cultivar. Seed.
- PI 512680 donor id: V-CU-36. origin: Spain. collected: July 24, 1984. collector id: V-CU-36. locality: Farmland, 0.2km E of Canada, Alicante Province. latitude: 38 deg. 41 min. N. longitude: 0 deg. 48 min. W. elevation: 500m. remarks: Sown March-April, harvested September-October. Used for local consumption. Annual. Cultivar. Seed.
- PI 512681 donor id: V-CU-37. origin: Spain. collected: July 24, 1984. collector id: V-CU-37. locality: Farmland, 0.2km W of Canada, Alicante Province. latitude: 38 deg. 41 min. N. longitude: 0 deg. 48 min. W. elevation: 500m. remarks: Sown March-April, harvested October. Annual. Cultivar. Seed.
- PI 512682 donor id: V-CU-38. origin: Spain. collected: July 19, 1984. collector id: V-CU-38. locality: Property reserve, 2km S of Benisa, Alicante Province. latitude: 38 deg. 42 min. N. longitude: 0 deg. 2 min. W. elevation: 200m. remarks: Sown March, harvested August. Annual. Cultivar. Seed.

PI 512660 to 512696-continued

- PI 512683 donor id: V-CU-39. origin: Spain. collected: July 10, 1984. collector id: V-CU-39. locality: Property reserve, 1 km W of Algar, Valencia Province. latitude: 39 deg. 47 min. N. longitude: 0 deg. 22 min. W. elevation: 204m. remarks: Sown March, harvested July-August. Used for local consumption. Annual. Cultivar. Seed.
- PI 512684 donor id: V-CU-40. origin: Spain. collected: July 10, 1984. collector id: V-CU-40. locality: Property reserve, 1 km W of Algar, Valencia Province. latitude: 39 deg. 47 min. N. longitude: 0 deg. 22 min. W. elevation: 204m. remarks: Sown March, harvested July-August. Used for local consumption. Annual. Cultivar. Seed.
- PI 512685 donor id: V-CU-41. origin: Spain. collected: July 10, 1984. collector id: V-CU-41. locality: Property reserve, 1 km W of Algar, Valencia Province. latitude: 39 deg. 47 min. N. longitude: 0 deg. 22 min. W. elevation: 204m. remarks: Sown March, harvested July-August. Used for local consumption. Annual. Cultivar. Seed.
- PI 512686 donor id: V-CU-44. origin: Spain. collected: July 10, 1984. collector id: V-CU-44. locality: Property reserve, 0.2km E of Albalat, Valencia Province. latitude: 39 deg. 42 min. N. longitude: 0 deg. 20 min. W. elevation: 96m. remarks: Sown June, harvested August. Used for local consumption. Annual. Cultivar. Seed.
- PI 512687 donor id: V-CU-47. origin: Spain. collected: July 25, 1984. collector id: V-CU-47. locality: Farmland, 0.5km W. of Aguas de Bujot, Valencia Province. latitude: 38 deg. 31 min. N. longitude: 0 deg. 22 min. W. elevation: 400m. remarks: Sown April, harvested July. Used for local consumption. Annual. Cultivar. Seed.
- PI 512688 donor id: V-CU-51. origin: Spain. collected: July 1984. collector id: V-CU-51. locality: Farmland, Villa marchante, Valencia Province. latitude: 39 deg. 35 min. N. longitude: 00 deg. 40 min. W. elevation: 160m. remarks: Sown April, harvested October. Local consumption, desserts. Annual. Primitive Cultivar. Seed.

PI 512660 to 512696-continued

- PI 512689 donor id: V-CU-92. origin: Spain. collected: June 15, 1984. collector id: V-CU-92. locality: Farmland, Cocentaina, Alicante Province. latitude: 40 deg. 03 min. N. longitude: 00 deg. 20 min. W. elevation: 120m. remarks: Sown March-April, harvested June. Annual. Cultivar. Seed.
- PI 512690 donor id: V-CU-94. origin: Spain. collected: October 23, 1984. collector id: V-CU-94. locality: Farmland, Fanzara, Castellon de la Plana Province. latitude: 40 deg. 03 min. N. longitude: 00 deg. 20 min. W. elevation: 120m. remarks: Sown March-April, harvested June. Annual. Cultivar. Seed.
- PI 512691 donor id: V-CU-101. origin: Spain. collected: October 23, 1984. collector id: V-CU-101. locality: Farmland, Vallat, Castellon de la Plana Province. latitude: 40 deg. 03 min. N. longitude: 00 deg. 20 min. W. elevation: 300m. remarks: Sown February-March, harvested September-October. Used for self-consumption. Annual. Cultivar. Seed.
- PI 512692 donor id: V-CU-105. origin: Spain. collected: June 23, 1984. collector id: V-CU-105. locality: Property reserve, Muserds, Valencia Province. latitude: 39 deg. 34 min. N. longitude: 00 deg. 20 min. W. elevation: 12m. remarks: Sown March, harvested October. Used for self-consumption. Annual. Cultivar. Seed.
- PI 512693 donor id: V-CU-106. origin: Spain. collected: October 15, 1984. collector id: V-CU-106. locality: Property reserve, Ricon de Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 01 deg. 16 min. W. elevation: 670m. remarks: Sown March, harvested October. Used for self-consumption. Annual. Cultivar. Seed.
- PI 512694 donor id: V-CU-127. origin: Spain. collected: March 09, 1984. collector id: V-CU-127. locality: Property reserve, Property reserve, NW of Ginarcors, Valencia Province. latitude: 39 deg. 43 min. N. longitude: 01 deg. 14 min. W. elevation: 900m. Annual. Primitive Cultivar. Seed.
- PI 512695 donor id: V-CU-130. origin: Spain. collected: December 12, 1984. collector id: V-CU-130. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 01 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Used for desserts. Annual. Primitive Cultivar. Seed.

PI 512660 to 512696-continued

PI 512696 donor id: V-CU-131. origin: Spain. collected: 1984.
collector id: V-CU-131. locality: Property reserve and
farmland, Torrebasa, Valencia Province. latitude: 40
deg. 05 min. N. longitude: 01 deg. 16 min. W.
elevation: 760m. remarks: Sown March, harvested
August-September. Annual. Primitive Cultivar. Seed.

PI 512697 to 512888. Cucurbita pepo L. CUCURBITACEAE

Donated by: Nuez, F.V., Dep. De Genetica y Mejora, Univ.
Politecnica, Camino De Vera, 24, Valenica, Valencia, Spain.
remarks: Received through IBPGR, Rome, Italy. Received July 22,
1985.

PI 512697 donor id: A-CU-1. origin: Spain. collected: June 16,
1984. collector id: A-CU-1. locality: Farmland, 0.5km S
of Sarrion, Teruel Province. latitude: 40 deg. 10 min.
N. longitude: 00 deg. 50 min. W. elevation: 991m.
remarks: Sown April, harvested August. Annual. Seed.

PI 512698 donor id: A-CU-2. origin: Spain. collected: June 24,
1984. collector id: A-CU-2. locality: Farmland,
Sarrion, Teruel Province. latitude: 40 deg. 10 min. N.
longitude: 00 deg. 50 min. W. elevation: 991m.
remarks: Sown May-June, harvested August-September.
Annual. Seed.

PI 512699 donor id: A-CU-3. origin: Spain. collected: June 24,
1984. collector id: A-CU-3. locality: Farmland,
Sarrion, Teruel Province. latitude: 40 deg. 10 min. N.
longitude: 00 deg. 50 min. W. elevation: 991m.
remarks: Sown May-June, harvested November. Annual.
Seed.

PI 512700 donor id: A-CU-5. origin: Spain. collected: October 24,
1984. collector id: A-CU-5. locality: Farmland, 1.5km E
of Albarracin, Teruel Province. latitude: 40 deg. 22
min. N. longitude: 01 deg. 28 min. W. elevation: 1171m.
remarks: Sown May, harvested September. Used for local
consumption. Annual. Cultivar. Seed.

PI 512701 donor id: A-CU-6. origin: Spain. collected: October 25,
1984. collector id: A-CU-6. locality: Farmland, Torres
de Albarracin, Teruel Province. latitude: 40 deg. 22
min. N. longitude: 01 deg. 32 min. W. elevation: 1237m.
remarks: Sown May, harvested September. Used for local
consumption. Annual. Cultivar. Seed.

PI 512697 to 512888-continued

- PI 512702 donor id: A-CU-7. origin: Spain. collected: October 24, 1984. collector id: A-CU-7. locality: Farmland, 1 km NE of Albarracin, Teruel Province. latitude: 40 deg. 22 min. N. longitude: 01 deg. 28 min. W. elevation: 1171m. remarks: Sown May, harvested September. Used for local consumption. Annual. Cultivar. Seed.
- PI 512703 donor id: A-CU-12. origin: Spain. collected: July 24, 1984. collector id: A-CU-12. locality: Property reserve, 2km N of Quicena, Huesca Province.. latitude: 42 deg. 10 min. N. longitude: 00 deg. 28 min. W. elevation: 470m. remarks: Sown April, harvested August-September. Used fried or cooked. Annual. Primitive Cultivar. Seed.
- PI 512704 donor id: A-CU-14. origin: Spain. collected: August 03, 1984. collector id: A-CU-14. locality: Property reserve, 1km Rueda De Jalon, Zaragoza Province. latitude: 41 deg. 40 min. N. longitude: 001 deg. 15 min. W. elevation: 300m. remarks: Sown March, harvested September. Used as liquid container. Annual. Primitive Cultivar. Seed.
- PI 512705 donor id: A-CU-15. origin: Spain. collected: August 03, 1984. collector id: A-CU-15. locality: Property reserve, 1km Rueda De Jalon, Zaragoza Province. latitude: 41 deg. 40 min. N. longitude: 001 deg. 15 min. W. elevation: 300m. remarks: Sown March, harvested September. Used as liquid container. Annual. Primitive Cultivar. Seed.
- PI 512706 donor id: A-CU-16. origin: Spain. collected: August 03, 1984. collector id: A-CU-16. locality: Property reserve, 1km Rueda De Jalon, Zaragoza Province. latitude: 41 deg. 40 min. N. longitude: 001 deg. 15 min. W. elevation: 300m. remarks: Sown March, harvested August. Used as liquid container. Annual. Primitive Cultivar. Seed.
- PI 512707 donor id: A-CU-17. origin: Spain. collected: August 12, 1984. collector id: A-CU-17. locality: Property reserve, 1 km Magallon, Zaragoza Province. latitude: 41 deg. 50 min. N. longitude: 1 deg. 30 min. W. elevation: 350m. remarks: Sown April, harvested August. Used cooked. Annual. Primitive Cultivar. Seed.

PI 512697 to 512888-continued

- PI 512708 donor id: A-CU-18. origin: Spain. collected: August 12, 1984. collector id: A-CU-18. locality: Property reserve, 1 km Magallon, Zaragoza Province. latitude: 41 deg. 50 min. N. longitude: 001 deg. 30 min. W. elevation: 350m. remarks: Sown April, harvested September. Used as fruit jam. Annual. Primitive Cultivar. Seed.
- PI 512709 donor id: A-CU-19. origin: Spain. collected: December 08, 1984. collector id: A-CU-19. locality: Mora de Rubielos, Teruel Province. latitude: 40 deg. 15 min. N. longitude: 00 deg. 45 min. W. elevation: 1035m. remarks: Sown May, harvested August. Fruit yellow, large. Used for local consumption. Annual. Seed.
- PI 512710 donor id: AN-CU-1. origin: Spain. collected: July 19, 1984. collector id: AN-CU-1. locality: Farmland, 2km S of Mata De Pera, Malaga Province. latitude: 36 deg. 40 min. N. longitude: 004 deg. 26 min. W. elevation: 8m. remarks: Sown March, transplanted May. Harvested in July-August. Used for self-consumption. Annual. Primitive Cultivar. Seed.
- PI 512711 donor id: AN-CU-2. origin: Spain. collected: July 26, 1984. collector id: AN-CU-2. locality: Property reserve, 1 km Castro Del Rio, Cordoba Province. latitude: 37 deg. 45 min. N. longitude: 004 deg. 30 min. W. elevation: 236m. remarks: Sown April, harvested August. Annual. Primitive Cultivar. Seed.
- PI 512712 donor id: AN-CU-3. origin: Spain. collected: July 26, 1984. collector id: AN-CU-3. locality: Property reserve, 1 km Castro Del Rio, Cordoba Province. latitude: 37 deg. 45 min. N. longitude: 004 deg. 30 min. W. elevation: 236m. remarks: Sown April, harvested August. Annual. Primitive Cultivar. Seed.
- PI 512713 donor id: AN-CU-4. origin: Spain. collected: July 26, 1984. collector id: AN-CU-4. locality: Property reserve, 1 km Castro Del Rio, Cordoba Province. latitude: 37 deg. 45 min. N. longitude: 004 deg. 30 min. W. elevation: 236m. remarks: Sown April, harvested August. Annual. Primitive Cultivar. Seed.
- PI 512714 donor id: AN-CU-5. origin: Spain. collected: July 26, 1984. collector id: AN-CU-5. locality: Property reserve, 1 km Castro Del Rio, Cordoba Province. latitude: 37 deg. 45 min. N. longitude: 004 deg. 30 min. W. elevation: 236m. remarks: Sown April, harvested August. Used cooked. Annual. Primitive Cultivar. Seed.

PI 512697 to 512888-continued

- PI 512715 donor id: AN-CU-6. origin: Spain. collected: July 26, 1984. collector id: AN-CU-6. locality: Property reserve, 1 km Castro Del Rio, Cordoba Province. latitude: 37 deg. 45 min. N. longitude: 04 deg. 30 min. W. elevation: 236m. remarks: Sown April, harvested August. Annual. Primitive Cultivar. Seed.
- PI 512716 donor id: AN-CU-7. origin: Spain. collected: July 26, 1984. collector id: AN-CU-7. locality: Property reserve, 1 km Castro Del Rio, Cordoba Province. latitude: 37 deg. 45 min. N. longitude: 04 deg. 30 min. W. elevation: 236m. remarks: Sown April, harvested August. Annual. Primitive Cultivar. Seed.
- PI 512717 donor id: AN-CU-8. origin: Spain. collected: July 24, 1984. collector id: AN-CU-8. locality: Property reserve, 2km W of Puente Genil, Cordoba Province. latitude: 37 deg. 05 min. N. longitude: 04 deg. 07 min. W. elevation: 171m. remarks: Sown April, harvested August. Used for seeds and liquid. Annual. Primitive Cultivar. Seed.
- PI 512718 donor id: AN-CU-9. origin: Spain. collected: July 24, 1984. collector id: AN-CU-9. locality: Property reserve, 2km W of Puente Genil, Cordoba Province. latitude: 37 deg. 05 min. N. longitude: 04 deg. 07 min. W. elevation: 171m. remarks: Sown April, harvested August. Used for jam. Annual. Primitive Cultivar. Seed.
- PI 512719 donor id: AN-CU-10. origin: Spain. collected: July 24, 1984. collector id: AN-CU-10. locality: Property reserve, 2km W of Puente Genil, Cordoba Province. latitude: 37 deg. 05 min. N. longitude: 04 deg. 07 min. W. elevation: 171m. remarks: Sown April, harvested July. Annual. Primitive Cultivar. Seed.
- PI 512720 donor id: AN-CU-11. origin: Spain. collected: October 11, 1984. collector id: AN-CU-11. locality: Garden, 4km from Purchil, Granada Province. latitude: 37 deg. 10 min. N. longitude: 03 deg. 40 min. W. elevation: 600m. remarks: Sown April-May, harvested August-September. Used for consumption. Annual. Seed.
- PI 512721 donor id: AN-CU-12. origin: Spain. collected: October 11, 1984. collector id: AN-CU-12. locality: Property reserve, 2km N of Purchil, Granada Province. latitude: 37 deg. 10 min. N. longitude: 03 deg. 40 min. W. elevation: 600m. remarks: Sown May, harvested September-October. Annual. Cultivar. Seed.

PI 512697 to 512888-continued

- PI 512722 donor id: AN-CU-15. origin: Spain. collected: October 10, 1984. collector id: AN-CU-15. locality: Property reserve, 0.5km from Portugos, Granada Province. latitude: 36 deg. 57 min. N. longitude: 03 deg. 17 min. W. elevation: 1303m. remarks: Sown May, harvested September-October. Annual. Cultivar. Seed.
- PI 512723 donor id: AN-CU-17. origin: Spain. collected: October 10, 1984. collector id: AN-CU-17. locality: Property reserve, Malaga Province. latitude: 36 deg. 35 min. N. longitude: 05 deg. 20 min. W. elevation: 623m. remarks: Sown May-June, harvested September-October. Used for stews. Annual. Primitive Cultivar. Seed.
- PI 512724 donor id: AN-CU-19. origin: Spain. collected: October 10, 1984. collector id: AN-CU-19. locality: Property reserve around Jimera De Libar, Malaga Province. latitude: 36 deg. 35 min. N. longitude: 05 deg. 15 min. W. elevation: 539m. remarks: Harvested August-September. Used for stew. Annual. Primitive Cultivar. Seed.
- PI 512725 donor id: AN-CU-20. origin: Spain. collected: October 09, 1984. collector id: AN-CU-20. locality: Property reserve from Ronda to Arriate, Malaga Province. latitude: 36 deg. 45 min. N. longitude: 05 deg. 09 min. W. elevation: 723m. remarks: Sown April-May, harvested September-October. Used for stews. Annual. Primitive Cultivar. Seed.
- PI 512726 donor id: AN-CU-21. origin: Spain. collected: October 09, 1984. collector id: AN-CU-21. locality: Property reserve around Igualeja, Malaga Province. latitude: 36 deg. 35 min. N. longitude: 05 deg. 07 min. W. elevation: 693m. remarks: Sown April-May, harvested September-October. Used for stews. Annual. Primitive Cultivar. Seed.
- PI 512727 donor id: AN-CU-22. origin: Spain. collected: October 09, 1984. collector id: AN-CU-22. locality: Property reserve between Ronda and Arriate, Malaga Province. latitude: 36 deg. 45 min. N. longitude: 05 deg. 09 min. W. elevation: 723m. remarks: Sown April-May, harvested September-October. Used for stews. Annual. Primitive Cultivar. Seed.

PI 512697 to 512888-continued

- PI 512728 donor id: AN-CU-23. origin: Spain. collected: October 09, 1984. collector id: AN-CU-23. locality: Property reserve between Ronda and Arriate, Malaga Province. latitude: 36 deg. 45 min. N. longitude: 05 deg. 09 min. W. elevation: 723m. remarks: Sown April, harvested September. Used for stews. Annual. Primitive Cultivar. Seed.
- PI 512729 donor id: AN-CU-25. origin: Spain. collected: September 28, 1984. collector id: AN-CU-25. locality: Property reserve, 2km from Competa, Malaga Province. latitude: 36 deg. 45 min. N. longitude: 03 deg. 58 min. W. elevation: 300m. remarks: Sown February, harvested July. Annual. Primitive Cultivar. Seed.
- PI 512730 donor id: AN-CU-27. origin: Spain. collected: October 11, 1984. collector id: AN-CU-27. locality: Property reserve Algeciras, Cadiz Province. latitude: 36 deg. 08 min. N. longitude: 05 deg. 27 min. W. elevation: 17m. remarks: Sown March-April, harvested June-July. Annual. Primitive Cultivar. Seed.
- PI 512731 donor id: AN-CU-28. origin: Spain. collected: October 11, 1984. collector id: AN-CU-28. locality: Property reserve Algeciras, Cadiz Province. latitude: 36 deg. 08 min. N. longitude: 05 deg. 27 min. W. elevation: 17m. remarks: Sown March-April, harvested July-August. Used for stews. Annual. Primitive Cultivar. Seed.
- PI 512732 donor id: AN-CU-29. origin: Spain. collected: October 11, 1984. collector id: AN-CU-29. locality: Property reserve from Los Barrios to Benenharas, Cadiz Province. latitude: 36 deg. 10 min. N. longitude: 05 deg. 30 min. W. elevation: 23m. remarks: Sown April-May, harvested August-September. Used cooked. Annual. Primitive Cultivar. Seed.
- PI 512733 donor id: AN-CU-30. origin: Spain. collected: October 10, 1984. collector id: AN-CU-30. locality: Property reserve around Sanenrique Del Guadioro, Cadiz Province. latitude: 36 deg. 20 min. N. longitude: 05 deg. 15 min. W. elevation: 109m. remarks: Used for stew. Annual. Primitive Cultivar. Seed.
- PI 512734 donor id: AN-CU-31. origin: Spain. collected: October 07, 1984. collector id: AN-CU-31. locality: Property reserve from Benaocaz to Valle Del Tavizna, Cadiz Province. latitude: 36 deg. 40 min. N. longitude: 05 deg. 26 min. W. elevation: 793m. remarks: Sown May-June, harvested September-October. Used cooked and for stew. Annual. Primitive Cultivar. Seed.

PI 512697 to 512888-continued

- PI 512735 donor id: AN-CU-32. origin: Spain. collected: October 07, 1984. collector id: AN-CU-32. locality: Property reserve from Benaocaz to Valle Del Tavizna, Cadiz Province. latitude: 36 deg. 40 min. N. longitude: 05 deg. 26 min. W. elevation: 793m. remarks: Sown May-June, harvested September-October. Used cooked and for stew. Annual. Primitive Cultivar. Seed.
- PI 512736 donor id: AN-CU-33. origin: Spain. collected: October 07, 1984. collector id: AN-CU-33. locality: Property reserve from Benaocaz to Valle Del Tavizna, Cadiz Province. latitude: 36 deg. 40 min. N. longitude: 05 deg. 26 min. W. elevation: 793m. remarks: Sown May-June, harvested September-October. Used cooked and for stew. Annual. Primitive Cultivar. Seed.
- PI 512737 donor id: AN-CU-34. origin: Spain. collected: October 07, 1984. collector id: AN-CU-34. locality: Property reserve from Benaocaz to Valle Del Tavizna, Cadiz Province. latitude: 36 deg. 40 min. N. longitude: 05 deg. 26 min. W. elevation: 793m. remarks: Sown May-June, harvested September-October. Used cooked and for stew. Annual. Primitive Cultivar. Seed.
- PI 512738 donor id: AN-CU-35. origin: Spain. collected: October 07, 1984. collector id: AN-CU-35. locality: Property reserve from Benaocaz to Valle Del Tavizna, Cadiz Province. latitude: 36 deg. 40 min. N. longitude: 05 deg. 26 min. W. elevation: 793m. remarks: Sown May-June, harvested September-October. Used cooked and for stew. Annual. Primitive Cultivar. Seed.
- PI 512739 donor id: AN-CU-36. origin: Spain. collected: October 07, 1984. collector id: AN-CU-36. locality: Property reserve from Benaocaz to Valle Del Tavizna, Cadiz Province. latitude: 36 deg. 40 min. N. longitude: 05 deg. 26 min. W. elevation: 793m. remarks: Sown May-June, harvested September-October. Used cooked and for stew. Annual. Primitive Cultivar. Seed.
- PI 512740 donor id: AN-CU-37. origin: Spain. collected: October 07, 1984. collector id: AN-CU-37. locality: Property reserve around Grazalema, Cadiz Province. latitude: 36 deg. 45 min. N. longitude: 05 deg. 25 min. W. elevation: 823m. remarks: Sown May-June, harvested September-October. Used cooked and for stew. Annual. Primitive Cultivar. Seed.

PI 512697 to 512888-continued

- PI 512741 donor id: AN-CU-38. origin: Spain. collected: October 07, 1984. collector id: AN-CU-38. locality: Property reserve around Grazalema, Cadiz Province. latitude: 36 deg. 45 min. N. longitude: 05 deg. 25 min. W. elevation: 823m. remarks: Sown May-June, harvested September-October. Used cooked and for stew. Annual. Primitive Cultivar. Seed.
- PI 512742 donor id: AN-CU-40. origin: Spain. collected: October 07, 1984. collector id: AN-CU-40. locality: Property reserve, from Grazalema, Cadiz Province. latitude: 36 deg. 45 min. N. longitude: 05 deg. 25 min. W. elevation: 823m. remarks: Sown May-June, harvested September-October. Used for cakes. Annual. Primitive Cultivar. Seed.
- PI 512743 donor id: AN-CU-41. origin: Spain. collected: August 09, 1984. collector id: AN-CU-41. locality: Property reserve Tarifa, Cadiz Province. latitude: 36 deg. 02 min. N. longitude: 05 deg. 33 min. W. elevation: 7m. remarks: Sown June, harvested September. Used cooked and for stews. Annual. Primitive Cultivar. Seed.
- PI 512744 donor id: AN-CU-42. origin: Spain. collected: August 09, 1984. collector id: AN-CU-42. locality: Property reserve Tarifa, Cadiz Province. latitude: 36 deg. 02 min. N. longitude: 05 deg. 33 min. W. elevation: 7m. remarks: Sown April, harvested July-August. Annual. Primitive Cultivar. Seed.
- PI 512745 donor id: AN-CU-43. origin: Spain. collected: August 08, 1984. collector id: AN-CU-43. locality: Property reserve Vejer De La Frutesa, Cadiz Province. latitude: 36 deg. 15 min. N. longitude: 05 deg. 56 min. W. elevation: 190m. remarks: Used for stews. Annual. Primitive Cultivar. Seed.
- PI 512746 donor id: AN-CU-44. origin: Spain. collected: August 06, 1984. collector id: AN-CU-44. locality: Property reserve around Rota, Cadiz Province. latitude: 36 deg. 37 min. N. longitude: 06 deg. 16 min. W. elevation: 9m. remarks: Sown April, harvested July-August. Used cooked and for stews. Annual. Primitive Cultivar. Seed.
- PI 512747 donor id: AN-CU-45. origin: Spain. collected: August 06, 1984. collector id: AN-CU-45. locality: Property reserve around Rota, Cadiz Province. latitude: 36 deg. 37 min. N. longitude: 06 deg. 16 min. W. elevation: 9m. remarks: Sown April, harvested July-August. Used cooked and for stews. Annual. Primitive Cultivar. Seed.

PI 512697 to 512888-continued

- PI 512748 donor id: AN-CU-46. origin: Spain. collector id: AN-CU-46. locality: Property reserve around Rota, Cadiz Province. latitude: 36 deg. 37 min. N. longitude: 06 deg. 16 min. W. elevation: 9m. Annual. Primitive Cultivar. Seed.
- PI 512749 donor id: AS-CU-1. origin: Spain. collected: August 20, 1984. collector id: AS-CU-1. locality: Property reserve Cocena, Asturias Province. latitude: 43 deg. 30 min. N. longitude: 05 deg. 17 min. W. elevation: 21m. remarks: Sown February, harvested September-October. Used for cooking and making black pudding. Annual. Primitive Cultivar. Seed.
- PI 512750 donor id: AS-CU-2. origin: Spain. collected: August 21, 1984. collector id: AS-CU-2. locality: Property reserve Infiesto, Asturias Province. latitude: 43 deg. 21 min. N. longitude: 05 deg. 24 min. W. elevation: 152m. remarks: Sown February, harvested September. Used for cooking. Annual. Primitive Cultivar. Seed.
- PI 512751 donor id: AS-CU-3. origin: Spain. collector id: AS-CU-3. locality: Property reserve Calzada, Asturias Province. latitude: 43 deg. 31 min. N. longitude: 06 deg. 13 min. W. elevation: 322m. remarks: Sown February, harvested September. Used for black pudding and livestock feed. Annual. Primitive Cultivar. Seed.
- PI 512752 donor id: AS-CU-4. origin: Spain. collected: August 22, 1984. collector id: AS-CU-4. locality: Patio Quinzanas, Asturias Province. latitude: 43 deg. 31 min. N. longitude: 06 deg. 12 min. W. elevation: 15m. remarks: Sown February, harvested September. Used for black pudding and livestock feed. Annual. Primitive Cultivar. Seed.
- PI 512753 donor id: AS-CU-5. origin: Spain. collected: August 24, 1984. collector id: AS-CU-5. locality: Property reserve La Felouera, Asturias Province. latitude: 43 deg. 17 min. N. longitude: 05 deg. 42 min. W. elevation: 109m. remarks: Sown February, harvested September. Used for black pudding and livestock feed. Annual. Primitive Cultivar. Seed.
- PI 512754 donor id: AS-CU-6. origin: Spain. collected: August 25, 1984. collector id: AS-CU-6. locality: Patio Condado-Salices, Asturias Province. latitude: 43 deg. 14 min. N. longitude: 05 deg. 28 min. W. elevation: 288m. remarks: Sown February-March, harvested September. Used for black pudding and livestock feed. Annual. Primitive Cultivar. Seed.

PI 512697 to 512888-continued

- PI 512755 donor id: AS-CU-7. origin: Spain. collected: August 25, 1984. collector id: AS-CU-7. locality: Property reserve Campo de Casoles Llanes, Asturias Province. latitude: 43 deg. 10 min. N. longitude: 05 deg. 23 min. W. elevation: 25m. remarks: Sown February-March, harvested September-October. Used for cooking and livestock feed. Annual. Primitive Cultivar. Seed.
- PI 512756 donor id: C-CU-1. origin: Spain. collected: July 18, 1984. collector id: C-CU-1. locality: Farmland, Amposta, Tarragona Province. latitude: 40 deg. 40 min. N. longitude: 00 deg. 35 min. E. elevation: 10m. remarks: Sown March, harvested July. Self-consumption. Annual. Cultivar. Seed.
- PI 512757 donor id: C-CU-2. origin: Spain. collected: July 18, 1984. collector id: C-CU-2. locality: Farmland, Amposta, Tarragona Province. latitude: 40 deg. 40 min. N. longitude: 00 deg. 35 min. W. elevation: 8m. remarks: Sown March, harvested July. Self-consumption and markets. Annual. Seed.
- PI 512758 donor id: C-CU-3. origin: Spain. collected: July 07, 1984. collector id: C-CU-3. locality: Farmland, Property reserve, Tortosa, Tarragona Province. latitude: 40 deg. 38 min. N. longitude: 00 deg. 31 min. E. elevation: 12m. remarks: Sown February, harvested May-June. Self-consumption. Annual. Cultivar. Seed.
- PI 512759 donor id: C-CU-4. origin: Spain. collected: July 19, 1984. collector id: C-CU-4. locality: Farmland, 2km S of Mata De Pera, Barcelona Province. latitude: 41 deg. 08 min. N. longitude: 00 deg. 02 min. E. elevation: 423m. remarks: Sown March, harvested July. Self-consumption. Annual. Primitive Cultivar. Seed.
- PI 512760 donor id: C-CU-5. origin: Spain. collected: July 20, 1984. collector id: C-CU-5. locality: Property reserve, Miravet, Tarragona Province. latitude: 41 deg. 03 min. N. longitude: 00 deg. 35 min. E. elevation: 125m. remarks: Sown March, harvested July. Sold at local markets. Annual. Cultivar. Seed.
- PI 512761 donor id: C-CU-6. origin: Spain. collected: July 20, 1984. collector id: C-CU-6. locality: Property reserve, Miravet, Tarragona Province. latitude: 41 deg. 03 min. N. longitude: 00 deg. 35 min. E. elevation: 125m. remarks: Sown March, harvested July. Sold at local markets. Annual. Cultivar. Seed.

PI 512697 to 512888-continued

- PI 512762 donor id: C-CU-7. origin: Spain. collected: July 20, 1984. collector id: C-CU-7. locality: Farmland, Jesus (Tortosa), Tarragona Province. latitude: 40 deg. 38 min. N. longitude: 00 deg. 31 min. E. elevation: 12m. remarks: Sown May-June, harvested September. Sold at local markets. Annual. Cultivar. Seed.
- PI 512763 donor id: C-CU-8. origin: Spain. collected: July 20, 1984. collector id: C-CU-8. locality: Farmland, Huerto De Caral, Barcelona Province. latitude: 41 deg. 25 min. N. longitude: 02 deg. 15 min. E. elevation: 484m. remarks: Sown April, harvested in Fall. Self-consumption. Annual. Primitive Cultivar. Seed.
- PI 512764 donor id: C-CU-9. origin: Spain. collected: July 21, 1984. collector id: C-CU-9. locality: Farmland, Torello, Barcelona Province. latitude: 41 deg. 34 min. N. longitude: 02 deg. 16 min. E. elevation: 508m. remarks: Sown May, harvested July-August. Self-consumption. Annual. Primitive Cultivar. Seed.
- PI 512765 donor id: C-CU-11. origin: Spain. collected: July 22, 1984. collector id: C-CU-11. locality: Farmland, 2km from Ripoll to Puigcerda, Gerona Province. latitude: 42 deg. 12 min. N. longitude: 02 deg. 12 min. E. elevation: 691m. remarks: Sown April-May, harvested July. Self-consumption. Annual. Primitive Cultivar. Seed.
- PI 512766 donor id: C-CU-12. origin: Spain. collected: July 22, 1984. collector id: C-CU-12. locality: Farmland, 2km from Ripoll to Puigcerda, Gerona Province. latitude: 42 deg. 12 min. N. longitude: 02 deg. 12 min. E. elevation: 691m. remarks: Sown April-May, harvested July. Self-consumption. Annual. Primitive Cultivar. Seed.
- PI 512767 donor id: C-CU-13. origin: Spain. collector id: C-CU-13. Seed.
- PI 512768 donor id: C-CU-14. origin: Spain. collected: August 03, 1984. collector id: C-CU-14. locality: Property reserve, 2km from Talset, Tarragona Province. latitude: 41 deg. 10 min. N. longitude: 00 deg. 48 min. E. elevation: 364m. remarks: Sown March-April, harvested October. Self-consumption. Annual. Cultivar. Seed.

PI 512697 to 512888-continued

- PI 512769 donor id: C-CU-15. origin: Spain. collected: August 03, 1984. collector id: C-CU-15. locality: Property reserve, 2km from Talset, Tarragona Province. latitude: 41 deg. 10 min. N. longitude: 00 deg. 48 min. E. elevation: 364m. remarks: Sown March-April, harvested October. Self-consumption. Annual. Cultivar. Seed.
- PI 512770 donor id: C-CU-16. origin: Spain. collected: August 03, 1984. collector id: C-CU-16. locality: Property reserve, 2km from Talset, Tarragona Province. latitude: 41 deg. 10 min. N. longitude: 00 deg. 48 min. E. elevation: 364m. remarks: Sown March-April, harvested October. Self-consumption. Annual. Cultivar. Seed.
- PI 512771 donor id: C-CU-17. origin: Spain. collected: August 03, 1984. collector id: C-CU-17. locality: Property reserve, 2km from Talset, Tarragona Province. latitude: 41 deg. 10 min. N. longitude: 00 deg. 48 min. E. elevation: 364m. remarks: Sown March-April, harvested October. Self-consumption. Annual. Cultivar. Seed.
- PI 512772 donor id: C-CU-18. origin: Spain. collected: August 03, 1984. collector id: C-CU-18. locality: Property reserve, 2km from Talset, Taragona Province. latitude: 41 deg. 10 min. N. longitude: 00 deg. 48 min. E. elevation: 364m. remarks: Sown March-April, harvested October. Self-consumption. Annual. Cultivar. Seed.
- PI 512773 donor id: C-CU-19. origin: Spain. collected: August 02, 1984. collector id: C-CU-19. locality: Property reserve, 1 km of Montbrio, Tarragona Province. latitude: 41 deg. 07 min. N. longitude: 01 deg. 03 min. E. elevation: 232m. remarks: Sown March, harvested June-July. Self-consumption. Annual. Cultivar. Seed.
- PI 512774 donor id: C-CU-20. origin: Spain. collected: August 02, 1984. collector id: C-CU-20. locality: Property reserve, Rio De Canar, Tarragona Province. latitude: 41 deg. 10 min. N. longitude: 00 deg. 57 min. E. elevation: 195m. remarks: Sown May, harvested August-September. Self-consumption. Annual. Cultivar. Seed.
- PI 512775 donor id: C-CU-21. origin: Spain. collected: August 02, 1984. collector id: C-CU-21. locality: Property reserve, Rio De Canar, Tarragona Province. latitude: 41 deg. 10 min. N. longitude: 00 deg. 57 min. E. elevation: 195m. remarks: Sown May, harvested Augst-September. Self-consumption. Annual. Cultivar. Seed.

PI 512697 to 512888-continued

- PI 512776 donor id: C-CU-22. origin: Spain. collected: August 02, 1984. collector id: C-CU-22. locality: Property reserve, Rio De Canar, Tarragona Province. latitude: 41 deg. 10 min. N. longitude: 00 deg. 57 min. E. elevation: 195m. remarks: Sown May, harvested August-September. Self-consumption. Annual. Cultivar. Seed.
- PI 512777 donor id: C-CU-23. origin: Spain. collected: August 03, 1984. collector id: C-CU-23. locality: Property reserve, 3km from Garcia to Mora La Novia, Tarragona Province. latitude: 41 deg. 08 min. N. longitude: 00 deg. 30 min. E. elevation: 73m. remarks: Sown April-May, harvested July-August. Self-consumption. Annual. Cultivar. Seed.
- PI 512778 donor id: C-CU-24. origin: Spain. collected: August 03, 1984. collector id: C-CU-24. locality: Property reserve, 3km from Garcia to Mora La Novia, Tarragona Province. latitude: 41 deg. 08 min. N. longitude: 00 deg. 30 min. E. elevation: 73m. remarks: Sown April-May, harvested July-August. Self-consumption. Annual. Cultivar. Seed.
- PI 512779 donor id: C-CU-25. origin: Spain. collected: August 03, 1984. collector id: C-CU-25. locality: Property reserve, 3km from Garcia to Mora La Novia, Tarragona Province. latitude: 41 deg. 08 min. N. longitude: 00 deg. 30 min. E. elevation: 73m. remarks: Sown April-May, harvested July-August. Self-consumption. Annual. Cultivar. Seed.
- PI 512780 donor id: C-CU-26. origin: Spain. collected: August 03, 1984. collector id: C-CU-26. locality: Property reserve, Vinebre, Tarragona Province. latitude: 41 deg. 12 min. N. longitude: 00 deg. 35 min. E. elevation: 34m. remarks: Sown March, harvested July-August. Self-consumption. Annual. Cultivar. Seed.
- PI 512781 donor id: CM-CU-2. origin: Spain. collected: October 09, 1984. collector id: CM-CU-2. locality: Farmland, Retamoso De La Jara, Toledo Province. latitude: 39 deg. 43 min. N. longitude: 04 deg. 46 min. W. elevation: 608m. remarks: Sown beginning May, harvested July-August. Annual. Primitive Cultivar. Seed.
- PI 512782 donor id: CM-CU-4. origin: Spain. collected: October 09, 1984. collector id: CM-CU-4. locality: Farmland, Retamoso De La Jara, Toledo Province. latitude: 39 deg. 43 min. N. longitude: 04 deg. 46 min. W. elevation: 608m. remarks: Sown beginning May, harvested July-August. Annual. Primitive Cultivar. Seed.

PI 512697 to 512888-continued

- PI 512783 donor id: CM-CU-5. origin: Spain. collected: September 21, 1984. collector id: CM-CU-5. locality: Property reserve, Azutan, Toledo Province. latitude: 39 deg. 45 min. N. longitude: 05 deg. 09 min. W. elevation: 329m. remarks: Sown April, harvested September. Used to make black pudding. Annual. Primitive Cultivar. Seed.
- PI 512784 donor id: CM-CU-6. origin: Spain. collected: September 22, 1984. collector id: CM-CU-6. locality: Property reserve, Beluis De La Jara, Toledo Province. latitude: 39 deg. 50 min. N. longitude: 05 deg. 02 min. W. elevation: 450m. remarks: Sown April, harvested September. Used to make black pudding. Annual. Primitive Cultivar. Seed.
- PI 512785 donor id: CM-CU-7. origin: Spain. collected: September 21, 1984. collector id: CM-CU-7. locality: Property reserve, Aldeanueva de San Bartolome, Toledo Province. latitude: 39 deg. 32 min. N. longitude: 05 deg. 08 min. W. elevation: 559m. remarks: Sown May, harvested August. Annual. Primitive Cultivar. Seed.
- PI 512786 donor id: E-CU-1. origin: Spain. collected: August 23, 1984. collector id: E-CU-1. locality: Property reserve, 3km from Hervas, Caceres Province. latitude: 40 deg. 04 min. N. longitude: 06 deg. 00 min. W. elevation: 700m. remarks: Sown February, harvested September-October. Annual. Primitive Cultivar. Seed.
- PI 512787 donor id: E-CU-3. origin: Spain. collected: August 22, 1984. collector id: E-CU-3. locality: Property reserve, 3km from Hoyos, Caceres Province. latitude: 40 deg. 02 min. N. longitude: 06 deg. 07 min. W. elevation: 320m. remarks: Sown March, harvested September. Annual. Primitive Cultivar. Seed.
- PI 512788 donor id: E-CU-4. origin: Spain. collected: August 22, 1984. collector id: E-CU-4. locality: Property reserve, 3km from Hoyos, Caceres Province. latitude: 40 deg. 02 min. N. longitude: 06 deg. 07 min. W. elevation: 320m. remarks: Sown March, harvested September. Annual. Primitive Cultivar. Seed.
- PI 512789 donor id: E-CU-5. origin: Spain. collected: August 22, 1984. collector id: E-CU-5. locality: Property reserve, 3km from Hoyos, Caceres Province. latitude: 40 deg. 02 min. N. longitude: 06 deg. 07 min. W. elevation: 320m. remarks: Sown March, harvested September. Annual. Primitive Cultivar. Seed.

PI 512697 to 512888-continued

- PI 512790 donor id: E-CU-6. origin: Spain. collected: August 21, 1984. collector id: E-CU-6. locality: Property reserve, 2km of Azabal, Caceres Province. latitude: 40 deg. 04 min. N. longitude: 06 deg. 04 min. W. elevation: 550m. remarks: Sown March, harvested September. Annual. Primitive Cultivar. Seed.
- PI 512791 donor id: E-CU-7. origin: Spain. collected: August 20, 1984. collector id: E-CU-7. locality: Property reserve, 3km N of Alagon Del Caudillo, Caceres Province. latitude: 39 deg. 09 min. N. longitude: 06 deg. 02 min. W. elevation: 320m. remarks: Sown April, harvested September. Annual. Primitive Cultivar. Seed.
- PI 512792 donor id: E-CU-8. origin: Spain. collected: August 20, 1984. collector id: E-CU-8. locality: Property reserve, 3km N of Alagon Del Caudillo, Caceres Province. latitude: 39 deg. 09 min. N. longitude: 06 deg. 02 min. W. elevation: 320m. remarks: Sown April, harvested September. Used as liquid container. Annual. Primitive Cultivar. Seed.
- PI 512793 donor id: E-CU-9. origin: Spain. collected: August 18, 1984. collector id: E-CU-9. locality: Property reserve, 2km N of Valdeinigos, Caceres Province. latitude: 40 deg. 01 min. N. longitude: 05 deg. 06 min. W. elevation: 500m. remarks: Sown April, harvested August. Used for stew. Annual. Primitive Cultivar. Seed.
- PI 512794 donor id: E-CU-10. origin: Spain. collected: August 17, 1984. collector id: E-CU-10. locality: Property reserve, 2km N of Garganta De La Olla, Caceres Province. latitude: 40 deg. 01 min. N. longitude: 05 deg. 06 min. W. elevation: 650m. remarks: Sown April, harvested August. Used for stew. Annual. Primitive Cultivar. Seed.
- PI 512795 donor id: E-CU-11. origin: Spain. collected: August 17, 1984. collector id: E-CU-11. locality: Property reserve, 1 km S of Garganta De La Olla, Caceres Province. latitude: 40 deg. 01 min. N. longitude: 05 deg. 06 min. W. elevation: 650m. remarks: Sown April, harvested September. Used for stew. Annual. Primitive Cultivar. Seed.
- PI 512796 donor id: E-CU-12. origin: Spain. collected: August 17, 1984. collector id: E-CU-12. locality: Property reserve, 2km N og Garganta De La Olla, Caceres Province. latitude: 40 deg. 01 min. N. longitude: 05 deg. 06 min. W. elevation: 650m. remarks: Sown April, harvested September. Used for stew. Annual. Primitive Cultivar. Seed.

PI 512697 to 512888-continued

- PI 512797 donor id: E-CU-13. origin: Spain. collected: August 17, 1984. collector id: E-CU-13. locality: Property reserve, 2km N og Garganta De La Olla, Caceres Province. latitude: 40 deg. 01 min. N. longitude: 05 deg. 06 min. W. elevation: 650m. remarks: Sown April, harvested September. Used for stew. Annual. Primitive Cultivar. Seed.
- PI 512798 donor id: E-CU-14. origin: Spain. collected: August 15, 1984. collector id: E-CU-14. locality: Property reserve, 1 km N of Naracoucijo, Caceres Province. latitude: 40 deg. 02 min. N. longitude: 05 deg. 08 min. W. elevation: 500m. remarks: Sown April-May, harvested September. Used for stew and liquid container. Annual. Primitive Cultivar. Seed.
- PI 512799 donor id: S-CU-1. origin: Spain. collected: August 16, 1984. collector id: S-CU-1. locality: Property reserve, Torrelavega, Santander Province. latitude: 43 deg. 24 min. N. longitude: 04 deg. 04 min. W. elevation: 23m. remarks: Sown February-March, harvested September-October. Used for stew and black pudding. Annual. Primitive Cultivar. Seed.
- PI 512800 donor id: S-CU-2. origin: Spain. collected: August 16, 1984. collector id: S-CU-2. locality: Property reserve, Caranceja, Santander Province. latitude: 43 deg. 22 min. N. longitude: 04 deg. 12 min. W. remarks: Sown February-March, harvested September-October. Used for livestock feed. Annual. Primitive Cultivar. Seed.
- PI 512801 donor id: S-CU-3. origin: Spain. collected: August 16, 1984. collector id: S-CU-3. locality: Property reserve, Ontoria, Santander Province. latitude: 43 deg. 21 min. N. longitude: 04 deg. 12 min. W. elevation: 128m. remarks: Sown February, harvested September. Used for livestock feed. Annual. Primitive Cultivar. Seed.
- PI 512802 donor id: S-CU-4. origin: Spain. collected: August 17, 1984. collector id: S-CU-4. locality: Property reserve, Caberon De La sal, Santander Province. latitude: 43 deg. 20 min. N. longitude: 04 deg. 16 min. W. elevation: 128m. remarks: Sown February, harvested September. Used for livestock feed. Annual. Primitive Cultivar. Seed.
- PI 512803 donor id: S-CU-5. origin: Spain. collected: August 14, 1984. collector id: S-CU-5. locality: Property reserve, Santibanez, Santander Province. latitude: 43 deg. 18 min. N. longitude: 04 deg. 16 min. W. elevation: 128m. remarks: Sown March, harvested October. Used for animal feed. Annual. Primitive Cultivar. Seed.

PI 512697 to 512888-continued

- PI 512804 donor id: V-CU-2. origin: Spain. collected: June 15, 1984. collector id: V-CU-2. locality: Farmland, Cocentaina, Alicante Province. latitude: 38 deg. 45 min. N. longitude: 00 deg. 20 min. W. elevation: 450m. remarks: Sown March-April, harvested June. Annual. Primitive Cultivar. Seed.
- PI 512805 donor id: V-CU-3. origin: Spain. collected: June 18, 1984. collector id: V-CU-3. locality: Farmland, La Punta, Valenica Province. latitude: 39 deg. 26 min. N. longitude: 00 deg. 20 min. W. elevation: 13m. remarks: Sown March, harvested June-July. Used for cooking. Annual. Seed.
- PI 512806 donor id: V-CU-4. origin: Spain. collected: June 14, 1984. collector id: V-CU-4. locality: Farmland, Utiel, Valencia Province. latitude: 39 deg. 38 min. N. longitude: 04 deg. 42 min. W. elevation: 720m. remarks: Sown March-April, harvested October-November. Used for decorating. Annual. Primitive Cultivar. Seed.
- PI 512807 donor id: V-CU-5. origin: Spain. collected: June 15, 1984. collector id: V-CU-5. locality: Farmland, Siete Aguas, Valenica Province. latitude: 39 deg. 29 min. N. longitude: 00 deg. 52 min. W. elevation: 700m. remarks: Sown March, harvested August. Self-consumption. Annual. Primitive Cultivar. Seed.
- PI 512808 donor id: V-CU-6. origin: Spain. collected: June 14, 1984. collector id: V-CU-6. locality: Farmland, Utiel, Valencia Province. latitude: 39 deg. 38 min. N. longitude: 04 deg. 42 min. W. elevation: 720m. remarks: Sown March-April, harvested October-November. Used for decorating. Annual. Primitive Cultivar. Seed.
- PI 512809 donor id: V-CU-7. origin: Spain. collected: June 14, 1984. collector id: V-CU-7. locality: Farmland, Utiel, Valencia Province. latitude: 39 deg. 38 min. N. longitude: 04 deg. 42 min. W. elevation: 720m. remarks: Sown March-April, harvested October-November. Self-consumption. Annual. Primitive Cultivar. Seed.
- PI 512810 donor id: V-CU-10. origin: Spain. collected: June 14, 1984. collector id: V-CU-10. locality: Farmland, Utiel, Valencia Province. latitude: 39 deg. 38 min. N. longitude: 04 deg. 42 min. W. elevation: 720m. remarks: Sown March-April, harvested June-September. Self-consumption. Annual. Primitive Cultivar. Seed.

PI 512697 to 512888-continued

- PI 512811 donor id: V-CU-12. origin: Spain. collected: June 14, 1984. collector id: V-CU-12. locality: Farmland, Venta Del Moro, Valencia Province. latitude: 39 deg. 28 min. N. longitude: 01 deg. 20 min. W. elevation: 730m. remarks: Sown May, harvested August. Self-consumption. Annual. Primitive Cultivar. Seed.
- PI 512812 donor id: V-CU-13. origin: Spain. collected: June 14, 1984. collector id: V-CU-13. locality: Farmland, Venta del Moro, Valencia Province. latitude: 39 deg. 28 min. N. longitude: 01 deg. 20 min. W. elevation: 730m. remarks: Sown March-April, harvested October-November. Used for decorating. Annual. Primitive Cultivar. Seed.
- PI 512813 donor id: V-CU-14. origin: Spain. collected: June 14, 1984. collector id: V-CU-14. locality: Farmland, Venta del Moro, Valencia Province. latitude: 39 deg. 28 min. N. longitude: 01 deg. 20 min. W. elevation: 730m. remarks: Sown May, harvested August. Used for consumption. Annual. Primitive Cultivar. Seed.
- PI 512814 donor id: V-CU-15. origin: Spain. collected: June 15, 1984. collector id: V-CU-15. locality: Farmland, Siete Aguas, Valenica Province. latitude: 39 deg. 28 min. N. longitude: 00 deg. 52 min. W. elevation: 700m. remarks: Sown March, harvested August. Annual. Primitive Cultivar. Seed.
- PI 512815 donor id: V-CU-16. origin: Spain. collected: June 15, 1984. collector id: V-CU-16. locality: Farmland, Siete Aguas, Valenica Province. latitude: 39 deg. 28 min. N. longitude: 00 deg. 52 min. W. elevation: 700m. remarks: Sown March, harvested August. Annual. Primitive Cultivar. Seed.
- PI 512816 donor id: V-CU-17. origin: Spain. collected: June 14, 1984. collector id: V-CU-17. locality: Farmland, Villar Del Arzobispo, Valencia Province. latitude: 39 deg. 44 min. N. longitude: 00 deg. 50 min. W. elevation: 520m. remarks: Sown April, harvested July. Few acres cultivated. Used for decorating and storing wine. Annual. Primitive Cultivar. Seed.
- PI 512817 donor id: V-CU-18. origin: Spain. collected: June 14, 1984. collector id: V-CU-18. locality: Farmland, Villar Del Arzobispo, Valencia Province. latitude: 39 deg. 44 min. N. longitude: 00 deg. 50 min. W. elevation: 520m. remarks: Sown April, harvested June. Self-consumption. Annual. Primitive Cultivar. Seed.

PI 512697 to 512888-continued

- PI 512818 donor id: V-CU-19. origin: Spain. collected: July 20, 1984. collector id: V-CU-19. locality: Farmland, 13km SE of Salon, Alicante Province. latitude: 38 deg. 45 min. N. longitude: 00 deg. 02 min. W. elevation: 225m. remarks: Sown April, harvested June. Self-consumption. Annual. Primitive Cultivar. Seed.
- PI 512819 donor id: V-CU-20. origin: Spain. collected: July 20, 1984. collector id: V-CU-20. locality: Farmland, 13km SE of Salon, Alicante Province. latitude: 38 deg. 45 min. N. longitude: 00 deg. 02 min. W. elevation: 225m. remarks: Sown March-April, harvested July. Used as fritter. Annual. Primitive Cultivar. Seed.
- PI 512820 donor id: V-CU-21. origin: Spain. collected: July 18, 1984. collector id: V-CU-21. locality: Farmland, La Pobla De Benifasar, Castellon Province. latitude: 40 deg. 40 min. N. longitude: 00 deg. 12 min. W. elevation: 580m. remarks: Sown April, harvested June-July. Self-consumption. Annual. Primitive Cultivar. Seed.
- PI 512821 donor id: V-CU-25. origin: Spain. collected: July 19, 1984. collector id: V-CU-25. locality: Patio Benisa, Alicante Province. latitude: 38 deg. 42 min. N. longitude: 00 deg. 02 min. E. elevation: 274m. remarks: Sown March, harvested October. Local consumption. Annual. Cultivar. Seed.
- PI 512822 donor id: V-CU-26. origin: Spain. collected: July 10, 1984. collector id: V-CU-26. locality: Property reserve, 1 km E of Alquiria De Alfara, Valenica Province. latitude: 39 deg. 45 min. N. longitude: 00 deg. 22 min. W. elevation: 183m. remarks: Sown February-June, harvested May. Local-consumption. Annual. Cultivar. Seed.
- PI 512823 donor id: V-CU-27. origin: Spain. collected: July 10, 1984. collector id: V-CU-27. locality: Property reserve, 1 km E of Alquiria De Alfara, Valenica Province. latitude: 39 deg. 45 min. N. longitude: 00 deg. 22 min. W. elevation: 183m. remarks: Sown February-June, harvested May. Local consumption. Annual. Cultivar. Seed.
- PI 512824 donor id: V-CU-28. origin: Spain. collected: July 22, 1984. collector id: V-CU-28. locality: Farmland, 1 km N of Novelda, Alicante Province. latitude: 38 deg. 22 min. N. longitude: 00 deg. 46 min. W. elevation: 390m. remarks: Used for decorating. Annual. Cultivated. Seed.

PI 512697 to 512888-continued

- PI 512825 donor id: V-CU-31. origin: Spain. collected: July 24, 1984. collector id: V-CU-31. locality: Farmland, .2km E of Canada, Alicante Province. latitude: 38 deg. 41 min. N. longitude: 00 deg. 48 min. W. elevation: 500m. remarks: Sown March-April, harvested October. Used for forage. Annual. Cultivar. Seed.
- PI 512826 donor id: V-CU-32. origin: Spain. collected: July 24, 1984. collector id: V-CU-32. locality: Farmland, .2km E of Canada, Alicante Province. latitude: 38 deg. 41 min. N. longitude: 00 deg. 48 min. W. elevation: 500m. remarks: Sown March, harvested October-November. Local consumption. Annual. Cultivar. Seed.
- PI 512827 donor id: V-CU-35. origin: Spain. collected: July 24, 1984. collector id: V-CU-35. locality: Farmland, .2km E of Canada, Alicante Province. latitude: 38 deg. 41 min. N. longitude: 00 deg. 48 min. W. elevation: 500m. remarks: Sown March-April, harvested October. Used as forage. Annual. Cultivar. Seed.
- PI 512828 donor id: V-CU-42. origin: Spain. collected: July 10, 1984. collector id: V-CU-42. locality: Property reserve, 1 km W of Algar, Valencia Province. latitude: 39 deg. 47 min. N. longitude: 00 deg. 22 min. W. elevation: 204m. remarks: Sown March, harvested July. Local consumption. Annual. Cultivar. Seed.
- PI 512829 donor id: V-CU-43. origin: Spain. collected: July 10, 1984. collector id: V-CU-43. locality: Property reserve, .2km E of Albalat, Valencia Province. latitude: 39 deg. 42 min. N. longitude: 00 deg. 20 min. W. elevation: 96m. remarks: Sown June, harvested August. Local consumption. Annual. Cultivar. Seed.
- PI 512830 donor id: V-CU-45. origin: Spain. collected: July 10, 1984. collector id: V-CU-45. locality: Property reserve, .2km E of Alabat, Valencia Province. latitude: 39 deg. 42 min. N. longitude: 00 deg. 20 min. W. elevation: 96m. remarks: Sown June, harvested August. Local consumption. Annual. Cultivar. Seed.
- PI 512831 donor id: V-CU-46. origin: Spain. collected: July 25, 1984. collector id: V-CU-46. locality: Farmland, 2km E of Aguas De Busot, Alicante Province. latitude: 38 deg. 31 min. N. longitude: 00 deg. 22 min. W. elevation: 400m. remarks: Sown April, harvested May-June. Local consumption. Annual. Cultivar. Seed.

PI 512697 to 512888-continued

- PI 512832 donor id: V-CU-48. origin: Spain. collected: August 02, 1984. collector id: V-CU-48. locality: Institute Vinaroz, Castellon De La Plana Province. latitude: 40 deg. 27 min. N. longitude: 00 deg. 30 min. E. elevation: 23m. remarks: Sown June, harvested October. Used to roast in oven. Annual. Cultivar. Seed.
- PI 512833 donor id: V-CU-49. origin: Spain. collected: August 02, 1984. collector id: V-CU-49. locality: Institute Vinaroz, Castellon De La Plana Province. latitude: 40 deg. 27 min. N. longitude: 00 deg. 30 min. E. elevation: 23m. remarks: Sown June, harvested October. Used to roast in oven. Annual. Cultivar. Seed.
- PI 512834 donor id: V-CU-50. origin: Spain. collected: July 18, 1984. collector id: V-CU-50. locality: Property reserve, 4km Pobla De Benifasar, Castellon De La Plana Province. latitude: 40 deg. 40 min. N. longitude: 00 deg. 12 min. E. elevation: 600m. remarks: Sown May, harvested July-August. Self-consumption. Annual. Cultivar. Seed.
- PI 512835 donor id: V-CU-52. origin: Spain. collected: June 1984. collector id: V-CU-52. locality: Farmland, Albocacer, Castellon de la Plana Province. latitude: 40 deg. 20 min. N. longitude: 00 deg. 02 min. E. elevation: 560m. remarks: Sown March, harvested September. Used for jam. Annual. Primitive Cultivar. Seed.
- PI 512836 donor id: V-CU-53. origin: Spain. collected: June 1984. collector id: V-CU-53. locality: Farmland, Hostalet De Benasal, Castellon de la Plana Province. latitude: 40 deg. 22 min. N. longitude: 00 deg. 10 min. W. elevation: 820m. remarks: Sown March, harvested September. Animal feed. Annual. Primitive Cultivar. Seed.
- PI 512837 donor id: V-CU-54. origin: Spain. collected: June 1984. collector id: V-CU-54. locality: Farmland, Hostalet De Benasal, Castellon de la Plana Province. latitude: 40 deg. 22 min. N. longitude: 00 deg. 10 min. W. elevation: 820m. remarks: Sown March, harvested September. Used for stew. Annual. Primitive Cultivar. Seed.
- PI 512838 donor id: V-CU-55. origin: Spain. collected: June 1984. collector id: V-CU-55. locality: Farmland, Hostalet De Benasal, Castellon de la Plana Province. latitude: 40 deg. 22 min. N. longitude: 00 deg. 10 min. W. elevation: 820m. remarks: Sown March, harvested September. Used for wine containers and floaters. Annual. Primitive Cultivar. Seed.

PI 512697 to 512888-continued

- PI 512839 donor id: V-CU-56. origin: Spain. collected: September 21, 1984. collector id: V-CU-56. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 01 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Local consumption. Annual. Primitive Cultivar. Seed.
- PI 512840 donor id: V-CU-57. origin: Spain. collected: September 21, 1984. collector id: V-CU-57. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 01 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Fruit almost round. Skin has green and yellow stripes. Used for decorations. Annual. Primitive Cultivar. Seed.
- PI 512841 donor id: V-CU-59. origin: Spain. collected: September 21, 1984. collector id: V-CU-59. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 01 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Local consumption. Annual. Primitive Cultivar. Seed.
- PI 512842 donor id: V-CU-60. origin: Spain. collected: September 21, 1984. collector id: V-CU-60. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 01 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Local consumption. Annual. Primitive Cultivar. Seed.
- PI 512843 donor id: V-CU-61. origin: Spain. collected: September 21, 1984. collector id: V-CU-61. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 01 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Local consumption. Annual. Primitive Cultivar. Seed.
- PI 512844 donor id: V-CU-64. origin: Spain. collected: September 21, 1984. collector id: V-CU-64. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 01 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Local consumption. Annual. Primitive Cultivar. Seed.
- PI 512845 donor id: V-CU-65. origin: Spain. collected: September 21, 1984. collector id: V-CU-65. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 01 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Local consumption. Annual. Primitive Cultivar. Seed.

PI 512697 to 512888-continued

- PI 512846 donor id: V-CU-68. origin: Spain. collected: September 21, 1984. collector id: V-CU-68. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 01 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Local consumption. Annual. Primitive Cultivar. Seed.
- PI 512847 donor id: V-CU-69. origin: Spain. collected: September 21, 1984. collector id: V-CU-69. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 01 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Local consumption. Annual. Primitive Cultivar. Seed.
- PI 512848 donor id: V-CU-70. origin: Spain. collected: July 21, 1984. collector id: V-CU-70. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 01 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Fruit small, 10cm in diameter, yellow. Used for decorating. Annual. Primitive Cultivar. Seed.
- PI 512849 donor id: V-CU-71. origin: Spain. collected: September 21, 1984. collector id: V-CU-71. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 01 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Local consumption. Annual. Primitive Cultivar. Seed.
- PI 512850 donor id: V-CU-72. origin: Spain. collected: September 21, 1984. collector id: V-CU-72. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 01 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Local consumption. Annual. Primitive Cultivar. Seed.
- PI 512851 donor id: V-CU-74. origin: Spain. collected: September 22, 1984. collector id: V-CU-74. locality: Farmland, Casas Altas, Valencia Province. latitude: 40 deg. 02 min. N. longitude: 01 deg. 16 min. W. elevation: 900m. remarks: Sown April, harvested August-September. Annual. Primitive Cultivar. Seed.
- PI 512852 donor id: V-CU-75. origin: Spain. collected: September 22, 1984. collector id: V-CU-75. locality: Farmland, Casas Altas, Valencia Province. latitude: 40 deg. 02 min. N. longitude: 01 deg. 16 min. W. elevation: 900m. remarks: Sown April, harvested August-September. Annual. Primitive Cultivar. Seed.

PI 512697 to 512888-continued

- PI 512853 donor id: V-CU-76. origin: Spain. collected: September 22, 1984. collector id: V-CU-76. locality: Farmland, Casas Altas, Valenica Province. latitude: 40 deg. 02 min. N. longitude: 01 deg. 16 min. W. elevation: 900m. remarks: Sown April, harvested August-September. Annual. Primitive Cultivar. Seed.
- PI 512854 donor id: V-CU-77. origin: Spain. collected: September 22, 1984. collector id: V-CU-77. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 02 min. N. longitude: 01 deg. 16 min. W. elevation: 900m. remarks: Sown April, harvested August-September. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512855 donor id: V-CU-78. origin: Spain. collected: September 22, 1984. collector id: V-CU-78. locality: Farmland, Casas Altas, Valenica Province. latitude: 40 deg. 02 min. N. longitude: 01 deg. 16 min. W. elevation: 900m. remarks: Sown April, harvested August-September. Annual. Primitive Cultivar. Seed.
- PI 512856 donor id: V-CU-79. origin: Spain. collected: September 22, 1984. collector id: V-CU-79. locality: Farmland, Casas Altas, Valenica Province. latitude: 40 deg. 02 min. N. longitude: 01 deg. 16 min. W. elevation: 900m. remarks: Sown April, harvested August-September. Annual. Primitive Cultivar. Seed.
- PI 512857 donor id: V-CU-80. origin: Spain. collected: September 21, 1984. collector id: V-CU-80. locality: Farmland, Casas Altas, Valencia Province. latitude: 40 deg. 02 min. N. longitude: 01 deg. 16 min. W. elevation: 900m. remarks: Sown April, harvested August-September. Used for decorating. Annual. Primitive Cultivar. Seed.
- PI 512858 donor id: V-CU-81. origin: Spain. collected: September 21, 1984. collector id: V-CU-81. locality: Farmland, Casas Altas, Valencia Province. latitude: 40 deg. 02 min. N. longitude: 01 deg. 16 min. W. elevation: 900m. remarks: Sown April, harvested August-September. Used for decorating. Annual. Primitive Cultivar. Seed.
- PI 512859 donor id: V-CU-82. origin: Spain. collected: September 21, 1984. collector id: V-CU-82. locality: Farmland, Casas Altas, Valencia Province. latitude: 40 deg. 02 min. N. longitude: 01 deg. 16 min. W. elevation: 900m. remarks: Sown April, harvested August-September. Used for decorating. Annual. Primitive Cultivar. Seed.

PI 512697 to 512888-continued

- PI 512860 donor id: V-CU-83. origin: Spain. collected: September 21, 1984. collector id: V-CU-83. locality: Farmland, Casas Altas, Valencia Province. latitude: 40 deg. 02 min. N. longitude: 01 deg. 16 min. W. elevation: 900m. remarks: Sown April, harvested August-September. Used for decorating. Annual. Primitive Cultivar. Seed.
- PI 512861 donor id: V-CU-84. origin: Spain. collected: September 21, 1984. collector id: V-CU-84. locality: Farmland, Casas Altas, Valencia Province. latitude: 40 deg. 02 min. N. longitude: 01 deg. 16 min. W. elevation: 900m. remarks: Sown April, harvested August-September. Used for decorating. Annual. Primitive Cultivar. Seed.
- PI 512862 donor id: V-CU-85. origin: Spain. collected: September 21, 1984. collector id: V-CU-85. locality: Farmland, Casas Altas, Valencia Province. latitude: 40 deg. 02 min. N. longitude: 01 deg. 16 min. W. elevation: 900m. remarks: Sown April, harvested August-September. Used for decorating. Annual. Primitive Cultivar. Seed.
- PI 512863 donor id: V-CU-86. origin: Spain. collected: September 21, 1984. collector id: V-CU-86. locality: Farmland, Casas Altas, Valencia Province. latitude: 40 deg. 02 min. N. longitude: 01 deg. 16 min. W. elevation: 900m. remarks: Sown April, harvested August-September. Used for decorating. Annual. Primitive Cultivar. Seed.
- PI 512864 donor id: V-CU-87. origin: Spain. collected: September 21, 1984. collector id: V-CU-87. locality: Farmland, Casas Altas, Valencia Province. latitude: 40 deg. 02 min. N. longitude: 01 deg. 16 min. W. elevation: 900m. remarks: Sown April, harvested August-September. Used for decorating. Annual. Primitive Cultivar. Seed.
- PI 512865 donor id: V-CU-88. origin: Spain. collected: September 21, 1984. collector id: V-CU-88. locality: Farmland, Casas Altas, Valencia Province. latitude: 40 deg. 02 min. N. longitude: 01 deg. 16 min. W. elevation: 900m. remarks: Sown April, harvested August-September. Used for decorating. Annual. Primitive Cultivar. Seed.
- PI 512866 donor id: V-CU-89. origin: Spain. collected: September 23, 1984. collector id: V-CU-89. locality: Farmland, Chulilla, Valencia Province. latitude: 39 deg. 40 min. N. longitude: 01 deg. 52 min. W. elevation: 400m. remarks: Harvested September-October. Annual. Primitive Cultivar. Seed.

PI 512697 to 512888-continued

- PI 512867 donor id: V-CU-93. origin: Spain. collected: October 23, 1984. collector id: V-CU-93. locality: Property reserve, Fanzara, Castellon de la Plana Province. latitude: 40 deg. 03 min. N. longitude: 01 deg. 20 min. W. elevation: 120m. remarks: Sown January, harvested August. Self consumption. Annual. Cultivar. Seed.
- PI 512868 donor id: V-CU-96. origin: Spain. collected: October 23, 1984. collector id: V-CU-96. locality: Property reserve, Argelita, Castellon de la Plana Province. latitude: 40 deg. 03 min. N. longitude: 00 deg. 21 min. W. elevation: 311m. remarks: Sown March-April, harvested July-August. Self consumption. Annual. Cultivar. Seed.
- PI 512869 donor id: V-CU-98. origin: Spain. collected: October 23, 1984. collector id: V-CU-98. locality: Farmland, 5km from Onda to Villareal, Castellon de la Plana Province. latitude: 39 deg. 58 min. N. longitude: 00 deg. 17 min. W. elevation: 60m. remarks: Sown April, harvested August-September. Self-consumption. Annual. Cultivar. Seed.
- PI 512870 donor id: V-CU-99. origin: Spain. collected: October 23, 1984. collector id: V-CU-99. locality: Farmland, Vallat, Castellon de la Plana Province. latitude: 40 deg. 03 min. N. longitude: 00 deg. 20 min. W. elevation: 300m. remarks: Sown March, harvested June-July. Self-consumption. Annual. Cultivar. Seed.
- PI 512871 donor id: V-CU-100. origin: Spain. collected: October 23, 1984. collector id: V-CU-100. locality: Farmland, Vallat, Castellon de la Plana Province. latitude: 40 deg. 03 min. N. longitude: 00 deg. 20 min. W. elevation: 300m. remarks: Sown March, harvested June-July. Used for self-consumption. Annual. Cultivar. Seed.
- PI 512872 donor id: V-CU-103. origin: Spain. collected: June 23, 1984. collector id: V-CU-103. locality: Property reserve, Alfara, Valencia. latitude: 39 deg. 46 min. N. longitude: 00 deg. 22 min. W. elevation: 70m. remarks: Sown March-April, harvested June. Annual. Cultivar. Seed.
- PI 512873 donor id: V-CU-104. origin: Spain. collected: June 23, 1984. collector id: V-CU-104. locality: Property reserve, Muserds, Valencia Province. latitude: 39 deg. 34 min. N. longitude: 00 deg. 20 min. W. elevation: 12m. remarks: Sown March, harvested June-July. Used for self-consumption. Annual. Cultivar. Seed.

PI 512697 to 512888-continued

- PI 512874 donor id: V-CU-108. origin: Spain. collected: October 25, 1984. collector id: V-CU-108. locality: Farmland, La Foya, Castellon del la Plana Province. latitude: 40 deg. 06 min. N. longitude: 00 deg. 14 min. W. elevation: 140m. remarks: Sown May, harvested October. Used fried. Annual. Primitive Cultivar. Seed.
- PI 512875 donor id: V-CU-109. origin: Spain. collected: October 25, 1984. collector id: V-CU-109. locality: Farmland, Figueroles, Castellon de la Plana Province. latitude: 40 deg. 08 min. N. longitude: 00 deg. 15 min. W. elevation: 340m. remarks: Sown February-March, harvested June. Self consumption. Annual. Primitive Cultivar. Seed.
- PI 512876 donor id: V-CU-110. origin: Spain. collected: October 25, 1984. collector id: V-CU-110. locality: Farmland, Figueroles, Castellon de la Plana Province. latitude: 40 deg. 08 min. N. longitude: 00 deg. 15 min. W. elevation: 340m. remarks: Sown May, harvested October. Used for roasting. Annual. Primitive Cultivar. Seed.
- PI 512877 donor id: V-CU-111. origin: Spain. collected: October 25, 1984. collector id: V-CU-111. locality: Farmland, Figueroles, Castellon de la Plana Province. latitude: 40 deg. 08 min. N. longitude: 00 deg. 15 min. W. elevation: 340m. remarks: Sown May, harvested October. Used for desserts. Annual. Primitive Cultivar. Seed.
- PI 512878 donor id: V-CU-112. origin: Spain. collected: October 25, 1984. collector id: V-CU-112. locality: Farmland, Figueroles, Castellon de la Plana Province. latitude: 40 deg. 08 min. N. longitude: 00 deg. 15 min. W. elevation: 340m. remarks: Sown May, harvested October. Self-consumption. Annual. Primitive Cultivar. Seed.
- PI 512879 donor id: V-CU-114. origin: Spain. collected: October 25, 1984. collector id: V-CU-114. locality: Farmland, Villa Hermosa Del Rio, Castellon de Plana Province. latitude: 40 deg. 12 min. N. longitude: 00 deg. 27 min. W. elevation: 731m. remarks: Sown February, harvested June. Self-consumption. Annual. Primitive Cultivar. Seed.
- PI 512880 donor id: V-CU-116. origin: Spain. collected: October 25, 1984. collector id: V-CU-116. locality: Farmland, Giraba, Castellon de la Plana Province. latitude: 40 deg. 06 min. N. longitude: 00 deg. 22 min. W. elevation: 450m. remarks: Sown May, harvested October. Used for hay. Annual. Primitive Cultivar. Seed.

PI 512697 to 512888-continued

- PI 512881 donor id: V-CU-117. origin: Spain. collected: October 25, 1984. collector id: V-CU-117. locality: Farmland, Giraba, Castellon de la Plana Province. latitude: 40 deg. 06 min. N. longitude: 00 deg. 22 min. W. elevation: 450m. remarks: Sown May, harvested October. Used for hay. Annual. Primitive Cultivar. Seed.
- PI 512882 donor id: V-CU-118. origin: Spain. collected: October 25, 1984. collector id: V-CU-118. locality: Farmland, Giraba, Castellon de la Plana Province. latitude: 40 deg. 06 min. N. longitude: 00 deg. 22 min. W. elevation: 450m. remarks: Sown May, harvested October. Self-consumption. Annual. Primitive Cultivar. Seed.
- PI 512883 donor id: V-CU-121. origin: Spain. collected: October 23, 1984. collector id: V-CU-121. locality: Farmland, 5km E of Onda, Castellon de la Plana Province. latitude: 39 deg. 58 min. N. longitude: 00 deg. 17 min. W. elevation: 60m. remarks: Sown April, harvested September. Self-consumption. Annual. Cultivar. Seed.
- PI 512884 donor id: V-CU-122. origin: Spain. collected: October 23, 1984. collector id: V-CU-122. locality: Farmland, 5km E of Onda, Castellon de la Plana Province. latitude: 39 deg. 58 min. N. longitude: 00 deg. 17 min. W. elevation: 60m. remarks: Sown April, harvested September. Self-consumption. Annual. Cultivar. Seed.
- PI 512885 donor id: V-CU-123. origin: Spain. collected: October 23, 1984. collector id: V-CU-123. locality: Farmland, Fanzara, Castellon de la Plana Province. latitude: 40 deg. 03 min. N. longitude: 00 deg. 20 min. W. elevation: 120m. remarks: Sown January (seeded-March, transplanted), harvested August. Self-consumption. Annual. Cultivar. Seed.
- PI 512886 donor id: V-CU-125. origin: Spain. collected: October 23, 1984. collector id: V-CU-125. locality: Farmland, Argelita, Castellon de la Plana Province. latitude: 40 deg. 03 min. N. longitude: 00 deg. 21 min. W. elevation: 311m. remarks: Sown May, harvested October. Used for hay. Annual. Cultivar. Seed.
- PI 512887 donor id: V-CU-128. origin: Spain. collected: March 09, 1984. collector id: V-CU-128. locality: Property reserve, NW Ginarcas, Valencia Province. latitude: 38 deg. 43 min. N. longitude: 01 deg. 14 min. W. elevation: 900m. Annual. Cultivar. Seed.

PI 512697 to 512888-continued

PI 512888 donor id: V-CU-129. origin: Spain. collected: July 24, 1984. collector id: V-CU-129. locality: Farmland, 0.2km E of Canada, Alicante Province. latitude: 38 deg. 41 min. N. longitude: 00 deg. 48 min. W. elevation: 500m. remarks: Sown May, harvested October. Used for hay. Annual. Cultivar. Seed.

PI 512889 to 512898. *Lagenaria siceraria* (Mol.) Standl. CUCURBITACEAE
Bottle gourd

Donated by: Nuez, F.V., Dep. De Genetica y Mejora, Univ. Politecnica, Camino de Vera, Valencia, Valencia, Spain. remarks: Received through IBPGR, Rome, Italy. Received July 22, 1985.

PI 512889 donor id: CM-CU-1. origin: Spain. collected: October 09, 1984. collector id: CM-CU-1. locality: Farmland, Retamoso de la Jara, Toledo Province. latitude: 39 deg. 43 min. N. longitude: 4 deg. 46 min. W. elevation: 608m. remarks: Sown around the first of May, harvested July-August. Annual. Primitive Cultivar. Seed.

PI 512890 donor id: V-CU-62. origin: Spain. collected: July 21, 1984. collector id: V-CU-62. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 01 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Used to store wine when dry. Annual. Primitive Cultivar. Seed.

PI 512891 donor id: V-CU-63. origin: Spain. collected: July 21, 1984. collector id: V-CU-63. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 01 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Used for decorating. Annual. Primitive Cultivar. Seed.

PI 512892 donor id: V-CU-67. origin: Spain. collected: July 21, 1984. collector id: V-CU-67. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 01 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Used for desserts. Annual. Primitive Cultivar. Seed.

PI 512893 donor id: V-CU-73. origin: Spain. collected: July 21, 1984. collector id: V-CU-73. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 01 deg. 16 min. W. elevation: 670m. remarks: Sown April, harvested August-September. Used for decorating. Annual. Primitive Cultivar. Seed.

PI 512889 to 512898-continued

- PI 512894 donor id: V-CU-91. origin: Spain. collected: October 14, 1984. collector id: V-CU-91. locality: Farmland, Beniterri, Valencia Province. latitude: 39 deg. 30 min. N. longitude: 00 deg. 22 min. W. elevation: 13m. Annual. Primitive Cultivar. Seed.
- PI 512895 donor id: V-CU-95. origin: Spain. collected: October 23, 1984. collector id: V-CU-95. locality: Farmland, Fanzara, Castellon de la Plana Province. latitude: 40 deg. 03 min. N. longitude: 00 deg. 20 min. W. elevation: 120m. remarks: Sown April, harvested August-September. Used for self consumption. Annual. Cultivar. Seed.
- PI 512896 donor id: V-CU-97. origin: Spain. collected: October 23, 1984. collector id: V-CU-97. locality: Property reserve, 5km from Onda to Villareal, Castellon de la Plana Province. latitude: 39 deg. 58 min. N. longitude: 00 deg. 17 min. W. elevation: 60m. remarks: Sown April, harvested August-September. Used for self consumption. Annual. Primitive Cultivar. Seed.
- PI 512897 donor id: V-CU-102. origin: Spain. collected: October 23, 1984. collector id: V-CU-102. locality: Farmland, Vallat, Castellon de la Plana Province. latitude: 40 deg. 03 min. N. longitude: 00 deg. 20 min. W. elevation: 300m. remarks: Sown March, harvested October. Used for self consumption. Annual. Cultivar. Seed.
- PI 512898 donor id: V-CU-120. origin: Spain. collected: October 25, 1984. collector id: V-CU-120. locality: Farmland, Giraba, Castellon de la Plana Province. latitude: 40 deg. 06 min. 3. longitude: 00 deg. 22 min. W. elevation: 450m. remarks: Sown May, harvested October. Annual. Primitive Cultivar. Seed.

PI 512899 to 513135. *Lycopersicon esculentum* Miller SOLANACEAE Tomato

Donated by: Nuez, F.V., Dep. De Genetica y Mejora, Univ. Politecnica, Camino de Vera, 14, Valencia, Valencia, Spain.
remarks: Received through IBPGR, Rome, Italy. Received July 22, 1985.

- PI 512899 donor id: A-L-2. origin: Spain. collected: October 24, 1984. collector id: A-L-2. locality: Farmland, 1.5km E of Albarracin, Teruel Province. latitude: 40 deg. 22 min. N. longitude: 1 deg. 28 min. W. elevation: 1171m. remarks: Harvested in August-September. Used for local consumption. Annual. Cultivar. Seed.

PI 512899 to 513135-continued

- PI 512900 donor id: A-L-3. origin: Spain. collected: October 24, 1984. collector id: A-L-3. locality: Farmland, 1.5km E of Albarracin, Teruel Province. latitude: 40 deg. 22 min. N. longitude: 01 deg. 28 min. W. elevation: 1171m. remarks: Sown March, transplanted in May, harvested August-September. Self-consumption. Associated crops: peppers. Annual. Cultivar. Seed.
- PI 512901 donor id: A-L-4. origin: Spain. collected: October 24, 1984. collector id: A-L-4. locality: Farmland, 0.4km NE Gea de Albarracin, Teruel Province. latitude: 40 deg. 22 min. N. longitude: 01 deg. 25 min. W. elevation: 1031m. remarks: Sown March, transplanted in May, harvested August-September. Self-consumption. Annual. Cultivar. Seed.
- PI 512902 donor id: A-L-5. origin: Spain. collected: October 24, 1984. collector id: A-L-5. locality: Farmland, 0.2km NE Gea de Albarracin, Teruel Province. latitude: 40 deg. 22 min. N. longitude: 01 deg. 25 min. W. elevation: 1031m. remarks: Sown March, transplanted in May, harvested August-September. Self-consumption. Annual. Cultivar. Seed.
- PI 512903 donor id: A-L-6. origin: Spain. collected: October 24, 1984. collector id: A-L-6. locality: Farmland, 0.2km NE Gea de Albarracin, Teruel Province. latitude: 40 deg. 22 min. N. longitude: 01 deg. 25 min. W. elevation: 1031m. remarks: Sown March, transplanted May, harvested August-September. Self-consumption. Annual. Cultivar. Seed.
- PI 512904 donor id: A-L-7. origin: Spain. collected: July 17, 1984. collector id: A-L-7. locality: Property reserve, 2km N of Quicena, Huesca Province. latitude: 42 deg. 10 min. N. longitude: 00 deg. 28 min. W. elevation: 470m. remarks: Sown March-April, harvested August-September. Fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 512905 donor id: A-L-8. origin: Spain. collected: July 17, 1984. collector id: A-L-8. locality: Property reserve, 2km N of Quicena, Huesca Province. latitude: 42 deg. 10 min. N. longitude: 00 deg. 28 min. W. elevation: 470m. remarks: Sown March-April, harvested August-September. Fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 512906 donor id: A-L-9. origin: Spain. collected: July 17, 1984. collector id: A-L-9. locality: Property reserve, 2km N of Quicena, Huesca Province. latitude: 42 deg. 10 min. N. longitude: 00 deg. 28 min. W. elevation: 470m. remarks: Sown March-April, harvested August-September. Fresh consumption. Annual. Primitive Cultivar. Seed.

PI 512899 to 513135-continued

- PI 512907 donor id: A-L-10. origin: Spain. collected: July 17, 1984. collector id: A-L-10. locality: Property reserve, 2km N of Quicena, Huesca Province. latitude: 42 deg. 10 min. N. longitude: 00 deg. 28 min. W. elevation: 470m. remarks: Sown March-April, harvested August-September. Fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 512908 donor id: A-L-11. origin: Spain. collected: July 17, 1984. collector id: A-L-11. locality: Property reserve, 2km N of Quicena, Huesca Province. latitude: 42 deg. 10 min. N. longitude: 00 deg. 28 min. W. elevation: 470m. remarks: Sown March-April, harvested August-September. Fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 512909 donor id: A-L-12. origin: Spain. collector id: A-L-13. locality: Property reserve, Fraga, Huesca Province. latitude: 41 deg. 30 min. N. longitude: 00 deg. 25 min. E. elevation: 118m. remarks: Sown in March, harvested in September. Used fried. Annual. Primitive Cultivar. Seed.
- PI 512910 donor id: A-L-13. origin: Spain. collected: July 17, 1984. collector id: A-L-12. locality: Property reserve, 2km N of Quicena, Huesca Province. latitude: 42 deg. 10 min. N. longitude: 00 deg. 28 min. W. elevation: 470m. remarks: Sown March-April, harvested August-September. Fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 512911 donor id: A-L-14. origin: Spain. collected: August 12, 1984. collector id: A-L-14. locality: Property reserve, 1 km from Magallon, Zaragoza Province. latitude: 41 deg. 50 min. N. longitude: 01 deg. 30 min. W. elevation: 350m. remarks: Sown March-April, harvested August. Fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 512912 donor id: A-L-15. origin: Spain. collected: August 12, 1984. collector id: A-L-15. locality: Property reserve, 1 km from Magallon, Zaragoza Province. latitude: 41 deg. 50 min. N. longitude: 01 deg. 30 min. W. elevation: 350m. remarks: Sown March-April, harvested August. Fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 512913 donor id: A-L-17. origin: Spain. collected: August 29, 1984. collector id: A-L-17. locality: Property reserve, 1 km W of Bureta, Zaragoza Province. latitude: 41 deg. 50 min. N. longitude: 01 deg. 30 min. W. elevation: 400m. remarks: Sown March, harvested August-September. Fresh consumption. Annual. Primitive Cultivar. Seed.

PI 512899 to 513135-continued

- PI 512914 donor id: A-L-18. origin: Spain. collected: December 8, 1984. collector id: A-L-18. locality: Mora de Rubielos, Teruel Province. latitude: 40 deg. 15 min. N. longitude: 00 deg. 45 min. W. elevation: 1035m. remarks: Fresh consumption. Medium size tomatoes. Annual. Primitive Cultivar. Seed.
- PI 512915 donor id: AN-L-1. origin: Spain. collected: July 26, 1984. collector id: AN-L-1. locality: Property reserve, 1 km from Castro del Rio, Cordoba Province. latitude: 37 deg. 45 min. N. longitude: 04 deg. 30 min. W. remarks: Sown April, harvested August. Fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 512916 donor id: AN-L-4. origin: Spain. collected: July 26, 1984. collector id: AN-L-4. locality: Property reserve, 1 km from Castro del Rio, Cordoba Province. latitude: 37 deg. 45 min. N. longitude: 04 deg. 30 min. W. remarks: Sown April, harvested August. Fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 512917 donor id: AN-L-5. origin: Spain. collected: October 11, 1984. collector id: AN-L-5. locality: Property reserve, 1 km from Purchil, Granada Province. latitude: 37 deg. 10 min. N. longitude: 03 deg. 40 min. W. elevation: 600m. remarks: Sown April-May, harvested August-October. Fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 512918 donor id: AN-L-7. origin: Spain. collected: October 10, 1984. collector id: AN-L-7. locality: Property reserve, 2 km from Portugos, Granada Province. latitude: 37 deg. 53 min. N. longitude: 03 deg. 17 min. W. elevation: 1303m. remarks: Sown May, harvested September-October. Fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 512919 donor id: AN-L-8. origin: Spain. collected: October 10, 1984. collector id: AN-L-8. locality: Property reserve, 2km S of Mecina Bombaron, Granada Province. latitude: 37 deg. 00 min. N. longitude: 03 deg. 10 min. W. elevation: 1050m. remarks: Sown May, harvested September-October. Fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 512920 donor id: AN-L-9. origin: Spain. collected: October 10, 1984. collector id: AN-L-9. locality: Property reserve, 0.5km from Mecina Bombaron, Granada Province. latitude: 37 deg. 00 min. N. longitude: 03 deg. 10 min. W. elevation: 1050m. remarks: Sown May, harvested September-October. Fresh consumption. Annual. Primitive Cultivar. Seed.

PI 512899 to 513135-continued

- PI 512921 donor id: AN-L-10. origin: Spain. collected: October 9, 1984. collector id: AN-L-10. locality: Property reserve, 1 km from Ugijar, Granada Province. latitude: 36 deg. 55 min. N. longitude: 03 deg. 03 min. W. elevation: 900m. remarks: Sown May, harvested September-October. Fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 512922 donor id: AN-L-11. origin: Spain. collected: October 9, 1984. collector id: AN-L-11. locality: Property reserve, 1 km from Ugijar, Granada Province. latitude: 36 deg. 55 min. N. longitude: 03 deg. 03 min. W. elevation: 900m. remarks: Sown May, harvested September-October. Fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 512923 donor id: AN-L-12. origin: Spain. collected: October 9, 1984. collector id: AN-L-12. locality: Property reserve, 3km SW of Ugijar, Granada Province. latitude: 36 deg. 55 min. N. longitude: 03 deg. 03 min. W. elevation: 900m. remarks: Sown May, harvested September-October. Fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 512924 donor id: AN-L-13. origin: Spain. collected: October 9, 1984. collector id: AN-L-13. locality: Property reserve, 1 km from Picena, Granada Province. latitude: 37 deg. 00 min. N. longitude: 03 deg. 00 min. W. elevation: 850m. remarks: Sown May, harvested September-October. Fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 512925 donor id: AN-L-15. origin: Spain. collected: October 10, 1984. collector id: AN-L-15. locality: Property reserve, from Jimera de Libar, Malaga Province. latitude: 36 deg. 35 min. N. longitude: 05 deg. 15 min. W. elevation: 539m. remarks: Sown April-May, harvested September-October. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 512926 donor id: AN-L-16. origin: Spain. collected: October 10, 1984. collector id: AN-L-16. locality: Property reserve, from Jimera de Libar, Malaga Province. latitude: 36 deg. 35 min. N. longitude: 05 deg. 15 min. W. elevation: 539m. remarks: Sown April-May, harvested September-October. Used for salads. Annual. Primitive Cultivar. Seed.

PI 512899 to 513135-continued

- PI 512927 donor id: AN-L-17. origin: Spain. collected: October 9, 1984. collector id: AN-L-17. locality: Property reserve, from Beraojan, Malaga Province. latitude: 36 deg. 40 min. N. longitude: 05 deg. 15 min. W. elevation: 565m. remarks: Sown April, harvested August-September. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 512928 donor id: AN-L-18. origin: Spain. collected: October 9, 1984. collector id: AN-L-18. locality: Property reserve, from Ronda, Malaga Province. latitude: 36 deg. 55 min. N. longitude: 05 deg. 09 min. W. elevation: 723m. remarks: Sown April, harvested August. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 512929 donor id: AN-L-19. origin: Spain. collected: October 9, 1984. collector id: AN-L-19. locality: Property reserve, from Ronda, Malaga Province. latitude: 36 deg. 55 min. N. longitude: 05 deg. 09 min. W. elevation: 723m. remarks: Sown April, harvested August. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 512930 donor id: AN-L-20. origin: Spain. collected: October 9, 1984. collector id: AN-L-20. locality: Property reserve, from Igualeja, Malaga Province. latitude: 36 deg. 55 min. N. longitude: 05 deg. 09 min. W. elevation: 693m. remarks: Sown April, harvested August-September. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 512931 donor id: AN-L-22. origin: Spain. collected: October 9, 1984. collector id: AN-L-22. locality: Property reserve, from Igualeja, Malaga Province. latitude: 36 deg. 55 min. N. longitude: 05 deg. 09 min. W. elevation: 693m. remarks: Sown April, harvested August-September. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 512932 donor id: AN-L-23. origin: Spain. collected: October 9, 1984. collector id: AN-L-23. locality: Property reserve, from Igualeja, Malaga Province. latitude: 36 deg. 55 min. N. longitude: 05 deg. 07 min. W. elevation: 693m. remarks: Sown April, harvested August-September. Used for salads. Annual. Primitive Cultivar. Seed.

PI 512899 to 513135-continued

- PI 512933 donor id: AN-L-24. origin: Spain. collected: September 28, 1984. collector id: AN-L-24. locality: Property reserve, 2km from Competa, Malaga Province. latitude: 36 deg. 45 min. N. longitude: 03 deg. 58 min. W. elevation: 300m. remarks: Sown Januray, harvested June. Used fresh and fried. Annual. Primitive Cultivar. Seed.
- PI 512934 donor id: AN-L-25. origin: Spain. collected: September 28, 1984. collector id: AN-L-25. locality: Property reserve, 2km from Competa, Malaga Province. latitude: 36 deg. 45 min. N. longitude: 03 deg. 58 min. W. elevation: 300m. remarks: Sown Januray, harvested June. Used fresh and fried. Annual. Primitive Cultivar. Seed.
- PI 512935 donor id: AN-L-27. origin: Spain. collected: December 22, 1984. collector id: AN-L-27. locality: Property reserve, 2km from Competa, Malaga Province. latitude: 36 deg. 45 min. N. longitude: 03 deg. 58 min. W. elevation: 300m. remarks: Sown June-July, harvested October-November. Annual. Primitive Cultivar. Seed.
- PI 512936 donor id: AN-L-28. origin: Spain. collected: October 11, 1984. collector id: AN-L-28. locality: Property reserve between Algeciras and El Rinconcilio, Cadiz Province. latitude: 36 deg. 08 min. N. longitude: 05 deg. 27 min. W. elevation: 17m. remarks: Sown February-March, harvested June-July. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 512937 donor id: AN-L-29. origin: Spain. collected: October 11, 1984. collector id: AN-L-29. locality: Property reserve between Algeciras and El Rinconcilio, Cadiz Province. latitude: 36 deg. 08 min. N. longitude: 05 deg. 27 min. W. elevation: 17m. remarks: Sown February-March, harvested June-July. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 512938 donor id: AN-L-30. origin: Spain. collected: October 11, 1984. collector id: AN-L-30. locality: Property reserve between Algeciras and El Rinconcilio, Cadiz Province. latitude: 36 deg. 08 min. N. longitude: 05 deg. 27 min. W. elevation: 17m. remarks: Sown February-March, harvested June-July. Used for salads. Annual. Primitive Cultivar. Seed.

PI 512899 to 513135-continued

- PI 512939 donor id: AN-L-31. origin: Spain. collected: October 11, 1984. collector id: AN-L-31. locality: Property reserve between Los Borrios and Benhara's, Cadiz Province. latitude: 36 deg. 10 min. N. longitude: 05 deg. 30 min. W. elevation: 23m. remarks: Sown April, harvested July-August. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 512940 donor id: AN-L-33. origin: Spain. collected: October 7, 1984. collector id: AN-L-33. locality: Property reserve between Beraocaz and Valle del Tavizna, Cadiz Province. latitude: 36 deg. 40 min. N. longitude: 05 deg. 26 min. W. elevation: 793m. remarks: Sown April-May, harvested September-October. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 512941 donor id: AN-L-34. origin: Spain. collected: October 7, 1984. collector id: AN-L-34. locality: Property reserve between Beraocaz and Valle del Tavizna, Cadiz Province. latitude: 36 deg. 40 min. N. longitude: 05 deg. 26 min. W. elevation: 793m. remarks: Sown April, harvested July-August. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 512942 donor id: AN-L-35. origin: Spain. collected: October 7, 1984. collector id: AN-L-35. locality: Property reserve between Berecaz and Valle del Tavizna, Cadiz Province. latitude: 36 deg. 40 min. N. longitude: 05 deg. 26 min. W. elevation: 793m. remarks: Sown April, harvested May. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 512943 donor id: AN-L-36. origin: Spain. collected: October 7, 1984. collector id: AN-L-36. locality: Property reserve toward Grazalema, Cadiz Province. latitude: 36 deg. 45 min. N. longitude: 05 deg. 25 min. W. elevation: 823m. remarks: Sown April-May, harvested September-October. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 512944 donor id: AN-L-37. origin: Spain. collected: August 9, 1984. collector id: AN-L-37. locality: Property reserve, Tarifa, Cadiz Province. latitude: 36 deg. 02 min. N. longitude: 05 deg. 25 min. W. elevation: 7m. remarks: Sown March, harvested July-August. Annual. Primitive Cultivar. Seed.
- PI 512945 donor id: AN-L-38. origin: Spain. collected: August 9, 1984. collector id: AN-L-38. locality: Property reserve, Tarifa, Cadiz Province. latitude: 36 deg. 02 min. N. longitude: 05 deg. 25 min. W. elevation: 7m. remarks: Sown in March, harvested in July-August. Annual. Primitive Cultivar. Seed.

PI 512899 to 513135-continued

- PI 512946 donor id: AN-L-39. origin: Spain. collected: August 9, 1984. collector id: AN-L-39. locality: Property reserve, Tarifa, Cadiz Province. latitude: 36 deg. 02 min. N. longitude: 05 deg. 25 min. W. elevation: 7m. remarks: Sown March, harvested July-August. Annual. Primitive Cultivar. Seed.
- PI 512947 donor id: AN-L-40. origin: Spain. collected: August 9, 1984. collector id: AN-L-40. locality: Property reserve, Tarifa, Cadiz Province. latitude: 36 deg. 02 min. N. longitude: 05 deg. 25 min. W. elevation: 7m. Annual. Wild. Seed.
- PI 512948 donor id: AN-L-41. origin: Spain. collected: August 9, 1984. collector id: AN-L-41. locality: Property reserve, Tarifa, Cadiz Province. latitude: 36 deg. 02 min. N. longitude: 05 deg. 25 min. W. elevation: 7m. remarks: Sown March, harvested July-August. Annual. Primitive Cultivar. Seed.
- PI 512949 donor id: AN-L-42. origin: Spain. collected: August 8, 1984. collector id: AN-L-42. locality: Property reserve, Nejob de Catra, Cadiz Province. latitude: 36 deg. 15 min. N. longitude: 05 deg. 56 min. W. elevation: 190m. Annual. Primitive Cultivar. Seed.
- PI 512950 donor id: AN-L-43. origin: Spain. collected: August 6, 1984. collector id: AN-L-43. locality: Property reserve, Rota, Cadiz Province. latitude: 36 deg. 37 min. N. longitude: 06 deg. 16 min. W. elevation: 9m. remarks: Sown May, harvested August-September. Annual. Primitive Cultivar. Seed.
- PI 512951 donor id: AN-L-45. origin: Spain. collector id: AN-L-45. locality: Property reserve, Dalias, Almeria Province. latitude: 36 deg. 50 min. N. longitude: 02 deg. 55 min. W. elevation: 411m. remarks: Sown January-July, harvested May-February. Used fresh and fried. Annual. Primitive Cultivar. Seed.
- PI 512952 donor id: AN-L-46. origin: Spain. collected: October 01, 1984. collector id: AN-L-46. locality: Property reserve, Velez, Malaga Province. latitude: 36 deg. 45 min. N. longitude: 04 deg. 05 min. W. elevation: 60m. remarks: Sown January-July, harvested May-February. Used fresh and fried. Annual. Primitive Cultivar. Seed.

PI 512899 to 513135-continued

- PI 512953 donor id: AN-L-47. origin: Spain. collected: October 01, 1984. collector id: AN-L-47. locality: Property reserve, Torrox, Malaga Province. latitude: 36 deg. 45 min. N. longitude: 03 deg. 55 min. W. elevation: 80m. remarks: Sown January-July, harvested May-February. Used fresh and fried. Annual. Primitive Cultivar. Seed.
- PI 512954 donor id: AN-L-48. origin: Spain. collected: October 01, 1984. collector id: AN-L-48. locality: Property reserve, Algarrobo, Malaga Province. latitude: 36 deg. 45 min. N. longitude: 04 deg. 05 min. W. elevation: 50m. remarks: Sown January-July, harvested May-February. Used fresh and fried. Annual. Primitive Cultivar. Seed.
- PI 512955 donor id: AN-L-49. origin: Spain. collected: October 01, 1984. collector id: AN-L-49. latitude: 36 deg. 15 min. N. longitude: 05 deg. 56 min. W. elevation: 190m. Annual. Primitive Cultivar. Seed.
- PI 512956 donor id: AS-L-1. origin: Spain. collected: August 20, 1984. collector id: AS-L-1. locality: Property reserve, Arriondas, Asturias Province. latitude: 43 deg. 23 min. N. longitude: 05 deg. 12 min. W. elevation: 39m. remarks: Sown February, harvested August-September. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 512957 donor id: AS-L-2. origin: Spain. collected: August 21, 1984. collector id: AS-L-2. locality: Market place, Infiesto, Asturias Province. latitude: 43 deg. 21 min. N. longitude: 05 deg. 24 min. W. elevation: 152m. remarks: Sown March, harvested August-September. Used for cooking and salads. Annual. Primitive Cultivar. Seed.
- PI 512958 donor id: AS-L-3. origin: Spain. collected: August 21, 1984. collector id: AS-L-3. locality: Property reserve, Villa Nicosia, Asturias Province. latitude: 43 deg. 30 min. N. longitude: 05 deg. 28 min. W. elevation: 4m. remarks: Sown February, harvested August-September. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 512959 donor id: AS-L-4. origin: Spain. collected: August 22, 1984. collector id: AS-L-4. locality: Property reserve, Soto del Barco, Asturias Province. latitude: 43 deg. 35 min. N. longitude: 06 deg. 10 min. W. elevation: 20m. remarks: Sown February-March, harvested August-September. Used for salads. Annual. Primitive Cultivar. Seed.

PI 512899 to 513135-continued

- PI 512960 donor id: AS-L-5. origin: Spain. collected: August 23, 1984. collector id: AS-L-5. locality: Market place, Calzada, Asturias Province. latitude: 43 deg. 31 min. N. longitude: 06 deg. 13 min. W. elevation: 322m. remarks: Sown March, harvested August-September. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 512961 donor id: AS-L-6. origin: Spain. collected: August 22, 1984. collector id: AS-L-6. locality: Market place, Quinzannas, Asturias Province. latitude: 43 deg. 31 min. N. longitude: 06 deg. 12 min. W. elevation: 15m. remarks: Sown March, harvested August-September. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 512962 donor id: C-L-1. origin: Spain. collected: July 18, 1984. collector id: C-L-1. locality: Property reserve and farmland, Amposta, Tarragona Province. latitude: 40 deg. 40 min. N. longitude: 00 deg. 35 min. E. elevation: 8m. remarks: Sown February-April, harvested the first of August. Mildew disease. Self consumption. Annual. Cultivar. Seed.
- PI 512963 donor id: C-L-2. origin: Spain. collected: July 18, 1984. collector id: C-L-2. locality: Property reserve and farmland, Amposta, Tarragona Province. latitude: 40 deg. 40 min. N. longitude: 00 deg. 35 min. E. elevation: 8m. remarks: Sown February-April, harvested the first of August. Self-consumption. Disease resistance. Annual. Cultivar. Seed.
- PI 512964 donor id: C-L-3. origin: Spain. collected: July 18, 1984. collector id: C-L-3. locality: Farmland, Amposta, Tarragona Province. latitude: 40 deg. 40 min. N. longitude: 00 deg. 35 min. E. elevation: 10m. remarks: Sown February-April, harvested July-August first. Self-consumption. Annual. Cultivar. Seed.
- PI 512965 donor id: C-L-4. origin: Spain. collected: July 18, 1984. collector id: C-L-4. locality: Property reserve and farmland, Tortosa, Tarragona Province. latitude: 40 deg. 48 min. N. longitude: 00 deg. 31 min. E. elevation: 12m. remarks: Sown February-April, harvested July-August first. Self-consumption. Disease resistance. Annual. Cultivar. Seed.
- PI 512966 donor id: C-L-5. origin: Spain. collected: July 18, 1984. collector id: C-L-5. locality: Property reserve and farmland, Tortosa, Tarragona Province. latitude: 40 deg. 48 min. N. longitude: 00 deg. 31 min. E. elevation: 12m. remarks: Sown January-March, harvested June. Common diseases. Annual. Cultivar. Seed.

PI 512899 to 513135-continued

- PI 512967 donor id: C-L-6. origin: Spain. collector id: C-L-6. locality: Property reserve, Bitem, Tarragona Province. latitude: 40 deg. 50 min. N. longitude: 00 deg. 30 min. E. elevation: 14m. remarks: Sown January-March, harvested June. Disease resistance. Annual. Cultivar. Seed.
- PI 512968 donor id: C-L-7. origin: Spain. collected: July 20, 1984. collector id: C-L-7. locality: Property reserve, Miravet, Tarragona Province. latitude: 41 deg. 03 min. N. longitude: 00 deg. 35 min. E. elevation: 125m. remarks: Sown February-April, harvested July and August. Self-consumption. Annual. Cultivar. Seed.
- PI 512969 donor id: C-L-8. origin: Spain. collected: July 19, 1984. collector id: C-L-8. locality: Farmland, 2km S of Mata de Pera, Barcelona Province. latitude: 41 deg. 08 min. N. longitude: 02 deg. 00 min. E. elevation: 423m. remarks: Sown February, harvested July-August. Used for conservation. Mildew disease. Annual. Primitive Cultivar. Seed.
- PI 512970 donor id: C-L-9. origin: Spain. collected: July 19, 1984. collector id: C-L-9. locality: Farmland, 2km S of Mata de Pera, Barcelona Province. latitude: 41 deg. 08 min. N. longitude: 00 deg. 02 min. E. elevation: 423m. remarks: Sown February, harvested July-August. Used for conservation. Mildew disease. Annual. Primitive Cultivar. Seed.
- PI 512971 donor id: C-L-10. origin: Spain. collected: July 20, 1984. collector id: C-L-10. locality: Property reserve, Miravet, Tarragona Province. latitude: 41 deg. 03 min. N. longitude: 00 deg. 35 min. E. elevation: 125m. remarks: Sown February-April, harvested July-August. Mildew disease. Self consumption and local markets. Annual. Cultivar. Seed.
- PI 512972 donor id: C-L-11. origin: Spain. collected: July 20, 1984. collector id: C-L-11. locality: Property reserve, Miravet, Tarragona Province. latitude: 41 deg. 03 min. N. longitude: 00 deg. 35 min. E. elevation: 125m. remarks: Sown February-April, harvested July-August. Mildew disease. Self consumption and local markets. Annual. Cultivar. Seed.

PI 512899 to 513135-continued

- PI 512973 donor id: C-L-12. origin: Spain. collected: July 19, 1984. collector id: C-L-12. locality: Property reserve, Bitem, Tarragona Province. latitude: 40 deg. 50 min. N. longitude: 00 deg. 30 min. E. elevation: 14m. remarks: Sown February-April, harvested July-August. Self-consumption and local markets. Annual. Cultivar. Seed.
- PI 512974 donor id: C-L-13. origin: Spain. collected: July 19, 1984. collector id: C-L-13. locality: Property reserve, Bitem, Tarragona Province. latitude: 40 deg. 50 min. N. longitude: 00 deg. 30 min. E. elevation: 14m. remarks: Sown January-March, harvested June. Self-consumption. and local markets. Disease resistance. Annual. Cultivar. Seed.
- PI 512975 donor id: C-L-14. origin: Spain. collected: July 19, 1984. collector id: C-L-14. locality: Property reserve, Amposta, Tarragona Province. latitude: 40 deg. 50 min. N. longitude: 00 deg. 35 min. E. elevation: 8m. remarks: Sown February-April, harvested July-August. Self-consumption and local markets. Annual. Cultivar. Seed.
- PI 512976 donor id: C-L-15. origin: Spain. collected: July 20, 1984. collector id: C-L-15. locality: Property reserve, Jesus, Tarragona Province. latitude: 40 deg. 80 min. N. longitude: 00 deg. 31 min. E. elevation: 12m. remarks: Sown February, harvested July-August. Self-consumption and local markets. Annual. Cultivar. Seed.
- PI 512977 donor id: C-L-16. origin: Spain. collected: July 19, 1984. collector id: C-L-16. locality: Property reserve, Bitem, Tarragona Province. latitude: 40 deg. 50 min. N. longitude: 00 deg. 30 min. E. elevation: 14m. remarks: Sown January-March, harvested July. Self-consumption. and local markets. Annual. Cultivar. Seed.
- PI 512978 donor id: C-L-17. origin: Spain. collected: July 19, 1984. collector id: C-L-17. locality: Property reserve, Tivenys, Tarragona Province. latitude: 40 deg. 53 min. N. longitude: 00 deg. 31 min. E. elevation: 40m. remarks: Sown January-March, harvested July. Self-consumption. and local markets. Annual. Cultivar. Seed.

PI 512899 to 513135-continued

- PI 512979 donor id: C-L-18. origin: Spain. collected: August 3, 1984. collector id: C-L-18. locality: Property reserve, 2km from Falset, Tarragona Province. latitude: 40 deg. 10 min. N. longitude: 00 deg. 48 min. E. elevation: 364m. remarks: Sown January, harvested July. Self-consumption. and local markets. Annual. Cultivar. Seed.
- PI 512980 donor id: C-L-19. origin: Spain. collected: August 3, 1984. collector id: C-L-19. locality: Property reserve, 3km from Garcia, Tarragona Province. latitude: 41 deg. 8 min. N. longitude: 00 deg. 36 min. E. elevation: 73m. remarks: Sown January-March, harvested July. Self-consumption. and local markets. Annual. Cultivar. Seed.
- PI 512981 donor id: C-L-20. origin: Spain. collected: August 3, 1984. collector id: C-L-20. locality: Property reserve, 3km from Garcia, Tarragona Province. latitude: 41 deg. 08 min. N. longitude: 00 deg. 36 min. E. elevation: 73m. remarks: Sown January-March, harvested July. Self-consumption. and local markets. Annual. Cultivar. Seed.
- PI 512982 donor id: C-L-21. origin: Spain. collected: August 3, 1984. collector id: C-L-21. locality: Property reserve, Gratallops, Tarragona Province. latitude: 41 deg. 12 min. N. longitude: 00 deg. 48 min. E. elevation: 300m. remarks: Sown January-March, harvested July. Self-consumption. and local markets. Annual. Cultivar. Seed.
- PI 512983 donor id: C-L-22. origin: Spain. collected: August 3, 1984. collector id: C-L-22. locality: Property reserve, Gratallops, Tarragona Province. latitude: 41 deg. 12 min. N. longitude: 00 deg. 48 min. E. elevation: 300m. remarks: Sown January-March, harvested July. Self-consumption and local markets. Annual. Cultivar. Seed.
- PI 512984 donor id: C-L-23. origin: Spain. collected: August 3, 1984. collector id: C-L-23. locality: Property reserve, Gratallops, Tarragona Province. latitude: 41 deg. 12 min. N. longitude: 00 deg. 48 min. E. elevation: 300m. remarks: Sown January-March, harvested July. Self-consumption and local markets. Annual. Cultivar. Seed.

PI 512899 to 513135-continued

- PI 512985 donor id: C-L-24. origin: Spain. collected: August 3, 1984. collector id: C-L-24. locality: Property reserve, Lloa, Tarragona Province. latitude: 41 deg. 11 min. N. longitude: 00 deg. 45 min. E. elevation: 219m. remarks: Sown in January-March, harvested in July-August first. Used for conservation. Mildew disease. Annual. Cultivar. Seed.
- PI 512986 donor id: C-L-25. origin: Spain. collected: August 3, 1984. collector id: C-L-25. locality: Property reserve, Lloa, Tarragona Province. latitude: 41 deg. 11 min. N. longitude: 00 deg. 45 min. E. elevation: 219m. remarks: Sown February-April, harvested August. Self-consumption, Mildew disease. Annual. Cultivar. Seed.
- PI 512987 donor id: C-L-26. origin: Spain. collector id: C-L-26. locality: Property reserve, Lerida, Lerida Province. latitude: 41 deg. 35 min. N. longitude: 00 deg. 40 min. E. elevation: 155m. remarks: Sown February-March, harvested August-September. Used fried or dried. Annual. Primitive Cultivar. Seed.
- PI 512988 donor id: C-L-27. origin: Spain. collected: August 3, 1984. collector id: C-L-27. locality: Property reserve, Lerida, Lerida Province. latitude: 41 deg. 35 min. N. longitude: 00 deg. 40 min. E. elevation: 155m. remarks: Sown February-March, harvested August-September. Used fried or dried. Annual. Primitive Cultivar. Seed.
- PI 512989 donor id: CL-L-1. origin: Spain. collector id: CL-L-1. latitude: 41 deg. 10 min. N. longitude: 05 deg. 00 min. W. elevation: 808m.
- PI 512990 donor id: CM-L-1. origin: Spain. collected: October 9, 1984. collector id: CM-L-1. locality: Farmland, Retamoso de la Jara, Toledo Province. latitude: 39 deg. 43 min. N. longitude: 04 deg. 46 min. W. elevation: 608m. remarks: Sown February-March, harvested July-August. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 512991 donor id: CM-L-2. origin: Spain. collected: October 9, 1984. collector id: CM-L-2. locality: Farmland, Retamoso de la Jara, Toledo Province. latitude: 39 deg. 43 min. N. longitude: 04 deg. 46 min. W. elevation: 608m. remarks: Sown February-March, harvested July-August. Used for salads. Annual. Primitive Cultivar. Seed.

PI 512899 to 513135-continued

- PI 512992 donor id: CM-L-3. origin: Spain. collector id: CM-L-3. locality: Property reserve, Aranjuez, Madrid Province. latitude: 40 deg. 05 min. N. longitude: 03 deg. 35 min. W. elevation: 489m. remarks: Sown March, harvested September. Used fried and dried. Annual. Primitive Cultivar. Seed.
- PI 512993 donor id: CM-L-4. origin: Spain. collected: October 9, 1984. collector id: CM-L-4. locality: Property reserve, Ciudad Real, Ciudad Real Province. latitude: 39 deg. 00 min. N. longitude: 03 deg. 55 min. W. elevation: 635m. remarks: Sown March, harvested August-September. Used fried and dried. Annual. Primitive Cultivar. Seed.
- PI 512994 donor id: CM-L-5. origin: Spain. collected: October 9, 1984. collector id: CM-L-5. locality: Property reserve, Ciudad Real, Ciudad Real Province. latitude: 39 deg. 00 min. N. longitude: 03 deg. 55 min. W. elevation: 635m. remarks: Sown March, harvested August-September. Used fried and dried. Annual. Primitive Cultivar. Seed.
- PI 512995 donor id: CM-L-6. origin: Spain. collected: September 18, 1984. collector id: CM-L-6. locality: Property reserve from Buendia to Maria la Pastranera, Cuenca Province. latitude: 40 deg. 20 min. N. longitude: 02 deg. 40 min. W. elevation: 771m. remarks: Sown February, harvested July. Fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 512996 donor id: CM-L-7. origin: Spain. collected: September 22, 1984. collector id: CM-L-7. locality: Farmland, Belvis de la Jara, Toledo Province. latitude: 39 deg. 50 min. N. longitude: 05 deg. 00 min. W. elevation: 450m. remarks: Sown May, harvested August. Fresh consumption. Commercial seeds, but cultivated in that region for more than 15 years. Annual. Primitive Cultivar. Seed.
- PI 512997 donor id: E-L-2. origin: Spain. collected: August 23, 1984. collector id: E-L-2. locality: Farmland, 3km from Hervas, Caceres Province. latitude: 40 deg. 04 min. N. longitude: 06 deg. 00 min. W. elevation: 700m. remarks: Sown February, harvested August. Used for fresh consumption and conservation. Annual. Primitive Cultivar. Seed.
- PI 512998 donor id: E-L-3. origin: Spain. collected: August 23, 1984. collector id: E-L-3. locality: Farmland, 3km from Hervas, Caceres Province. latitude: 40 deg. 04 min. N. longitude: 06 deg. 00 min. W. elevation: 700m. remarks: Sown February, harvested August. Used for fresh consumption and conservation. Annual. Primitive Cultivar. Seed.

PI 512899 to 513135-continued

- PI 512999 donor id: E-L-4. origin: Spain. collected: August 22, 1984. collector id: E-L-4. locality: Property reserve, 3km from Hoyos, Caceres Province. latitude: 40 deg. 02 min. N. longitude: 06 deg. 07 min. W. elevation: 320m. remarks: Sown February, harvested August. Used for fresh consumption and conservation. Annual. Primitive Cultivar. Seed.
- PI 513000 donor id: E-L-5. origin: Spain. collected: August 22, 1984. collector id: E-L-5. locality: Property reserve, 3km from Hoyos, Caceres Province. latitude: 40 deg. 02 min. N. longitude: 06 deg. 07 min. W. elevation: 320m. remarks: Sown February, harvested August. Mixture of seeds of distinct tomato shapes. Fresh consumption and conservation. Annual. Primitive Cultivar. Seed.
- PI 513001 donor id: E-L-6. origin: Spain. collected: August 22, 1984. collector id: E-L-6. locality: Property reserve, 3km from Hoyos, Caceres Province. latitude: 40 deg. 02 min. N. longitude: 06 deg. 07 min. W. elevation: 320m. remarks: Sown in February, harvested in August. Mixture of seeds of distinct tomato shapes. Fresh consumption and conservation. Annual. Primitive Cultivar. Seed.
- PI 513002 donor id: E-L-7. origin: Spain. collected: August 22, 1984. collector id: E-L-7. locality: Property reserve, 3km from Hoyos, Caceres Provinces. latitude: 40 deg. 02 min. N. longitude: 06 deg. 07 min. W. elevation: 320m. remarks: Sown February, harvested September. Fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 513003 donor id: E-L-8. origin: Spain. collected: August 21, 1984. collector id: E-L-8. locality: Property reserve, 2km from Azabal, Caceres Province. latitude: 40 deg. 04 min. N. longitude: 06 deg. 04 min. W. elevation: 550m. remarks: Sown March, harvested August. Used fried and fresh. Annual. Primitive Cultivar. Seed.
- PI 513004 donor id: E-L-9. origin: Spain. collected: August 21, 1984. collector id: E-L-9. locality: Property reserve, 2km from Azabal, Caceres Province. latitude: 40 deg. 04 min. N. longitude: 06 deg. 04 min. W. elevation: 550m. remarks: Sown March, harvested August. Used fried and fresh. Annual. Primitive Cultivar. Seed.
- PI 513005 donor id: E-L-10. origin: Spain. collected: August 21, 1984. collector id: E-L-10. locality: Property reserve, 2km from Azabal, Caceres Province. latitude: 40 deg. 04 min. N. longitude: 06 deg. 04 min. W. elevation: 550m. remarks: Sown March, harvested August. Used fried and fresh. Annual. Primitive Cultivar. Seed.

PI 512899 to 513135-continued

- PI 513006 donor id: E-L-11. origin: Spain. collected: August 21, 1984. collector id: E-L-11. locality: Property reserve, 1 km from Pinofranqueado, Caceres Province. latitude: 40 deg. 04 min. N. longitude: 06 deg. 04 min. W. elevation: 450m. remarks: Sown March, harvested August. Used fried and fresh. Mixed seed of smooth and wrinkled tomatoes. Annual. Primitive Cultivar. Seed.
- PI 513007 donor id: E-L-12. origin: Spain. collected: August 20, 1984. collector id: E-L-12. locality: Property reserve, 3km N of Alagon del Caudiuo, Caceres Province. latitude: 39 deg. 09 min. N. longitude: 06 deg. 02 min. W. elevation: 320m. remarks: Sown April, harvested August. Smooth skin. Used fresh and dry. Annual. Primitive Cultivar. Seed.
- PI 513008 donor id: E-L-13. origin: Spain. collected: August 18, 1984. collector id: E-L-13. locality: Property reserve, 2km from Jaraiz de la Vera, Caceres Province. latitude: 40 deg. 01 min. N. longitude: 05 deg. 06 min. W. elevation: 580m. remarks: Sown April, harvested August. Used fresh and dry. Annual. Primitive Cultivar. Seed.
- PI 513009 donor id: E-L-14. origin: Spain. collected: August 18, 1984. collector id: E-L-14. locality: Local market, 2km Jaraiz de la Vera, Caceres Province. latitude: 40 deg. 01 min. N. longitude: 05 deg. 06 min. W. elevation: 580m. remarks: Sown April, harvested August. Used fresh and dry. Annual. Primitive Cultivar. Seed.
- PI 513010 donor id: E-L-16. origin: Spain. collected: August 16, 1984. collector id: E-L-16. locality: Farmland, 2km S of Navaconcejo, Caceres Province. latitude: 40 deg. 02 min. N. longitude: 05 deg. 08 min. W. elevation: 500m. remarks: Sown April, harvested August. Used fresh and dry. Annual. Primitive Cultivar. Seed.
- PI 513011 donor id: E-L-17. origin: Spain. collected: August 18, 1984. collector id: E-L-17. locality: Local market, 2km Jaraiz de la Vera, Caceres Province. latitude: 40 deg. 01 min. N. longitude: 05 deg. 06 min. W. elevation: 580m. remarks: Sown April, harvested August. Used fresh and dry. Annual. Primitive Cultivar. Seed.
- PI 513012 donor id: E-L-18. origin: Spain. collected: August 18, 1984. collector id: E-L-18. locality: Farmland, 2km N of Valdeinigos, Caceres Province. latitude: 40 deg. 01 min. N. longitude: 05 deg. 06 min. W. elevation: 500m. remarks: Sown April, harvested August. Used fresh and dry. Annual. Primitive Cultivar. Seed.

PI 512899 to 513135-continued

- PI 513013 donor id: E-L-19. origin: Spain. collected: August 23, 1984. collector id: E-L-19. locality: Farmland, 3km from Hervas, Caceres Province. latitude: 40 deg. 04 min. N. longitude: 06 deg. 00 min. W. elevation: 700m. remarks: Sown February, harvested August. Annual. Primitive Cultivar. Seed.
- PI 513014 donor id: E-L-20. origin: Spain. collected: August 15, 1984. collector id: E-L-20. locality: Property reserve, 1 km N of Navaconceso, Caceres Province. latitude: 40 deg. 02 min. N. longitude: 05 deg. 08 min. W. elevation: 500m. remarks: Sown April, harvested August-September. Fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 513015 donor id: E-L-21. origin: Spain. collected: August 23, 1984. collector id: E-L-21. locality: Farmland, 3km from Hervas, Caceres Province. latitude: 40 deg. 04 min. N. longitude: 06 deg. 00 min. W. elevation: 700m. remarks: Sown February, harvested August. Used fried and fresh. Annual. Primitive Cultivar. Seed.
- PI 513016 donor id: S-L-1. origin: Spain. collected: August 14, 1984. collector id: S-L-1. locality: Market place in Munorrodero, Santander Province. latitude: 43 deg. 21 min. N. longitude: 04 deg. 31 min. W. elevation: 50m. remarks: Sown March, harvested August-September. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 513017 donor id: S-L-2. origin: Spain. collected: August 14, 1984. collector id: S-L-2. locality: Market place in San Vicente de la Barquera, Santander Province. latitude: 43 deg. 22 min. N. longitude: 04 deg. 30 min. W. elevation: 15m. remarks: Sown March, harvested August-September. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 513018 donor id: S-L-3. origin: Spain. collected: August 14, 1984. collector id: S-L-3. locality: Market place in San Vicente de la Barquera, Santander Province. latitude: 43 deg. 22 min. N. longitude: 04 deg. 30 min. W. elevation: 15m. remarks: Sown March, harvested August-September. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 513019 donor id: S-L-4. origin: Spain. collected: August 16, 1984. collector id: S-L-4. locality: Property reserve, 0.2km S of Torre la Vega. Santander Province. latitude: 43 deg. 24 min. N. longitude: 04 deg. 04 min. W. elevation: 23m. remarks: Sown March, harvested August-September. Annual. Primitive Cultivar. Seed.

PI 512899 to 513135-continued

- PI 513020 donor id: S-L-5. origin: Spain. collected: August 16, 1984. collector id: S-L-5. locality: Market place, Torrelavega, Santander Province. latitude: 43 deg. 24 min. N. longitude: 04 deg. 04 min. W. elevation: 23m. remarks: Sown March, harvested August-September. Annual. Primitive Cultivar. Seed.
- PI 513021 donor id: S-L-6. origin: Spain. collected: August 16, 1984. collector id: S-L-6. locality: Farmland, Caranceja, Santander Province. latitude: 43 deg. 22 min. N. longitude: 04 deg. 12 min. W. elevation: 23m. remarks: Sown February-March, harvested August-September. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 513022 donor id: S-L-7. origin: Spain. collected: August 17, 1984. collector id: S-L-7. locality: Property reserve, Caberon de la Sal, Santander Province. latitude: 43 deg. 20 min. N. longitude: 04 deg. 16 min. W. elevation: 128m. remarks: Sown February, harvested August-September. Used for salads and cooking. Annual. Primitive Cultivar. Seed.
- PI 513023 donor id: S-L-8. origin: Spain. collected: August 17, 1984. collector id: S-L-8. locality: Property reserve, Caberon de la Sal, Santander Province. latitude: 43 deg. 20 min. N. longitude: 04 deg. 16 min. W. elevation: 128m. remarks: Sown February, harvested August-September. Used for salads and cooking. Annual. Primitive Cultivar. Seed.
- PI 513024 donor id: S-L-9. origin: Spain. collected: August 17, 1984. collector id: S-L-9. locality: Farmland, Santibanez, Santander Province. latitude: 43 deg. 18 min. N. longitude: 04 deg. 16 min. W. elevation: 128m. remarks: Sown February, harvested August-September. Used for salads and cooking. Annual. Primitive Cultivar. Seed.
- PI 513025 donor id: S-L-10. origin: Spain. collected: August 17, 1984. collector id: S-L-10. locality: Market place in Cabuerniga, Santander Province. latitude: 43 deg. 17 min. N. longitude: 04 deg. 04 min. W. elevation: 260m. Annual. Primitive Cultivar. Seed.
- PI 513026 donor id: V-L-1. origin: Spain. collected: June 15, 1984. collector id: V-L-1. locality: Farmland, Cocentina, Alicante Province. latitude: 38 deg. 45 min. N. longitude: 00 deg. 27 min. W. elevation: 450m. remarks: Sown March, harvested mid July. Annual. Primitive Cultivar. Seed.

PI 512899 to 513135-continued

- PI 513027 donor id: V-L-2. origin: Spain. collected: June 18, 1984. collector id: V-L-2. locality: Farmland, 2km N of Jaraco, Valencia Province. latitude: 39 deg. 02 min. N. longitude: 00 deg. 17 min. W. elevation: 34m. remarks: Sown November, transplanted February, harvested May-July. Fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 513028 donor id: V-L-3. origin: Spain. collected: June 18, 1984. collector id: V-L-3. locality: Lapunta, Valencia Province. latitude: 39 deg. 26 min. N. longitude: 00 deg. 20 min. W. elevation: 13m. remarks: Sown February, transplanted March, harvested June-July. Annual. Primitive Cultivar. Seed.
- PI 513029 donor id: V-L-4. origin: Spain. collected: June 14, 1984. collector id: V-L-4. locality: Institute La Chelva, Valencia Province. latitude: 39 deg. 45 min. N. longitude: 01 deg. 00 min. W. elevation: 800m. remarks: Harvested July-August. Used fried. Annual. Primitive Cultivar. Seed.
- PI 513030 donor id: V-L-5. origin: Spain. collected: June 14, 1984. collector id: V-L-5. locality: Institute La Chelva, Valencia Province. latitude: 39 deg. 45 min. N. longitude: 01 deg. 00 min. W. elevation: 800m. remarks: Harvested July-August. Used fried. Annual. Primitive Cultivar. Seed.
- PI 513031 donor id: V-L-6. origin: Spain. collected: June 14, 1984. collector id: V-L-6. locality: Institute La Chelva, Valencia Province. latitude: 39 deg. 45 min. N. longitude: 01 deg. 00 min. W. elevation: 800m. remarks: Harvested in July-August. Used fried and for salads. Annual. Primitive Cultivar. Seed.
- PI 513032 donor id: V-L-7. origin: Spain. collected: June 14, 1984. collector id: V-L-7. locality: Institute La Chelva, Valencia Province. latitude: 39 deg. 45 min. N. longitude: 01 deg. 00 min. W. elevation: 800m. remarks: Harvested in July-August. Used fried. Annual. Primitive Cultivar. Seed.
- PI 513033 donor id: V-L-8. origin: Spain. collected: June 14, 1984. collector id: V-L-8. locality: Farmland, Venta del Moro, Valencia Province. latitude: 39 deg. 28 min. N. longitude: 01 deg. 20 min. W. elevation: 730m. remarks: Sown February-March, transplanted May-June, harvested July. Fresh consumption. Annual. Primitive Cultivar. Seed.

PI 512899 to 513135-continued

- PI 513034 donor id: V-L-9. origin: Spain. collected: June 14, 1984. collector id: V-L-9. locality: Farmland, Venta del Moro, Valencia Province. latitude: 39 deg. 28 min. N. longitude: 01 deg. 20 min. W. elevation: 730m. remarks: Sown February-March, transplanted May-June, harvested July. Plant tall, Fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 513035 donor id: V-L-10. origin: Spain. collected: June 14, 1984. collector id: V-L-10. locality: Farmland, Venta del Moro, Valencia Province. latitude: 39 deg. 28 min. N. longitude: 01 deg. 20 min. W. elevation: 730m. remarks: Sown February-March, transplanted May-June, harvested July. Fruit large. Fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 513036 donor id: V-L-11. origin: Spain. collected: June 14, 1984. collector id: V-L-11. locality: Farmland, Venta del Moro, Valencia Province. latitude: 39 deg. 28 min. N. longitude: 01 deg. 20 min. W. elevation: 730m. remarks: Sown February-March, transplanted May-June, harvested July. Fruit large. Fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 513037 donor id: V-L-12. origin: Spain. collected: June 15, 1984. collector id: V-L-12. locality: Farmland, Siete Aguas, Valencia Province. latitude: 39 deg. 29 min. N. longitude: 00 deg. 52 min. W. elevation: 700m. remarks: Sown March-May-June, transplanted May-June, harvested July-August. Fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 513038 donor id: V-L-13. origin: Spain. collected: June 15, 1984. collector id: V-L-13. locality: Farmland, Siete Aguas, Valencia Province. latitude: 39 deg. 29 min. N. longitude: 00 deg. 52 min. W. elevation: 700m. remarks: Sown March-May-June, transplanted May-June, harvested July-August. Fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 513039 donor id: V-L-14. origin: Spain. collected: June 15, 1984. collector id: V-L-14. locality: Farmland, Aldaya, Valencia Province. latitude: 39 deg. 28 min. N. longitude: 00 deg. 28 min. W. elevation: 50m. remarks: Sown November, transplanted January, harvested April-May. Fresh consumption. Annual. Primitive Cultivar. Seed.

PI 512899 to 513135-continued

- PI 513040 donor id: V-L-16. origin: Spain. collected: July 20, 1984. collector id: V-L-16. locality: Farmland, 1 km W of Xalo, Alicante Province. latitude: 38 deg. 45 min. N. longitude: 00 deg. 02 min. W. elevation: 225m. remarks: Sown February, harvested July. Local consumption. Annual. Cultivar. Seed.
- PI 513041 donor id: V-L-17. origin: Spain. collected: July 20, 1984. collector id: V-L-17. locality: Farmland, 0.5km S of Lliber, Alicante Province. latitude: 38 deg. 45 min. N. longitude: 00 deg. 00 min. W. elevation: 200m. remarks: Sown February, harvested July-August. Local consumption. Annual. Wild. Seed.
- PI 513042 donor id: V-L-18. origin: Spain. collected: July 19, 1984. collector id: V-L-18. locality: Patio Benisa, Alicante Province. latitude: 38 deg. 42 min. N. longitude: 00 deg. 02 min. W. elevation: 274m. remarks: Sown December, harvested February. Local consumption. Annual. Cultivar. Seed.
- PI 513043 donor id: V-L-19. origin: Spain. collected: July 19, 1984. collector id: V-L-19. locality: Patio Benisa, Alicante Province. latitude: 38 deg. 42 min. N. longitude: 00 deg. 02 min. W. elevation: 274m. remarks: Sown May, harvested September. Local consumption. Annual. Cultivar. Seed.
- PI 513044 donor id: V-L-20. origin: Spain. collected: July 22, 1984. collector id: V-L-20. locality: Farmland, 3km W of Novelda, Alicante Province. latitude: 38 deg. 00 min. N. longitude: 00 deg. 00 min. W. elevation: 300m. remarks: Sown in spring, harvested in summer-fall. Local consumption. Annual. Wild. Seed.
- PI 513045 donor id: V-L-21. origin: Spain. collected: July 21, 1984. collector id: V-L-21. locality: Farmland, 2km SE of Novelda, Alicante Province. latitude: 38 deg. 00 min. N. longitude: 00 deg. 00 min. W. elevation: 270m. remarks: Sown in spring, harvested in summer-fall. Local consumption. Annual. Wild. Seed.
- PI 513046 donor id: V-L-22. origin: Spain. collected: July 22, 1984. collector id: V-L-22. locality: Farmland, 3km W of Novelda, Alicante Province. latitude: 38 deg. 00 min. N. longitude: 00 deg. 00 min. W. elevation: 300m. remarks: Sown in spring, harvested in summer-fall. Local consumption. Annual. Wild. Seed.

PI 512899 to 513135-continued

- PI 513047 donor id: V-L-23. origin: Spain. collected: July 22, 1984. collector id: V-L-23. locality: Farmland, 3km W of Novelda, Alicante Province. latitude: 38 deg. 00 min. N. longitude: 00 deg. 00 min. W. elevation: 290m. remarks: Sown in spring, harvested in summer-fall. Local consumption. Annual. Wild. Seed.
- PI 513048 donor id: V-L-24. origin: Spain. collected: July 22, 1984. collector id: V-L-24. locality: Farmland, 3km W of Novelda, Alicante Province. latitude: 38 deg. 00 min. N. longitude: 00 deg. 00 min. W. elevation: 290m. remarks: Sown in spring, harvested in summer-fall. Local consumption. Annual. Wild. Seed.
- PI 513049 donor id: V-L-25. origin: Spain. collected: July 22, 1984. collector id: V-L-25. locality: Farmland, 3km W of Novelda, Alicante Province. latitude: 38 deg. 00 min. N. longitude: 00 deg. 00 min. W. elevation: 300m. remarks: Sown in spring, harvested in summer-fall. Local consumption. Fruit small. Annual. Wild. Seed.
- PI 513050 donor id: V-L-26. origin: Spain. collected: July 26, 1984. collector id: V-L-26. locality: Farmland, 0.8km S of La Aparecida, Alicante Province. latitude: 38 deg. 04 min. N. longitude: 01 deg. 00 min. W. elevation: 23m. remarks: Sown January, harvested July-August. Local consumption. Annual. Cultivar. Seed.
- PI 513051 donor id: V-L-27. origin: Spain. collected: July 26, 1984. collector id: V-L-27. locality: Farmland, 0.8km S of La Aparecida, Alicante Province. latitude: 38 deg. 04 min. N. longitude: 01 deg. 00 min. W. elevation: 23m. remarks: Sown February, harvested August. Annual. Cultivar. Seed.
- PI 513052 donor id: V-L-28. origin: Spain. collected: July 10, 1984. collector id: V-L-28. locality: Property reserve, 1 km W of Algar, Valencia Province. latitude: 39 deg. 47 min. N. longitude: 00 deg. 22 min. W. elevation: 204m. remarks: Sown February, harvested July-August. Local consumption. Annual. Cultivar. Seed.
- PI 513053 donor id: V-L-29. origin: Spain. collected: July 10, 1984. collector id: V-L-29. locality: Property reserve, 1 km W of Algar, Valencia Province. latitude: 39 deg. 47 min. N. longitude: 00 deg. 22 min. W. elevation: 204m. remarks: Sown February, harvested July-August. Local consumption. Annual. Cultivar. Seed.

PI 512899 to 513135-continued

- PI 513054 donor id: V-L-32. origin: Spain. collected: July 25, 1984. collector id: V-L-32. locality: Farmland, 1.5km W of Alcoleja, Alicante Province. latitude: 38 deg. 40 min. N. longitude: 00 deg. 22 min. W. elevation: 900m. remarks: Sown February, harvested August. Local consumption. Annual. Cultivar. Seed.
- PI 513055 donor id: V-L-33. origin: Spain. collected: July 25, 1984. collector id: V-L-33. locality: Farmland, 1.5km W of Alcoleja, Alicante Province. latitude: 38 deg. 40 min. N. longitude: 00 deg. 23 min. W. elevation: 900m. remarks: Sown March, harvested July. Local consumption. Annual. Cultivar. Seed.
- PI 513056 donor id: V-L-34. origin: Spain. collected: August 02, 1984. collector id: V-L-34. locality: Institute in Vinaroz, Castellon de la Plana Province. latitude: 40 deg. 27 min. N. longitude: 00 deg. 30 min. E. elevation: 23m. remarks: Sown January-April, transplanted, harvested July first. Annual. Cultivar. Seed.
- PI 513057 donor id: V-L-35. origin: Spain. collected: August 02, 1984. collector id: V-L-35. locality: Institute in Vinaroz, Castellon de la Plana Province. latitude: 40 deg. 27 min. N. longitude: 00 deg. 30 min. E. elevation: 23m. remarks: Sown January-April, transplanted, harvested July first. Annual. Cultivar. Seed.
- PI 513058 donor id: V-L-36. origin: Spain. collected: July 18, 1984. collector id: V-L-36. locality: Property reserve, 4km from Pobla de Benifazar, Castellon de la Plana Province. latitude: 40 deg. 40 min. N. longitude: 00 deg. 12 min. W. elevation: 600m. remarks: Sown February, harvested July-August. Self-consumption. Annual. Cultivar. Seed.
- PI 513059 donor id: V-L-37. origin: Spain. collected: August 5, 1984. collector id: V-L-37. locality: Farmland, 1 km E of Novelda, Alicante Province. latitude: 38 deg. 00 min. N. longitude: 00 deg. 00 min. W. elevation: 290m. remarks: Sown in spring, harvested in summer-fall. Local consumption. Annual. Cultivar. Seed.
- PI 513060 donor id: V-L-38. origin: Spain. collected: September 14, 1984. collector id: V-L-38. locality: Farmland, 2km N of Viver, Castellon de la Plana. latitude: 39 deg. 56 min. N. longitude: 00 deg. 35 min. W. elevation: 550m. remarks: Sown February-March-May, transplanted, harvested July-August. Self-consumption. Annual. Cultivar. Seed.

PI 512899 to 513135-continued

- PI 513061 donor id: V-L-39. origin: Spain. collected: August 9, 1984. collector id: V-L-39. locality: Farmland, Viver, Castellon de Plana Province. latitude: 39 deg. 56 min. N. longitude: 00 deg. 35 min. W. elevation: 550m. remarks: Sown February-March-May, transplanted, harvested August. Self-consumption. Annual. Cultivar. Seed.
- PI 513062 donor id: V-L-40. origin: Spain. collected: September 14, 1984. collector id: V-L-40. locality: Farmland, Viver, Castellon de Plana Province. latitude: 39 deg. 56 min. N. longitude: 00 deg. 35 min. W. elevation: 550m. remarks: Sown February-March-May, transplanted, harvested August. Self-consumption. Annual. Cultivar. Seed.
- PI 513063 donor id: V-L-41. origin: Spain. collected: September 14, 1984. collector id: V-L-41. locality: Farmland, 2km from Viver, Castellon de Plana Province. latitude: 39 deg. 56 min. N. longitude: 00 deg. 35 min. W. elevation: 550m. remarks: Sown February-March-May, transplanted, harvested August. self-consumption. Annual. Cultivar. Seed.
- PI 513064 donor id: V-L-42. origin: Spain. collected: September 14, 1984. collector id: V-L-42. locality: Farmland, Viver, Castellon de Plana Province. latitude: 39 deg. 56 min. N. longitude: 00 deg. 35 min. W. elevation: 550m. remarks: Sown February-May, harvested August. Self-consumption. Annual. Cultivar. Seed.
- PI 513065 donor id: V-L-44. origin: Spain. collected: September 14, 1984. collector id: V-L-44. locality: Farmland, Jerica, Castellon de Plana Province. latitude: 39 deg. 54 min. N. longitude: 00 deg. 33 min. W. elevation: 426m. remarks: Sown February-May, harvested August. Self-consumption. Annual. Cultivar. Seed.
- PI 513066 donor id: V-L-46. origin: Spain. collected: September 14, 1984. collector id: V-L-46. locality: Farmland, Jerica, Castellon de Plana Province. latitude: 39 deg. 54 min. N. longitude: 00 deg. 33 min. W. elevation: 426m. remarks: Sown February-May, harvested August. Self-consumption. Annual. Cultivar. Seed.
- PI 513067 donor id: V-L-47. origin: Spain. collected: September 14, 1984. collector id: V-L-47. locality: Farmland, Jerica, Castellon de Plana Province. latitude: 39 deg. 54 min. N. longitude: 00 deg. 33 min. W. elevation: 426m. remarks: Sown February-May, harvested August. Self-consumption. Annual. Cultivar. Seed.

PI 512899 to 513135-continued

- PI 513068 donor id: V-L-48. origin: Spain. collected: July 1984. collector id: V-L-48. locality: Farmland, Villaharchante, Valencia Province. latitude: 39 deg. 35 min. N. longitude: 00 deg. 40 min. W. elevation: 160m. remarks: Sown March-May, transplanted, harvested July-August. Annual. Primitive Cultivar. Seed.
- PI 513069 donor id: V-L-49. origin: Spain. collected: September 14, 1984. collector id: V-L-49. locality: Property reserve, Dicasent, Valencia Province. latitude: 39 deg. 20 min. N. longitude: 00 deg. 28 min. W. elevation: 50m. remarks: Sown March-May, transplanted, harvested July-August. Annual. Cultivar. Seed.
- PI 513070 donor id: V-L-50. origin: Spain. collected: June 1984. collector id: V-L-50. locality: Farmland, Albocacer, Castellon de la Plana Province. latitude: 40 deg. 20 min. N. longitude: 00 deg. 02 min. E. elevation: 550m. remarks: Sown January-March-April, transplanted, harvested July-August. Fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 513071 donor id: V-L-51. origin: Spain. collected: June 1984. collector id: V-L-51. locality: Farmland, Borrioz, Castellon de la Plana Province. latitude: 40 deg. 4 min. N. longitude: 00 deg. 06 min. W. elevation: 200m. remarks: Sown January-March-April, transplanted, harvested July-August. Used for stew. Annual. Primitive Cultivar. Seed.
- PI 513072 donor id: V-L-53. origin: Spain. collected: June 1984. collector id: V-L-53. locality: Farmland, Hostalet de Benasal, Castellon de la Plana Province. latitude: 40 deg. 22 min. N. longitude: 00 deg. 10 min. W. elevation: 820m. remarks: Sown January-March-April, transplanted, harvested July-August. Used for stew. Annual. Primitive Cultivar. Seed.
- PI 513073 donor id: V-L-54. origin: Spain. collected: June 1984. collector id: V-L-54. locality: Farmland, Hostalet de Benasal, Castellon de la Plana Province. latitude: 40 deg. 22 min. N. longitude: 00 deg. 10 min. W. elevation: 820m. remarks: Sown January-March, transplanted April, harvested July-August. Used fresh. Annual. Primitive Cultivar. Seed.

PI 512899 to 513135-continued

- PI 513074 donor id: V-L-55. origin: Spain. collected: June 1984. collector id: V-L-55. locality: Farmland, Hostalet de Benasal, Castellon de la Plana Province. latitude: 40 deg. 22 min. N. longitude: 00 deg. 10 min. W. elevation: 820m. remarks: Sown January-March, transplanted April, harvested July-August. Used for stew. Annual. Primitive Cultivar. Seed.
- PI 513075 donor id: V-L-56. origin: Spain. collected: June 1984. collector id: V-L-56. locality: Farmland, Hostalet de Benasal, Castellon de la Plana Province. latitude: 40 deg. 22 min. N. longitude: 00 deg. 10 min. W. elevation: 820m. remarks: Sown January-March, transplanted April, harvested July-August. Used for stew. Annual. Primitive Cultivar. Seed.
- PI 513076 donor id: V-L-57. origin: Spain. collected: September 21, 1984. collector id: V-L-57. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 01 deg. 16 min. W. elevation: 670m. remarks: Sown March-May, transplanted, harvested August-September. Several colors and different shapes. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 513077 donor id: V-L-58. origin: Spain. collected: September 21, 1984. collector id: V-L-58. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 01 deg. 16 min. W. elevation: 670m. remarks: Sown March-May, transplanted, harvested August-September. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 513078 donor id: V-L-59. origin: Spain. collected: September 21, 1984. collector id: V-L-59. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 01 deg. 16 min. W. elevation: 670m. remarks: Sown March-May, transplanted, harvested August-September. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 513079 donor id: V-L-60. origin: Spain. collected: September 21, 1984. collector id: V-L-60. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 01 deg. 16 min. W. elevation: 670m. remarks: Sown March-May, transplanted, harvested August-September. Used for salads. Annual. Primitive Cultivar. Seed.

PI 512899 to 513135-continued

- PI 513080 donor id: V-L-61. origin: Spain. collected: September 22, 1984. collector id: V-L-61. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 01 deg. 16 min. W. elevation: 670m. remarks: Sown March-May, transplanted, harvested August-September. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 513081 donor id: V-L-62. origin: Spain. collected: September 22, 1984. collector id: V-L-62. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 01 deg. 16 min. W. elevation: 670m. remarks: Sown March-May, transplanted, harvested August-September. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 513082 donor id: V-L-63. origin: Spain. collected: September 22, 1984. collector id: V-L-63. locality: Farmland, Ademuz, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 01 deg. 16 min. W. elevation: 670m. remarks: Sown March-May, transplanted, harvested August-September. Sweet taste. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 513083 donor id: V-L-64. origin: Spain. collector id: V-L-64. locality: Farmland, Casas Altas, Valencia Province. latitude: 40 deg. 02 min. N. longitude: 01 deg. 15 min. W. elevation: 900m. remarks: Sown March-May, transplanted, harvested August-September. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 513084 donor id: V-L-65. origin: Spain. collected: September 22, 1984. collector id: V-L-65. locality: Farmland, Casas Altas, Valencia Province. latitude: 40 deg. 02 min. N. longitude: 01 deg. 15 min. W. elevation: 900m. remarks: Sown March-May, transplanted, harvested August-September. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 513085 donor id: V-L-66. origin: Spain. collected: September 22, 1984. collector id: V-L-66. locality: Farmland, Casas Altas, Valencia Province. latitude: 40 deg. 02 min. N. longitude: 01 deg. 15 min. W. elevation: 900m. remarks: Sown March-May, transplanted, harvested August-September. Used for salads. Annual. Primitive Cultivar. Seed.

PI 512899 to 513135-continued

- PI 513086 donor id: V-L-67. origin: Spain. collected: September 23, 1984. collector id: V-L-67. locality: Farmland, Chulilla, Valencia Province. latitude: 39 deg. 40 min. N. longitude: 00 deg. 52 min. W. elevation: 400m. remarks: Sown February-March, transplanted, harvested August. Local consumption. Annual. Primitive Cultivar. Seed.
- PI 513087 donor id: V-L-68. origin: Spain. collected: September 12, 1984. collector id: V-L-68. locality: Farmland, 1.5km SE of Fontaneres, Valencia Province. latitude: 38 deg. 47 min. N. longitude: 00 deg. 47 min. W. elevation: 600m. remarks: Sown February-May, transplanted, harvested August-September. Fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 513088 donor id: V-L-69. origin: Spain. collected: September 28, 1984. collector id: V-L-69. locality: Farmland, 1.5km SE of Fontaneres, Valencia Province. latitude: 38 deg. 47 min. N. longitude: 00 deg. 47 min. W. elevation: 600m. remarks: Sown February-May, transplanted, harvested August-September. Fresh consumption. Annual. Cultivar. Seed.
- PI 513089 donor id: V-L-70. origin: Spain. collected: September 28, 1984. collector id: V-L-70. locality: Farmland, 1.5km SE of Fontaneres, Valencia Province. latitude: 38 deg. 47 min. N. longitude: 00 deg. 47 min. W. elevation: 600m. remarks: Sown February-May, transplanted, harvested August-September. Fresh consumption. Annual. Cultivar. Seed.
- PI 513090 donor id: V-L-73. origin: Spain. collected: September 23, 1984. collector id: V-L-73. locality: Farmland, 5km from Onda to Villarreal, Castellon de la Plana Province. latitude: 39 deg. 58 min. N. longitude: 00 deg. 17 min. W. elevation: 60m. remarks: Sown January-May, transplanted, harvested September. Annual. Cultivar. Seed.
- PI 513091 donor id: V-L-74. origin: Spain. collected: September 23, 1984. collector id: V-L-74. locality: Property reserve, Argelita, Castellon de la Plana Province. latitude: 40 deg. 03 min. N. longitude: 00 deg. 21 min. W. elevation: 311m. remarks: Sown January-March-April, transplanted, harvested July-August. Self-consumption. Annual. Cultivar. Seed.

PI 512899 to 513135-continued

- PI 513092 donor id: V-L-75. origin: Spain. collected: June 25, 1984. collector id: V-L-75. locality: Valencia Province. latitude: 39 deg. 26 min. N. longitude: 00 deg. 20 min. W. elevation: 13m. Annual. Cultivar. Seed.
- PI 513093 donor id: V-L-76. origin: Spain. collected: June 25, 1984. collector id: V-L-76. locality: Farmland, 4km from Alcaya, Castellon de la Plana Province. latitude: 40 deg. 05 min. N. longitude: 00 deg. 15 min. W. elevation: 150m. remarks: Sown December, transplanted May, harvested July. Self-consumption. Annual. Primitive Cultivar. Seed.
- PI 513094 donor id: V-L-77. origin: Spain. collected: June 25, 1984. collector id: V-L-77. locality: Farmland, La Foya, Castellon de la Plana Province. latitude: 40 deg. 06 min. N. longitude: 00 deg. 14 min. W. elevation: 140m. remarks: Sown December, transplanted May, harvested July. Self-consumption. Annual. Primitive Cultivar. Seed.
- PI 513095 donor id: V-L-78. origin: Spain. collected: October 25, 1984. collector id: V-L-78. locality: Farmland, Figueroles, Castellon de la Plana Province. latitude: 40 deg. 08 min. N. longitude: 00 deg. 15 min. W. elevation: 340m. remarks: Sown December, transplanted May, harvested July. Self-consumption. Annual. Primitive Cultivar. Seed.
- PI 513096 donor id: V-L-79. origin: Spain. collected: October 25, 1984. collector id: V-L-79. locality: Farmland, La Foya, Castellon de la Plana Province. latitude: 40 deg. 06 min. N. longitude: 00 deg. 14 min. W. elevation: 140m. remarks: Sown December, transplanted May, harvested July. Self-consumption. Annual. Primitive Cultivar. Seed.
- PI 513097 donor id: V-L-80. origin: Spain. collected: October 25, 1984. collector id: V-L-80. locality: Farmland, Figueroles, Castellon de la Plana Province. latitude: 40 deg. 08 min. N. longitude: 00 deg. 15 min. W. elevation: 340m. remarks: Sown December, transplanted May, harvested July. Self-consumption. Annual. Primitive Cultivar. Seed.

PI 512899 to 513135-continued

- PI 513098 donor id: V-L-81. origin: Spain. collected: October 25, 1984. collector id: V-L-81. locality: Farmland, Figeroles, Castellon de la Plana Province. latitude: 40 deg. 08 min. N. longitude: 00 deg. 15 min. W. elevation: 340m. remarks: Sown December, transplanted May, harvested July. Self-consumption. Annual. Primitive Cultivar. Seed.
- PI 513099 donor id: V-L-82. origin: Spain. collected: October 25, 1984. collector id: V-L-82. locality: Farmland, 3km E of Lucena del Cid, Castellon de la Plana Province. latitude: 40 deg. 09 min. N. longitude: 00 deg. 18 min. W. elevation: 542m. remarks: Sown December, transplanted May, harvested July. Plant tall. Self-consumption. Annual. Primitive Cultivar. Seed.
- PI 513100 donor id: V-L-83. origin: Spain. collected: October 25, 1984. collector id: V-L-83. locality: Farmland, 3km E of Lucena del Cid, Castellon de la Plana Province. latitude: 40 deg. 09 min. N. longitude: 00 deg. 18 min. W. elevation: 542m. remarks: Sown December, transplanted May. harvested July. Fruit color, pink. Taste, sweet. Self-consumption. Annual. Primitive Cultivar. Seed.
- PI 513101 donor id: V-L-84. origin: Spain. collected: October 25, 1984. collector id: V-L-84. locality: Farmland, Lucena del Cid, Castellon de la Plana Province. Province. latitude: 40 deg. 09 min. N. longitude: 00 deg. 18 min. W. elevation: 542m. remarks: Sown December, transplanted May, harvested July. Self-consumption. Annual. Primitive Cultivar. Seed.
- PI 513102 donor id: V-L-85. origin: Spain. collected: October 25, 1984. collector id: V-L-85. locality: Farmland, Villahermosa del Rio, Castellon de la Plana Province. latitude: 40 deg. 12 min. N. longitude: 00 deg. 27 min. W. elevation: 731m. remarks: Sown December, transplanted May, harvested July. Self-consumption. Annual. Primitive Cultivar. Seed.
- PI 513103 donor id: V-L-86. origin: Spain. collected: October 25, 1984. collector id: V-L-86. locality: Farmland, Villahermosa del Rio, Castellon de la Plana Province. latitude: 40 deg. 12 min. N. longitude: 00 deg. 27 min. W. elevation: 731m. remarks: Sown December, transplanted May, harvested July. Self-consumption. Annual. Primitive Cultivar. Seed.

PI 512899 to 513135-continued

- PI 513104 donor id: V-L-87. origin: Spain. collected: October 25, 1984. collector id: V-L-87. locality: Farmland, Villahermosa del Rio, Castellon de la Plana Province. latitude: 40 deg. 12 min. N. longitude: 00 deg. 27 min. W. elevation: 731m. remarks: Sown December, transplanted May, harvested July. Self-consumption. Annual. Primitive Cultivar. Seed.
- PI 513105 donor id: V-L-88. origin: Spain. collected: October 25, 1984. collector id: V-L-88. locality: Farmland, Villahermosa del Rio, Castellon de la Plana Province. latitude: 40 deg. 12 min. N. longitude: 00 deg. 27 min. W. elevation: 731m. remarks: Sown December, transplanted May, harvested July. Self-consumption. Annual. Primitive Cultivar. Seed.
- PI 513106 donor id: V-L-89. origin: Spain. collected: October 25, 1984. collector id: V-L-89. locality: Farmland, Villahermosa del Rio, Castellon de la Plana Province. latitude: 40 deg. 12 min. N. longitude: 00 deg. 27 min. W. elevation: 731m. remarks: Sown December, transplanted May, harvested July. Self-consumption. Annual. Primitive Cultivar. Seed.
- PI 513107 donor id: V-L-90. origin: Spain. collected: October 25, 1984. collector id: V-L-90. locality: Farmland, Villahermosa del Rio, Castellon de la Plana Province. latitude: 40 deg. 12 min. N. longitude: 00 deg. 27 min. W. elevation: 731m. remarks: Sown December, transplanted May, harvested July. Self-consumption. Annual. Primitive Cultivar. Seed.
- PI 513108 donor id: V-L-91. origin: Spain. collected: October 25, 1984. collector id: V-L-91. locality: Farmland, Castillo de Villamelafa, Castellon de la Plana Province. latitude: 40 deg. 09 min. N. longitude: 00 deg. 24 min. W. elevation: 808m. remarks: Sown December, transplanted May, harvested July. Self-consumption. Annual. Primitive Cultivar. Seed.
- PI 513109 donor id: V-L-92. origin: Spain. collected: October 25, 1984. collector id: V-L-92. locality: Farmland, Castillo de Villamelafa, Castellon de la Plana Province. latitude: 40 deg. 09 min. N. longitude: 00 deg. 24 min. W. elevation: 808m. remarks: Sown December, transplanted May, harvested July. self-consumption. Annual. Primitive Cultivar. Seed.

PI 512899 to 513135-continued

- PI 513110 donor id: V-L-93. origin: Spain. collected: October 25, 1984. collector id: V-L-93. locality: Farmland, Castillo de Villamelafa, Castellon de la Plana Province. latitude: 40 deg. 09 min. N. longitude: 00 deg. 24 min. W. elevation: 808m. remarks: Sown December, transplanted May, harvested July. Tomatoes all year long. Self-consumption. Annual. Primitive Cultivar. Seed.
- PI 513111 donor id: V-L-94. origin: Spain. collected: October 25, 1984. collector id: V-L-94. locality: Farmland, Giraba, Castellon de la Plana Province. latitude: 40 deg. 06 min. N. longitude: 00 deg. 22 min. W. elevation: 450m. remarks: Sown January-February, transplanted April-May, harvested October. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 513112 donor id: V-L-95. origin: Spain. collected: October 25, 1984. collector id: V-L-95. locality: Farmland, Giraba, Castellon de la Plana Province. latitude: 40 deg. 06 min. N. longitude: 00 deg. 22 min. W. elevation: 450m. remarks: Sown January-February, transplanted April-May, harvested in October. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 513113 donor id: V-L-96. origin: Spain. collected: October 25, 1984. collector id: V-L-96. locality: Farmland, Giraba, Castellon de la Plana Province. latitude: 40 deg. 06 min. N. longitude: 00 deg. 22 min. W. elevation: 450m. remarks: Sown January-February, transplanted April-May, harvested in October. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 513114 donor id: V-L-97. origin: Spain. collected: October 25, 1984. collector id: V-L-97. locality: Farmland, Giraba, Castellon de la Plana Province. latitude: 40 deg. 06 min. N. longitude: 00 deg. 22 min. W. elevation: 450m. remarks: Sown January-February, transplanted April-May, harvested in October. Used for salads. Annual. Primitive Cultivar. Seed.
- PI 513115 donor id: V-L-98. origin: Spain. collected: October 25, 1984. collector id: V-L-98. locality: Farmland, Giraba, Castellon de la Plana Province. latitude: 40 deg. 06 min. N. longitude: 00 deg. 22 min. W. elevation: 450m. remarks: Sown January-February, transplanted April-May, harvested in October. Used for salads. Annual. Primitive Cultivar. Seed.

PI 512899 to 513135-continued

- PI 513116 donor id: V-L-99. origin: Spain. collected: October 23, 1984. collector id: V-L-99. locality: Farmland, 4km E of Onda, Castellon de la Plana Province. latitude: 39 deg. 58 min. N. longitude: 00 deg. 17 min. W. elevation: 60m. remarks: Sown June, harvested August. self-consumption. Annual. Cultivar. Seed.
- PI 513117 donor id: V-L-100. origin: Spain. collected: October 23, 1984. collector id: V-L-100. locality: Farmland, 5km E of Onda, Castellon de la Plana Province. latitude: 39 deg. 58 min. N. longitude: 00 deg. 17 min. W. elevation: 60m. remarks: Sown January-May, transplanted, harvested September. Self-consumption. Annual. Cultivar. Seed.
- PI 513118 donor id: V-L-101. origin: Spain. collected: October 23, 1984. collector id: V-L-101. locality: Farmland, Fanzara, Castellon de la Plana Province. latitude: 40 deg. 03 min. N. longitude: 00 deg. 20 min. W. elevation: 120m. remarks: Sown February-April, transplanted, harvested August. Self-consumption. Annual. Cultivar. Seed.
- PI 513119 donor id: V-L-102. origin: Spain. collected: October 23, 1984. collector id: V-L-102. locality: Farmland, Fanzara, Castellon de la Plana Province. latitude: 40 deg. 03 min. N. longitude: 00 deg. 20 min. W. elevation: 120m. remarks: Sown February-April, transplanted, harvested August. Self-consumption. Annual. Cultivar. Seed.
- PI 513120 donor id: V-L-103. origin: Spain. collected: October 23, 1984. collector id: V-L-103. locality: Farmland, Fanzara, Castellon de la Plana Province. latitude: 40 deg. 03 min. N. longitude: 00 deg. 20 min. W. elevation: 120m. remarks: Sown February-April, transplanted, harvested August. Self-consumption. Annual. Cultivar. Seed.
- PI 513121 donor id: V-L-104. origin: Spain. collected: October 23, 1984. collector id: V-L-104. locality: Farmland, Fanzara, Castellon de la Plana Province. latitude: 40 deg. 03 min. N. longitude: 00 deg. 20 min. W. elevation: 120m. remarks: Sown February-April, transplanted, harvested August. Self-consumption. Annual. Cultivar. Seed.

PI 512899 to 513135-continued

- PI 513122 donor id: V-L-105. origin: Spain. collected: October 23, 1984. collector id: V-L-105. locality: Farmland, Argelita, Castellon de la Plana Province. latitude: 40 deg. 03 min. N. longitude: 00 deg. 21 min. W. elevation: 311m. remarks: Sown January-March, April transplanted, harvested July-August. Self-consumption. Annual. Cultivar. Seed.
- PI 513123 donor id: V-L-106. origin: Spain. collected: October 23, 1984. collector id: V-L-106. locality: Farmland, Argelita, Castellon de la Plana Province. latitude: 40 deg. 03 min. N. longitude: 00 deg. 21 min. W. elevation: 311m. remarks: Sown January-March, April transplanted, harvested in July-August. Self-consumption. Annual. Cultivar. Seed.
- PI 513124 donor id: V-L-107. origin: Spain. collected: October 23, 1984. collector id: V-L-107. locality: Farmland, Onda, Castellon de la Plana Province. latitude: 39 deg. 58 min. N. longitude: 00 deg. 17 min. W. elevation: 60m. remarks: Sown February-March, transplanted, harvested July. Self-consumption. Annual. Cultivar. Seed.
- PI 513125 donor id: V-L-108. origin: Spain. collected: October 23, 1984. collector id: V-L-108. locality: Farmland, Onda, Castellon de la Plana Province. latitude: 39 deg. 58 min. N. longitude: 00 deg. 17 min. W. elevation: 60m. remarks: Sown February-March, transplanted, harvested July. Self-consumption. Annual. Cultivar. Seed.
- PI 513126 donor id: V-L-109. origin: Spain. collected: October 23, 1984. collector id: V-L-109. locality: Farmland, Onda, Castellon de la Plana Province. latitude: 39 deg. 58 min. N. longitude: 00 deg. 17 min. W. elevation: 60m. remarks: Sown February-March, transplanted, harvested July. Self-consumption. Annual. Cultivar. Seed.
- PI 513127 donor id: V-L-110. origin: Spain. collector id: V-L-110. locality: Property reserve, Torrente, Valencia Province. latitude: 39 deg. 25 min. N. longitude: 00 deg. 30 min. W. elevation: 50m. remarks: Sown January-February, harvested June-July. Used fresh and fried. Annual. Primitive Cultivar. Seed.

PI 512899 to 513135-continued

- PI 513128 donor id: V-L-111. origin: Spain. collector id: V-L-111. locality: Property reserve, Valencia, Valencia Province. latitude: 39 deg. 25 min. N. longitude: 00 deg. 25 min. W. elevation: 13m. remarks: Sown January-February, harvested June-July. Used fresh and fried. Annual. Primitive Cultivar. Seed.
- PI 513129 donor id: V-L-112. origin: Spain. collector id: V-L-112. locality: Property reserve, Valencia, Valencia Province. latitude: 39 deg. 25 min. N. longitude: 00 deg. 25 min. W. elevation: 13m. remarks: Sown January-February, harvested June-July. Used fresh and fried. Annual. Primitive Cultivar. Seed.
- PI 513130 donor id: V-L-113. origin: Spain. collector id: V-L-113. locality: Property reserve, Vinaroz, Castellon de la Plana Province. latitude: 40 deg. 30 min. N. longitude: 00 deg. 30 min. E. elevation: 6m. remarks: Sown January-February, harvested June-July. Used fresh and fried. Annual. Primitive Cultivar. Seed.
- PI 513131 donor id: V-L-114. origin: Spain. collector id: V-L-114. locality: Property reserve, Vinaroz, Castellon de la Plana Province. latitude: 40 deg. 30 min. N. longitude: 00 deg. 30 min. E. elevation: 6m. remarks: Sown January-February, harvested June-July. Used fresh and fried. Annual. Primitive Cultivar. Seed.
- PI 513132 donor id: V-L-115. origin: Spain. collected: November 23, 1984. collector id: V-L-115. locality: Institute in Segorbe, Castellon de la Plana Province. latitude: 39 deg. 50 min. N. longitude: 00 deg. 28 min. W. elevation: 358m. remarks: Sown March, harvested August-September. Used for fresh consumption. Annual. Primitive Cultivar. Seed.
- PI 513133 donor id: V-L-116. origin: Spain. collected: October 25, 1984. collector id: V-L-116. locality: Farmland, Castillo de Villamalefa, Castellon de la Plana Province. latitude: 40 deg. 09 min. N. longitude: 00 deg. 24 min. W. elevation: 808m. remarks: Sown February-May, transplanted, harvested July. Self-consumption. Annual. Primitive Cultivar. Seed.
- PI 513134 donor id: V-L-117. origin: Spain. collected: 1984. collector id: V-L-117. locality: Property reserve and farmland, Torrebaja, Valencia Province. latitude: 40 deg. 05 min. N. longitude: 01 deg. 16 min. W. elevation: 760m. remarks: Sown March, harvested August-September. Annual. Primitive Cultivar. Seed.

PI 512899 to 513135-continued

PI 513135 donor id: V-L-118. origin: Spain. collected: 1984.
collector id: V-L-118. locality: Property reserve and
farmland, Torrebaja, Valencia Province. latitude: 40
deg. 05 min. N. longitude: 01 deg. 16 min. W.
elevation: 760m. remarks: Sown March, harvested
August-September. Annual. Primitive Cultivar. Seed.

PI 513136. *Thladiantha calcarata* C. B. Clarke CUCURBITACEAE

Donated by: Nuez, F.V., Dep. De Genetica y Mejora, Univ.
Politecnica, Camino de Vera, 14, Valencia, Valencia, Spain.
remarks: Received through IBPGR, Rome, Italy. Received July 22,
1985.

donor id: V-CU-90. origin: Spain. collected: September
22, 1984. collector id: V-CU-90. locality: Forest, Casa
Altas, Valencia Province. latitude: 40 deg. 02 min. N.
longitude: 01 deg. 16 min. W. elevation: 900m. Annual.
Seed.

PI 513137 to 513153. *Cicer arietinum* L. FABACEAE Chickpea

Donated by: National Agricultural Research Centre, Pakistan
Agricultural Research Council, P.O. National Health Laboratories,
Islamabad, Pakistan. remarks: Received through M. Saeed USAID
Islamabad. Collected by Pakistan team consisting of M.S. Bhatti, R.
Anwar, M. Afzal, A.M. Hagani and A.S. Mohmand. Received October 13,
1987.

PI 513137 donor id: 52299. origin: Pakistan. local name: Chana.
collected: April 05, 1983. collector id: 861/1.
locality: Market, Chawinda, Punjab. elevation: 300m.
Cultivated. Seed.

PI 513138 donor id: 52300. origin: Pakistan. local name: Chana.
collected: April 06, 1983. collector id: 866/2.
locality: Market, Sialkot, Punjab. elevation: 310m.
Cultivated. Seed.

PI 513139 donor id: 52301. origin: Pakistan. local name: Chana.
collected: April 06, 1983. collector id: 867/3.
locality: Market, Sambrial, Punjab. elevation: 300m.
Cultivated. Seed.

PI 513140 donor id: 52302. origin: Pakistan. local name: Chana.
collected: April 06, 1983. collector id: 868/3.
locality: Market, Wazirabad, Punjab. elevation: 300m.
Cultivated. Seed.

PI 513137 to 513153-continued

- PI 513141 donor id: 52303. origin: Pakistan. local name: Chana.
collected: April 06, 1983. collector id: 868/4.
locality: Market, Wazirabad, Punjab. elevation: 300m.
Cultivated. Seed.
- PI 513142 donor id: 52304. origin: Pakistan. local name: Chana.
collected: April 07, 1983. collector id: 879/5.
locality: Market, Kasur, Punjab. elevation: 300m.
Cultivated. Seed.
- PI 513143 donor id: 52305. origin: Pakistan. local name: Chana.
collected: April 07, 1983. collector id: 881/2.
locality: Market, Raiwind, Punjab. elevation: 300m.
Cultivated. Seed.
- PI 513144 donor id: 52306. origin: Pakistan. local name: Chana.
collected: April 07, 1983. collector id: 884/6.
locality: Market, Muredkay, Punjab. elevation: 280m.
Cultivated. Seed.
- PI 513145 donor id: 52307. origin: Pakistan. local name: Chana.
collected: April 08, 1983. collector id: 885/6.
locality: Market, Shahdara, Punjab. elevation: 290m.
Cultivated. Seed.
- PI 513146 donor id: 52308. origin: Pakistan. local name: Chana.
collected: April 09, 1983. collector id: 889/8.
locality: Market, Pattuki, Punjab. elevation: 270m.
Cultivated. Seed.
- PI 513147 donor id: 52309. origin: Pakistan. local name: Chana.
collected: April 09, 1983. collector id: 891/4.
locality: Market, Okara, Punjab. elevation: 260m.
Cultivated. Seed.
- PI 513148 donor id: 52310. origin: Pakistan. local name: Chana.
collected: April 10, 1983. collector id: 893/5.
locality: Market, Fazalke, Punjab. elevation: 260m.
Cultivated. Seed.
- PI 513149 donor id: 52311. origin: Pakistan. local name: Chana.
collected: April 10, 1983. collector id: 894/10.
locality: Market, Sahiwal, Punjab. elevation: 250m.
Cultivated. Seed.
- PI 513150 donor id: 52312. origin: Pakistan. local name: Chana.
collected: April 13, 1983. collector id: 910/2.
locality: Field, Chawk Munda, Punjab. elevation: 210m.
Cultivated. Seed.

PI 513137 to 513153-continued

PI 513151 donor id: 52313. origin: Pakistan. local name: Sufaid Chana. collected: September 26, 1983. collector id: 943/3. locality: Market, Kamoki, Punjab. elevation: 320m. Cultivated. Seed.

PI 513152 donor id: 52314. origin: Pakistan. local name: Kala Chana. collected: September 26, 1983. collector id: 943/8. locality: Market, Kamoki, Punjab. elevation: 320m. Cultivated. Seed.

PI 513153 donor id: 52315. origin: Pakistan. local name: Sufaid Chana. collected: September 27, 1983. collector id: 947/1. locality: Market, Gujrat, Punjab. elevation: 350m. Cultivated. Seed.

PI 513154 to 513236. *Hordeum vulgare* L. POACEAE Barley

Donated by: National Agricultural Research Centre, Pakistan Agricultural Research Council, P.O. National Health Laboratories, Islamabad, Pakistan. remarks: Received through M. Saeed USAID Islamabad. Collected by Pakistan team consisting of M.S. Bhatti, R. Anwar, M. Afzal, A.M. Hagani and A.S. Mohmand. Received October 13, 1987.

PI 513154 donor id: 30246. origin: Pakistan. collector id: 835/12. Cultivated. Seed.

PI 513155 donor id: 30247. origin: Pakistan. local name: Jawo. collected: April 04, 1983. collector id: 850/4. locality: Field, Ban Bajwa, Punjab. elevation: 290m. Cultivated. Seed.

PI 513156 donor id: 30248. origin: Pakistan. local name: Jawo. collected: April 04, 1983. collector id: 851/4. locality: Field, Noshera, Punjab. elevation: 295m. Cultivated. Seed.

PI 513157 donor id: 30249. origin: Pakistan. local name: Jawo. collected: April 04, 1983. collector id: 852/4. locality: Field, Kala Soba Singh, Punjab. elevation: 300m. Cultivated. Seed.

PI 513158 donor id: 30250. origin: Pakistan. local name: Jawo. collected: April 04, 1983. collector id: 854/2. locality: Field, Sadawala Ucha, Punjab. elevation: 300m. Cultivated. Seed.

PI 513159 donor id: 30251. origin: Pakistan. local name: Jawo. collected: April 05, 1983. collector id: 860/4. locality: Field, Khichian, Punjab. elevation: 280m. Cultivated. Seed.

PI 513154 to 513236-continued

- PI 513160 donor id: 30252. origin: Pakistan. local name: Jawo.
collected: April 05, 1983. collector id: 862/2.
locality: Field, Goor, Punjab. elevation: 300m.
Cultivated. Seed.
- PI 513161 donor id: 30253. origin: Pakistan. local name: Jawo.
collected: April 05, 1983. collector id: 863/7.
locality: Farm Store, Damala Hakim Wala, Punjab.
elevation: 340m. Cultivated. Seed.
- PI 513162 donor id: 30254. origin: Pakistan. local name: Jawo.
collected: April 05, 1983. collector id: 864/2.
locality: Field, Morchapur, Punjab. elevation: 330m.
Cultivated. Seed.
- PI 513163 donor id: 30255. origin: Pakistan. local name: Jawo.
collected: April 06, 1983. collector id: 765/1.
locality: Field, Dalo Wali, Punjab. elevation: 310m.
Cultivated. Seed.
- PI 513164 donor id: 30256. origin: Pakistan. local name: Jawo.
collected: April 06, 1983. collector id: 869/2.
locality: Field, Mohallah Khurshid Pura, Punjab.
elevation: 290m. received as: *Hordeum distichum*.
Cultivated. Seed.
- PI 513165 donor id: 30257. origin: Pakistan. local name: Jawo.
collected: April 06, 1983. collector id: 869/3.
locality: Field, Mohallah Khurshid Pura, Punjab.
elevation: 290m. Cultivated. Seed.
- PI 513166 donor id: 30258. origin: Pakistan. local name: Jawo.
collected: April 06, 1983. collector id: 869/4.
locality: Field, Mohallah Khurshid, Punjab. elevation:
290m. Cultivated. Seed.
- PI 513167 donor id: 30259. origin: Pakistan. local name: Jawo.
collected: April 06, 1983. collector id: 871/2.
locality: Field, Iqbal Nagar, Punjab. elevation: 280m.
Cultivated. Seed.
- PI 513168 donor id: 30260. origin: Pakistan. local name: Jawo.
collected: April 07, 1983. collector id: 875/2.
locality: Field, Rainwand, Punjab. elevation: 210m.
Cultivated. Seed.
- PI 513169 donor id: 30261. origin: Pakistan. local name: Jawo.
collected: April 07, 1983. collector id: 877/1.
locality: Field, Kasur, Punjab. elevation: 300m.
Cultivated. Seed.

PI 513154 to 513236-continued

- PI 513170 donor id: 30262. origin: Pakistan. local name: Jawo.
collected: April 07, 1983. collector id: 878/3.
locality: Field, Noorpur, Punjab. elevation: 290m.
Cultivated. Seed.
- PI 513171 donor id: 30263. origin: Pakistan. local name: Jawo.
collected: April 07, 1983. collector id: 880/1.
locality: Field, Raja Jang, Punjab. elevation: 300m.
Cultivated. Seed.
- PI 513172 donor id: 30264. origin: Pakistan. local name: Jawo.
collected: April 08, 1983. collector id: 883/1.
locality: Field, Wagah border, Punjab. elevation: 280m.
Cultivated. Seed.
- PI 513173 donor id: 30265. origin: Pakistan. local name: Jawo.
collected: April 09, 1983. collector id: 886/1.
locality: Field, Maraka Quarter, Punjab. elevation:
280m. Cultivated. Seed.
- PI 513174 donor id: 30266. origin: Pakistan. local name: Jawo.
collected: April 09, 1983. collector id: 886/2.
locality: Field, Maraka Quarter, Punjab. elevation:
280m. received as: *Hordeum distichum*. Cultivated.
Seed.
- PI 513175 donor id: 30267. origin: Pakistan. local name: Jawo.
collected: April 09, 1983. collector id: 888/1.
locality: Field, Parnawan, Punjab. elevation: 280m.
Cultivated. Seed.
- PI 513176 donor id: 30268. origin: Pakistan. local name: Jawo.
collected: April 09, 1983. collector id: 888/2.
locality: Field, Parnawan, Punjab. elevation: 280m.
Cultivated. Seed.
- PI 513177 donor id: 30269. origin: Pakistan. local name: Jawo.
collected: April 09, 1982. collector id: 888/3.
locality: Field, Parnawan, Punjab. elevation: 280m.
received as: *Hordeum distichum*. Cultivated. Seed.
- PI 513178 donor id: 30270. origin: Pakistan. local name: Jawo.
collected: April 10, 1983. collector id: 897/2.
locality: Field, 135/16L Mian Channu, Punjab. elevation:
230m. Cultivated. Seed.
- PI 513179 donor id: 30271. origin: Pakistan. local name: Jawo.
collected: April 11, 1983. collector id: 999/4.
locality: Field, Athkassi, Punjab. elevation: 190m.
Cultivated. Seed.

PI 513154 to 513236-continued

- PI 513180 donor id: 30272. origin: Pakistan. local name: Jawo.
collected: April 13, 1983. collector id: 909/4.
locality: Market, Rangpur, Punjab. elevation: 200m.
Cultivated. Seed.
- PI 513181 donor id: 30273. origin: Pakistan. local name: Jawo.
collected: April 13, 1983. collector id: 912/2.
locality: Field, Chak No.611 TDA(Liaeh), Punjab.
elevation: 210m. Cultivated. Seed.
- PI 513182 donor id: 30284. origin: Pakistan. local name: Jawo.
collected: April 04, 1985. collector id: 1031/1.
locality: Field, Bharoo, Sind. elevation: 20m.
Cultivated. Seed.
- PI 513183 donor id: 30285. origin: Pakistan. local name: Jawo.
collected: April 04, 1985. collector id: 1031/2.
locality: Field, Bharoo, Sind. elevation: 20m.
Cultivated. Seed.
- PI 513184 donor id: 30286. origin: Pakistan. local name: Jawo.
collected: April 04, 1985. collector id: 1032/4.
locality: Field, Bharoo, Sind. elevation: 20m.
Cultivated. Seed.
- PI 513185 donor id: 30287. origin: Pakistan. local name: Jawo.
collected: April 04, 1985. collector id: 1032/4.
locality: Farm store, Ghulam Ullah, Sind. elevation:
10m. Cultivated. Seed.
- PI 513186 donor id: 30288. origin: Pakistan. local name: Jawo.
collected: April 05, 1985. collector id: 1034/4.
locality: Field, Haji Qasim, Sind. Cultivated. Seed.
- PI 513187 donor id: 30289. origin: Pakistan. local name: Jawo.
collected: April 05, 1985. collector id: 1036/2.
locality: Field, Panjni Chaka, Sind. Cultivated. Seed.
- PI 513188 donor id: 30290. origin: Pakistan. local name: Jawo.
collected: April 06, 1985. collector id: 1041/19.
locality: Farm store, Hyderabad, Sind. Cultivated.
Seed.
- PI 513189 donor id: 30291. origin: Pakistan. local name: Jawo.
collected: April 09, 1985. collector id: 1055/1.
locality: Field, near river bank, Sind. elevation: 90m.
Cultivated. Seed.
- PI 513190 donor id: 30292. origin: Pakistan. local name: Jawo.
collected: April 09, 1985. collector id: 1059/2.
locality: Field, Kacharo, Sind. elevation: 90m.
Cultivated. Seed.

PI 513154 to 513236-continued

- PI 513191 donor id: 30293. origin: Pakistan. local name: Jawo.
collected: April 12, 1985. collector id: 1082/3.
locality: Field, Samar Got, Sind. elevation: 60m.
Cultivated. Seed.
- PI 513192 donor id: 30294. origin: Pakistan. local name: Jawo.
collected: April 16, 1985. collector id: 1106/4.
locality: Field, Gangi Wasti, Sind. elevation: 100m.
Cultivated. Seed.
- PI 513193 donor id: 30295. origin: Pakistan. local name: Jawo.
collected: April 19, 1985. collector id: 1132/1.
locality: Field, Lot Sher Zaman. elevation: 230m.
Cultivated. Seed.
- PI 513194 donor id: 30300. origin: Pakistan. local name: Jawo.
collected: October 01, 1985. collector id: 1157/3.
locality: Farm store, Zandaydaz, Baluchistan. elevation:
1050m. Cultivated. Seed.
- PI 513195 donor id: 30301. origin: Pakistan. local name: Jawo.
collected: October 07, 1985. collector id: 1182/1.
locality: Market, Pasni, Baluchistan. Cultivated. Seed.
- PI 513196 donor id: 30302. origin: Pakistan. local name: Jawo.
collected: October 08, 1985. collector id: 1184/1.
locality: Farm store, Dandar, Baluchistan. elevation:
540m. Cultivated. Seed.
- PI 513197 donor id: 30303. origin: Pakistan. local name: Jawo.
collected: October 08, 1985. collector id: 1184/2.
locality: Farm store, Dandar, Baluchistan. elevation:
540m. Cultivated. Seed.
- PI 513198 donor id: 30304. origin: Pakistan. local name: Jawo.
collected: October 08, 1985. collector id: 1185/3.
locality: Farm store, Gashikor Malar, Baluchistan.
elevation: 510m. Cultivated. Seed.
- PI 513199 donor id: 30305. origin: Pakistan. local name: Jawo.
collected: October 09, 1985. collector id: 1188/4.
locality: Farm store, Jobri, Baluchistan. elevation:
1040m. Cultivated. Seed.
- PI 513200 donor id: 30306. origin: Pakistan. local name: Jawo.
collected: October 09, 1985. collector id: 1189/5.
locality: Farm store, Aladam, Baluchistan. elevation:
1100m. Cultivated. Seed.

PI 513154 to 513236-continued

- PI 513201 donor id: 30307. origin: Pakistan. local name: Jawo.
collected: October 09, 1985. collector id: 1190/3.
locality: Farm store, Nal, Baluchistan. elevation:
1050m. Cultivated. Seed.
- PI 513202 donor id: 30308. origin: Pakistan. local name: Jawo.
locality: Baluchistan. Cultivated. Seed.
- PI 513203 donor id: 30309. origin: Pakistan. local name: Jawo.
collected: June 15, 1986. collector id: 1213/2.
locality: Field, Doni, Baluchistan. elevation: 1500m.
Cultivated. Seed.
- PI 513204 donor id: 30311. origin: Pakistan. local name: Jawo.
collected: June 17, 1986. collector id: 1225/2.
locality: Field, Baleli, Baluchistan. elevation: 1400m.
Cultivated. Seed.
- PI 513205 donor id: 30315. origin: Pakistan. local name: Urbush.
collected: June 17, 1986. collector id: 1232/1.
locality: Field, Gandhi, Baluchistan. elevation: 1600m.
Cultivated. Seed.
- PI 513206 donor id: 30319. origin: Pakistan. local name: Saa.
collected: June 21, 1986. collector id: 1246/2.
locality: Field, Karez Shah Nawaz, Baluchistan.
elevation: 1400m. Cultivated. Seed.
- PI 513207 donor id: 30320. origin: Pakistan. local name: Jawo.
collected: June 21, 1986. collector id: 1248/4.
locality: Field, Mastung, Baluchistan. elevation: 1500m.
Cultivated. Seed.
- PI 513208 donor id: 30321. origin: Pakistan. local name: Jawo.
collected: June 21, 1986. collector id: 1250/3.
locality: Field, Manguchar, Baluchistan. elevation:
1560m. Cultivated. Seed.
- PI 513209 donor id: 30323. origin: Pakistan. local name: Jawo.
collected: June 23, 1986. collector id: 1256/1.
locality: Farm store, near Ziarat, Baluchistan.
elevation: 2010m. Cultivated. Seed.
- PI 513210 donor id: 30324. origin: Pakistan. local name: Jawo.
collected: July 22, 1986. collector id: 1273/3.
locality: Farm store, Normal, Northern area. elevation:
1400m. Cultivated. Seed.
- PI 513211 donor id: 30325. origin: Pakistan. local name: Jawo.
collected: July 22, 1986. collector id: 1278/1.
locality: Field, Naltar, Northern area. elevation:
2120m. Cultivated. Seed.

PI 513154 to 513236-continued

- PI 513212 donor id: 30326. origin: Pakistan. local name: Jawo.
collected: July 23, 1986. collector id: 1279/4.
locality: Farm store, Hanuchal, Northern area.
elevation: 1280m. Cultivated. Seed.
- PI 513213 donor id: 30327. origin: Pakistan. local name: Jawo.
collected: July 23, 1986. collector id: 1280/2.
locality: Field, Sassi, Northern area. elevation: 1300m.
Cultivated. Seed.
- PI 513214 donor id: 30328. origin: Pakistan. local name: Nas.
collected: July 23, 1986. collector id: 1284/1.
locality: Field, Triko, Northern area. elevation: 1700m.
Cultivated. Seed.
- PI 513215 donor id: 30329. origin: Pakistan. local name: Nas.
collected: July 23, 1986. collector id: 1283/2.
locality: Field, Talu Village, Northern area. elevation:
1740m. Cultivated. Seed.
- PI 513216 donor id: 30330. origin: Pakistan. local name: Jawo.
collected: July 24, 1986. collector id: 1287/2.
locality: Field, Gambus Skardu, Northern area.
elevation: 2020m. Cultivated. Seed.
- PI 513217 donor id: 30331. origin: Pakistan. local name: Jawo.
collected: July 24, 1986. collector id: 1290/1.
locality: Field, Kothan Pine, Northern area. elevation:
2080m. Cultivated. Seed.
- PI 513218 donor id: 30332. origin: Pakistan. local name: Jawo.
collected: July 24, 1986. collector id: 1291/2.
locality: Field, Kothan Bala, Northern area. elevation:
2060m. Cultivated. Seed.
- PI 513219 donor id: 30333. origin: Pakistan. local name: Jawo.
collected: July 25, 1986. collector id: 1294/2.
locality: Field, Shookha, Northern area. elevation:
2140m. Cultivated. Seed.
- PI 513220 donor id: 30334. origin: Pakistan. local name: Jawo.
collected: July 25, 1986. collector id: 1296/1.
locality: Field, Malpan, Northern area. elevation:
2520m. Cultivated. Seed.
- PI 513221 donor id: 30335. origin: Pakistan. local name: Jawo.
collected: July 25, 1986. collector id: 1297/2.
locality: Field, Meryk, Northern area. elevation: 2500m.
Cultivated. Seed.

PI 513154 to 513236-continued

- PI 513222 donor id: 30336. origin: Pakistan. local name: Jawo.
collected: July 27, 1986. collector id: 1311/2.
locality: Field, Danyur, Northern area. elevation:
1380m. Cultivated. Seed.
- PI 513223 donor id: 30337. origin: Pakistan. local name: Jawo.
collected: July 27, 1986. collector id: 1311/2.
locality: Field, Karimabad, Northern area. elevation:
2140m. Cultivated. Seed.
- PI 513224 donor id: 30338. origin: Pakistan. local name: Jawo.
collected: July 28, 1986. collector id: 1313/2.
locality: Field, Ayeena Abad, Northern area. elevation:
2140m. Cultivated. Seed.
- PI 513225 donor id: 30339. origin: Pakistan. local name: Jawo.
collected: July 28, 1986. collector id: 1314/2.
locality: Field, Khyber, Northern area. elevation:
2450m. Cultivated. Seed.
- PI 513226 donor id: 30340. origin: Pakistan. local name: Jawo.
collected: July 28, 1986. collector id: 1315/2.
locality: Farm store, Moorkhuno, Northern area.
elevation: 2480m. Cultivated. Seed.
- PI 513227 donor id: 30341. origin: Pakistan. local name: Jawo.
collected: July 30, 1986. collector id: 1319/1.
locality: Field, Gitch, Northern area. elevation: 1660m.
Cultivated. Seed.
- PI 513228 donor id: 30342. origin: Pakistan. local name: Jawo.
collected: July 30, 1986. collector id: 1320/2.
locality: Field, Gakuch, Northern area. elevation:
1700m. Cultivated. Seed.
- PI 513229 donor id: 30343. origin: Pakistan. local name: Jawo.
collected: July 31, 1986. collector id: 1323/2.
locality: Farm store, Ghainsil, Northern area.
elevation: 2280m. Cultivated. Seed.
- PI 513230 donor id: 30344. origin: Pakistan. local name: Jawo.
collected: July 31, 1986. collector id: 1324/2.
locality: Field, Harf (Thui), Northern area. elevation:
2400m. Cultivated. Seed.
- PI 513231 donor id: 30345. origin: Pakistan. local name: Jawo.
collected: July 31, 1986. collector id: 1325/1.
locality: Field, Barkulti, Northern area. elevation:
2260m. Cultivated. Seed.

PI 513154 to 513236-continued

- PI 513232 donor id: 30346. origin: Pakistan. local name: Jawo.
collected: July 31, 1986. collector id: 1326/1.
locality: Field, Kundor, Northern area. elevation:
2320m. Cultivated. Seed.
- PI 513233 donor id: 30347. origin: Pakistan. local name: Jawo.
collected: August 01, 1986. collector id: 1327/1.
locality: Field, Sali Harng, Northern area. elevation:
1970m. Cultivated. Seed.
- PI 513234 donor id: 30348. origin: Pakistan. local name: Jawo.
collected: August 01, 1986. collector id: 1329/4.
locality: Field, Hakis, Northern area. elevation: 1910m.
Cultivated. Seed.
- PI 513235 donor id: 30349. origin: Pakistan. local name: Jawo.
collected: July 22, 1986. collector id: 1377/3.
locality: Field, Naltar Pine, Northern area. elevation:
2040m. Cultivated. Seed.
- PI 513236 donor id: 30350. origin: Pakistan. collector id:
1356/3. locality: Northern area. Cultivated. Seed.

PI 513237 to 513252. Lathyrus sp. FABACEAE

Donated by: National Agricultural Research Centre, Pakistan
Agricultural Research Council, P.O. National Health Laboratories,
Islamabad, Pakistan. **remarks:** Received through M. Saeed USAID
Islamabad. Collected by Pakistan team consisting of M.S. Bhatti, R.
Anwar, M. Afzal, A.M. Hagani and A.S. Mohmand. Received October 13,
1987.

- PI 513237 donor id: 40692. origin: Pakistan. collected: April 05,
1983. collector id: 860/3. locality: Field, Khichian,
Punjab. elevation: 280m. Cultivated. Seed.
- PI 513238 donor id: 40694. origin: Pakistan. collected: April 05,
1983. collector id: 864/3. locality: Field, Morcha Pur,
Punjab. elevation: 330m. Cultivated. Seed.
- PI 513239 donor id: 40695. origin: Pakistan. collected: April 06,
1983. collector id: 871/3. locality: Field, Iqbal
Nagar, Punjab. elevation: 280m. Cultivated. Seed.
- PI 513240 donor id: 40804. origin: Pakistan. local name: Matri.
collected: April 05, 1985. collector id: 1035/1.
locality: Field, Mohd. Tahir Kaskili, Sind. Cultivated.
Seed.

PI 513237 to 513252-continued

- PI 513241 donor id: 40806. origin: Pakistan. local name: Matri.
collected: April 06, 1985. collector id: 1040/2.
locality: Threshing place, Amam Khan Jagshi, Sind.
Cultivated. Seed.
- PI 513242 donor id: 40807. origin: Pakistan. local name: Matri.
collected: April 08, 1985. collector id: 1050/3.
locality: Market, Hala, Sind. elevation: 80m.
Cultivated. Seed.
- PI 513243 donor id: 40808. origin: Pakistan. local name: Matri.
collected: April 09, 1985. collector id: 1056/2.
locality: Market, Buchial Pur, Sind. elevation: 80m.
Cultivated. Seed.
- PI 513244 donor id: 40810. origin: Pakistan. local name: Matri.
collected: April 10, 1985. collector id: 1066/1.
locality: Threshing place, Kara, Sind. elevation: 40m.
Cultivated. Seed.
- PI 513245 donor id: 40811. origin: Pakistan. collected: April 11,
1985. collector id: 1071/13. locality: Market, Larkana,
Sind. elevation: 20m. Cultivated. Seed.
- PI 513246 donor id: 40812. origin: Pakistan. local name: Matri.
collected: April 12, 1985. collector id: 1080/1.
locality: Threshing place, Lakhi, Sind. elevation: 60m.
Cultivated. Seed.
- PI 513247 donor id: 40813. origin: Pakistan. collected: April 13,
1985. collector id: 1087/6. locality: Market, Mirpur
Mathelo, Sind. elevation: 60m. Cultivated. Seed.
- PI 513248 donor id: 40814. origin: Pakistan. collected: April 16,
1985. collector id: 1105/2. locality: Market, Head
Mohd. Wala, Sind. elevation: 100m. Cultivated. Seed.
- PI 513249 donor id: 40815. origin: Pakistan. local name: Matri.
collected: April 16, 1985. collector id: 1106/3.
locality: Field, Gangi Wasti, Sind. elevation: 100m.
Cultivated. Seed.
- PI 513250 donor id: 40816. origin: Pakistan. local name: Matri.
collected: April 16, 1985. collector id: 1106/6.
locality: Field, Gangi Wasti, Sind. elevation: 100m.
Cultivated. Seed.
- PI 513251 donor id: 40817. origin: Pakistan. local name: Matri.
collected: April 16, 1985. collector id: 1107/4.
locality: Market, Rang Pur, Sind. elevation: 100m.
Cultivated. Seed.

PI 513237 to 513252-continued

PI 513252 donor id: 40823. origin: Pakistan. local name: Massar.
collected: April 22, 1985. collector id: 1150/6.
locality: Field, Talagang, Punjab. elevation: 450m.
Cultivated. Seed.

PI 513253 to 513378. *Lens culinaris* Medikus FABACEAE Lentil

Donated by: National Agricultural Research Centre, Pakistan
Agricultural Research Council, P.O. National Health Laboratories,
Islamabad, Pakistan. **remarks:** Received through M. Saeed USAID
Islamabad. Collected by Pakistan team consisting of M.S. Bhatti, R.
Anwar, M. Afzal, A.M. Hagani and A.S. Mohmand. Received October 13,
1987.

PI 513253 donor id: 40620. origin: Pakistan. local name: Massar.
collected: April 03, 1983. collector id: 848/1.
locality: Field, Niki Sook, Punjab. elevation: 330m.
Cultivated. Seed.

PI 513254 donor id: 40621. origin: Pakistan. local name: Massar.
collected: April 03, 1983. collector id: 849/1.
locality: Field, Bhagoowal, Punjab. elevation: 350m.
Cultivated. Seed.

PI 513255 donor id: 40622. origin: Pakistan. local name: Massar.
collected: April 04, 1983. collector id: 850/1.
locality: Field, Ban Bajwa, Punjab. elevation: 290m.
Cultivated. Seed.

PI 513256 donor id: 40623. origin: Pakistan. local name: Massar.
collected: April 04, 1983. collector id: 851/1.
locality: Field, Noshera, Punjab. elevation: 295m.
Cultivated. Seed.

PI 513257 donor id: 40624. origin: Pakistan. local name: Massar.
collected: April 04, 1983. collector id: 852/1.
locality: Field, Kilasoba Singh, Punjab. elevation:
300m. Cultivated. Seed.

PI 513258 donor id: 40625. origin: Pakistan. local name: Massar.
collected: April 04, 1983. collector id: 855/1.
locality: Field, Jadran, Punjab. elevation: 320m.
Cultivated. Seed.

PI 513259 donor id: 40626. origin: Pakistan. local name: Massar.
collected: April 04, 1983. collector id: 856/1.
locality: Field, Bambu, Punjab. elevation: 330m.
Cultivated. Seed.

PI 513253 to 513378-continued

- PI 513260 donor id: 40627. origin: Pakistan. local name: Massar.
collected: April 04, 1983. collector id: 857/1.
locality: Field, Paghala Moor, Punjab. elevation: 340m.
Cultivated. Seed.
- PI 513261 donor id: 40629. origin: Pakistan. local name: Massar.
collected: April 05, 1983. collector id: 859/1.
locality: Market, Daska, Punjab. elevation: 280m.
Cultivated. Seed.
- PI 513262 donor id: 40630. origin: Pakistan. local name: Massar.
collected: April 05, 1983. collector id: 860/1.
locality: Field, Khichian, Punjab. elevation: 280m.
Cultivated. Seed.
- PI 513263 donor id: 40631. origin: Pakistan. local name: Massar.
collected: April 05, 1983. collector id: 862/1.
locality: Field, Goor, Punjab. elevation: 300m.
Cultivated. Seed.
- PI 513264 donor id: 40632. origin: Pakistan. local name: Massar.
collected: April 05, 1983. collector id: 863/1.
locality: Farm store, Damala Hakim Wala, Punjab.
elevation: 340m. Cultivated. Seed.
- PI 513265 donor id: 40634. origin: Pakistan. local name: Massar.
collected: April 06, 1983. collector id: 866/1.
locality: Market, Sialkot, Punjab. elevation: 310m.
Cultivated. Seed.
- PI 513266 donor id: 40635. origin: Pakistan. local name: Massar.
collected: April 06, 1983. collector id: 867/1.
locality: Market, Sambrial Town, Punjab. elevation:
300m. Cultivated. Seed.
- PI 513267 donor id: 40638. origin: Pakistan. local name: Massar.
collected: April 06, 1983. collector id: 870/1.
locality: Market, Nokhar, Punjab. elevation: 280m.
Cultivated. Seed.
- PI 513268 donor id: 40639. origin: Pakistan. local name: Massar.
collected: April 06, 1983. collector id: 871/1.
locality: Field, Iqbql Nagar, Punjab. elevation: 280m.
Cultivated. Seed.
- PI 513269 donor id: 40640. origin: Pakistan. local name: Massar.
collected: April 06, 1983. collector id: 872/1.
locality: Market, Beg Pur, Punjab. elevation: 220m.
Cultivated. Seed.

PI 513253 to 513378-continued

- PI 513270 donor id: 40641. origin: Pakistan. local name: Massar.
collected: April 06, 1983. collector id: 873/1.
locality: Market, Sheikhu Pura, Punjab. elevation: 280m.
Cultivated. Seed.
- PI 513271 donor id: 40642. origin: Pakistan. local name: Massar.
collected: April 07, 1983. collector id: 874/1.
locality: Market, Kahna Nao, Punjab. elevation: 320m.
Cultivated. Seed.
- PI 513272 donor id: 40643. origin: Pakistan. local name: Massar.
collected: April 07, 1983. collector id: 876/1.
locality: Market, Mustafa Abad, Punjab. elevation: 300m.
Cultivated. Seed.
- PI 513273 donor id: 40644. origin: Pakistan. local name: Massar.
collected: April 07, 1983. collector id: 879/1.
locality: Market, Kasur, Punjab. elevation: 300m.
Cultivated. Seed.
- PI 513274 donor id: 40645. origin: Pakistan. local name: Massar.
collected: April 08, 1983. collector id: 882/1.
locality: Market, Bata Pur, Punjab. elevation: 300m.
Cultivated. Seed.
- PI 513275 donor id: 40646. origin: Pakistan. local name: Massar.
collected: April 07, 1983. collector id: 884/1.
locality: Market, Muredkay, Punjab. elevation: 280m.
Cultivated. Seed.
- PI 513276 donor id: 40647. origin: Pakistan. local name: Massar.
collected: April 08, 1983. collector id: 885/1.
locality: Market, Shahdara, Punjab. elevation: 290m.
Cultivated. Seed.
- PI 513277 donor id: 40649. origin: Pakistan. local name: Massar.
collected: April 09, 1983. collector id: 889/1.
locality: Market, Pattuki, Punjab. elevation: 270m.
Cultivated. Seed.
- PI 513278 donor id: 40650. origin: Pakistan. local name: Massar.
collected: April 09, 1983. collector id: 890/1.
locality: Market, Rmalakhuro, Punjab. elevation: 260m.
Cultivated. Seed.
- PI 513279 donor id: 40651. origin: Pakistan. local name: Massar.
collected: April 09, 1983. collector id: 892/1.
locality: Threshing place, Dipal Pur, Punjab. elevation:
270m. Cultivated. Seed.

PI 513253 to 513378-continued

- PI 513280 donor id: 40652. origin: Pakistan. local name: Massar.
collected: April 10, 1983. collector id: 893/1.
locality: Threshing place, Fazalka, Punjab. elevation:
260m. Cultivated. Seed.
- PI 513281 donor id: 40654. origin: Pakistan. local name: Massar.
collected: April 10, 1983. collector id: 894/2.
locality: Threshing place, Sahiwal, Punjab. elevation:
250m. Cultivated. Seed.
- PI 513282 donor id: 40655. origin: Pakistan. local name: Massar.
collected: April 10, 1983. collector id: 894/3.
locality: Market, Sahiwal, Punjab. elevation: 250m.
Cultivated. Seed.
- PI 513283 donor id: 40656. origin: Pakistan. local name: Massar.
collected: April 10, 1983. collector id: 894/4.
locality: Market, Sahiwal, Punjab. elevation: 250m.
Cultivated. Seed.
- PI 513284 donor id: 40657. origin: Pakistan. local name: Massar.
collected: April 10, 1983. collector id: 894/5.
locality: Market, Sahiwal, Punjab. elevation: 250m.
Cultivated. Seed.
- PI 513285 donor id: 40658. origin: Pakistan. local name: Massar.
collected: April 09, 1983. collector id: 891/1.
locality: Market, Okara, Punjab. elevation: 260m.
Cultivated. Seed.
- PI 513286 donor id: 40659. origin: Pakistan. local name: Massar.
collected: April 10, 1983. collector id: 895/1.
locality: Market, Chichawatni, Punjab. elevation: 230m.
Cultivated. Seed.
- PI 513287 donor id: 40661. origin: Pakistan. local name: Massar.
collected: April 10, 1983. collector id: 895/2.
locality: Market, Chichawatni, Punjab. elevation: 230m.
Cultivated. Seed.
- PI 513288 donor id: 40662. origin: Pakistan. local name: Massar.
collected: April 10, 1983. collector id: 895/3.
locality: Market, Chichawatni, Punjab. elevation: 230m.
Cultivated. Seed.
- PI 513289 donor id: 40663. origin: Pakistan. local name: Massar.
collected: April 10, 1983. collector id: 896/1.
locality: Market, Mian Channu, Punjab. elevation: 230m.
Cultivated. Seed.

PI 513253 to 513378-continued

- PI 513290 donor id: 40664. origin: Pakistan. local name: Massar.
collected: April 10, 1983. collector id: 896/2.
locality: Market, Mian Channu, Punjab. elevation: 230m.
Cultivated. Seed.
- PI 513291 donor id: 40665. origin: Pakistan. local name: Massar.
collected: April 10, 1983. collector id: 896/3.
locality: Market, Mian Channu, Punjab. elevation: 230m.
Cultivated. Seed.
- PI 513292 donor id: 40666. origin: Pakistan. local name: Massar.
collected: April 10, 1983. collector id: 897/1.
locality: Field, 135/16L Mian Channu, Punjab. elevation:
230m. Cultivated. Seed.
- PI 513293 donor id: 40667. origin: Pakistan. local name: Massar.
collected: April 10, 1983. collector id: 898/1.
locality: Field, Kachakhoh, Punjab. elevation: 230m.
Cultivated. Seed.
- PI 513294 donor id: 40668. origin: Pakistan. local name: Massar.
collected: April 11, 1983. collector id: 899/1.
locality: Field, Ath Kassi, Punjab. elevation: 190m.
Cultivated. Seed.
- PI 513295 donor id: 40669. origin: Pakistan. local name: Massar.
collected: April 11, 1983. collector id: 899/2.
locality: Field, Ath Kassi, Punjab. elevation: 190m.
Cultivated. Seed.
- PI 513296 donor id: 40671. origin: Pakistan. local name: Massar.
collected: April 11, 1983. collector id: 900/1.
locality: Field, Namay Wala Khoh, Punjab. elevation:
210m. Cultivated. Seed.
- PI 513297 donor id: 40672. origin: Pakistan. local name: Massar.
collected: April 12, 1983. collector id: 901/1.
locality: Market, Muzafar Garh, Punjab. elevation: 190m.
Cultivated. Seed.
- PI 513298 donor id: 40673. origin: Pakistan. local name: Massar.
collected: April 12, 1983. collector id: 901/2.
locality: Market, Muzafar Garh, Punjab. elevation: 190m.
Cultivated. Seed.
- PI 513299 donor id: 40674. origin: Pakistan. local name: Massar.
collected: April 12, 1983. collector id: 901/3.
locality: Market, Muzafar Garh, Punjab. elevation: 190m.
Cultivated. Seed.

PI 513253 to 513378-continued

- PI 513300 donor id: 40675. origin: Pakistan. local name: Massar.
collected: April 12, 1983. collector id: 901/4.
locality: Market, Muzafar Garh, Punjab. elevation: 190m.
Cultivated. Seed.
- PI 513301 donor id: 40676. origin: Pakistan. local name: Massar.
collected: April 12, 1983. collector id: 902/1.
locality: Field, Chak Mithan, Punjab. elevation: 200m.
Cultivated. Seed.
- PI 513302 donor id: 40677. origin: Pakistan. local name: Massar.
collected: April 12, 1983. collector id: 903/1.
locality: Field, Ali Wali, Punjab. Cultivated. Seed.
- PI 513303 donor id: 40678. origin: Pakistan. local name: Massar.
collected: April 12, 1983. collector id: 903/2.
locality: Field, Ali Wali, Punjab. Cultivated. Seed.
- PI 513304 donor id: 40679. origin: Pakistan. local name: Massar.
collected: April 12, 1983. collector id: 904/1.
locality: Farm storage, Mundh Wala, Punjab. elevation:
210m. Cultivated. Seed.
- PI 513305 donor id: 40680. origin: Pakistan. local name: Massar.
collected: April 12, 1983. collector id: 905/1.
locality: Market, Khan Pur, Punjab. elevation: 210m.
Cultivated. Seed.
- PI 513306 donor id: 40681. origin: Pakistan. collected: April 13,
1983. collector id: 906/1. locality: Field, Murad Abad,
Punjab. elevation: 190m. Cultivated. Seed.
- PI 513307 donor id: 40682. origin: Pakistan. collected: April 13,
1983. collector id: 907/1. locality: Field, Darbar
Kunal Sharif, Punjab. elevation: 190m. Cultivated.
Seed.
- PI 513308 donor id: 40683. origin: Pakistan. local name: Massri.
collected: April 13, 1983. collector id: 908/1.
locality: Threshing place, Harwani Bangla, Punjab.
elevation: 200m. Cultivated. Seed.
- PI 513309 donor id: 40684. origin: Pakistan. local name: Massri.
collected: April 13, 1983. collector id: 909/1.
locality: Market, Rang Pur, Punjab. elevation: 200m.
Cultivated. Seed.
- PI 513310 donor id: 40685. origin: Pakistan. local name: Massri.
collected: April 13, 1983. collector id: 910/1.
locality: Field, Chawk Munda, Punjab. elevation: 210m.
Cultivated. Seed.

PI 513253 to 513378-continued

- PI 513311 donor id: 40686. origin: Pakistan. local name: Massar.
collected: April 14, 1983. collector id: 914/1.
locality: Field/market, Bilawal Pur, Punjab. elevation:
210m. Cultivated. Seed.
- PI 513312 donor id: 40688. origin: Pakistan. local name: Massar.
collected: April 15, 1983. collector id: 920/1.
locality: Market, Faisalabad, Punjab. elevation: 290m.
Cultivated. Seed.
- PI 513313 donor id: 40689. origin: Pakistan. local name: Massar.
collected: April 04, 1983. collector id: 854/1.
locality: Field, Sadu Wala, Punjab. elevation: 300m.
Cultivated. Seed.
- PI 513314 donor id: 40690. origin: Pakistan. local name: Massar.
collected: April 09, 1983. collector id: 887/1.
locality: Market, Sundar, Punjab. elevation: 280m.
Cultivated. Seed.
- PI 513315 donor id: 40691. origin: Pakistan. local name: Massar.
collected: April 04, 1983. collector id: 853/1.
locality: Field, Narowal, Punjab. elevation: 300m.
Cultivated. Seed.
- PI 513316 donor id: 40701. origin: Pakistan. local name: Massar.
collected: April 09, 1983. collector id: 889/2.
locality: Market, Pattuki, Punjab. elevation: 270m.
Cultivated. Seed.
- PI 513317 donor id: 40703. origin: Pakistan. local name: Massar.
collected: April 13, 1983. collector id: 911/1.
locality: Field, Nai Wala, Punjab. elevation: 220m.
Cultivated. Seed.
- PI 513318 donor id: 40704. origin: Pakistan. local name: Massar.
collected: April 13, 1983. collector id: 912/1.
locality: Field, Chak No.611 TDA, Punjab. elevation:
210m. Cultivated. Seed.
- PI 513319 donor id: 40705. origin: Pakistan. local name: Massar.
collected: April 14, 1983. collector id: 915/1.
locality: Field, Haji Duwana, Punjab. elevation: 2m.
Cultivated. Seed.
- PI 513320 donor id: 40706. origin: Pakistan. local name: Massar.
collected: April 14, 1983. collector id: 916/1.
locality: Field, Bndhbiana, Punjab. elevation: 220m.
Cultivated. Seed.

PI 513253 to 513378-continued

- PI 513321 donor id: 40707. origin: Pakistan. local name: Massar.
collected: April 14, 1983. collector id: 917/1.
locality: Field, Muzaqadimi, Punjab. elevation: 230m.
Cultivated. Seed.
- PI 513322 donor id: 40708. origin: Pakistan. local name: Massar.
collected: April 14, 1983. collector id: 919/1.
locality: Field, Kalian Wala, Punjab. elevation: 28m.
Cultivated. Seed.
- PI 513323 donor id: 40744. origin: Pakistan. local name: Mouhri.
collected: April 04, 1985. collector id: 1030/3.
locality: Market, Gharoo Town, Sind. elevation: 20m.
Cultivated. Seed.
- PI 513324 donor id: 40745. origin: Pakistan. local name: Masoor.
collected: April 04, 1985. collector id: 1032/2.
locality: Market, Ghulam Ullah, Sind. elevation: 10m.
Cultivated. Seed.
- PI 513325 donor id: 40746. origin: Pakistan. local name: Masoor.
collected: April 04, 1985. collector id: 1032/3.
locality: Market, Ghulam Ullah, Sind. elevation: 10m.
Cultivated. Seed.
- PI 513326 donor id: 40747. origin: Pakistan. local name: Masoor.
collected: April 05, 1985. collector id: 1033/3.
locality: Market, Sujawal, Sind. elevation: 15m.
Cultivated. Seed.
- PI 513327 donor id: 40748. origin: Pakistan. collected: April 05,
1985. collector id: 1034/1. locality: Field, Haji
Qasim, Sind. elevation: 20m. Cultivated. Seed.
- PI 513328 donor id: 40749. origin: Pakistan. collected: April 05,
1985. collector id: 1034/2. locality: Field, Haji
Qasim, Sind. elevation: 20m. Cultivated. Seed.
- PI 513329 donor id: 40751. origin: Pakistan. local name: Masoor.
collected: April 05, 1985. collector id: 1035/2.
locality: Market, M.T. Kaskili, Sind. elevation: 20m.
Cultivated. Seed.
- PI 513330 donor id: 40752. origin: Pakistan. local name: Masoor.
collected: April 05, 1985. collector id: 1036/1.
locality: Threshing place, Panjwi Chaka, Sind.
elevation: 20m. Cultivated. Seed.
- PI 513331 donor id: 40753. origin: Pakistan. local name: Masoor.
collected: April 05, 1985. collector id: 1037/1.
locality: Market, Badin, Sind. elevation: 20m.
Cultivated. Seed.

PI 513253 to 513378-continued

- PI 513332 donor id: 40754. origin: Pakistan. local name: Masri.
collected: April 06, 1985. collector id: 1038/2.
locality: Threshing place, Kot Pir Misri Shah, Sind.
elevation: 20m. Cultivated. Seed.
- PI 513333 donor id: 40755. origin: Pakistan. local name: Masri.
collected: April 06, 1985. collector id: 1038/5.
locality: Threshing place, Kot Pir Misri Shah, Sind.
elevation: 20m. Cultivated. Seed.
- PI 513334 donor id: 40756. origin: Pakistan. local name: Masoor.
collected: April 06, 1985. collector id: 1039/2.
locality: Market, Talhar, Sind. elevation: 10m.
Cultivated. Seed.
- PI 513335 donor id: 40757. origin: Pakistan. local name: Masoor.
collected: April 06, 1985. collector id: 1040/1.
locality: Threshing place, Aman Khan Jagshi, Sind.
elevation: 10m. Cultivated. Seed.
- PI 513336 donor id: 40759. origin: Pakistan. local name: Massar.
collected: April 06, 1985. collector id: 1041/11.
locality: Market, Hyderabad, Sind. elevation: 50m.
Cultivated. Seed.
- PI 513337 donor id: 40760. origin: Pakistan. local name: Massar.
collected: April 06, 1985. collector id: 1041/12.
locality: Market, Hyderabad, Sind. elevation: 50m.
Cultivated. Seed.
- PI 513338 donor id: 40761. origin: Pakistan. local name: Massar.
collected: April 06, 1985. collector id: 1041/13.
locality: Market, Hyderabad, Sind. elevation: 50m.
Cultivated. Seed.
- PI 513339 donor id: 40762. origin: Pakistan. local name: Massar.
collected: April 06, 1985. collector id: 1041/14.
locality: Market, Hyderabad, Sind. elevation: 50m.
Cultivated. Seed.
- PI 513340 donor id: 40763. origin: Pakistan. local name: Mouhri.
collected: April 06, 1985. collector id: 1041/15.
locality: Market, Hyderabad, Sind. elevation: 50m.
Cultivated. Seed.
- PI 513341 donor id: 40764. origin: Pakistan. local name: Massar.
collected: April 06, 1985. collector id: 1041/16.
locality: Market, Hyderabad, Sind. elevation: 50m.
Cultivated. Seed.

PI 513253 to 513378-continued

- PI 513342 donor id: 40765. origin: Pakistan. local name: Massor.
collected: April 07, 1985. collector id: 1042/4.
locality: Market, Tando Allah Yar, Sind. elevation: 30m.
Cultivated. Seed.
- PI 513343 donor id: 40766. origin: Pakistan. local name: Massar.
collected: April 07, 1985. collector id: 1043/5.
locality: Market, Mirpur Khas, Sind. elevation: 30m.
Cultivated. Seed.
- PI 513344 donor id: 40767. origin: Pakistan. local name: Massar.
collected: April 07, 1985. collector id: 1043/6.
locality: Market, Mirpur Khas, Sind. elevation: 30m.
Cultivated. Seed.
- PI 513345 donor id: 40768. origin: Pakistan. local name: Masoor.
collected: April 07, 1985. collector id: 1044/1.
locality: Farm store, Hingorno, Sind. elevation: 40m.
Cultivated. Seed.
- PI 513346 donor id: 40769. origin: Pakistan. local name: Massar.
collected: April 07, 1985. collector id: 1045/2.
locality: Market, Khipro, Sind. elevation: 50m.
Cultivated. Seed.
- PI 513347 donor id: 40770. origin: Pakistan. local name: Massar.
collected: April 07, 1985. collector id: 1045/3.
locality: Market, Khipro, Sind. elevation: 50m.
Cultivated. Seed.
- PI 513348 donor id: 40771. origin: Pakistan. Cultivated. Seed.
- PI 513349 donor id: 40772. origin: Pakistan. local name: Massor.
collected: April 07, 1985. collector id: 1046/4.
locality: Market, Sanghar, Sind. elevation: 60m.
Cultivated. Seed.
- PI 513350 donor id: 40773. origin: Pakistan. local name: Massor.
collected: April 07, 1985. collector id: 1046/5.
locality: Market, Sanghar, Sind. elevation: 60m.
Cultivated. Seed.
- PI 513351 donor id: 40774. origin: Pakistan. local name: Massor.
collected: April 08, 1985. collector id: 1049/3.
locality: Field, Mohd. Ali Sangrsi, Sind. elevation:
80m. Cultivated. Seed.
- PI 513352 donor id: 40775. origin: Pakistan. local name: Massor.
collected: April 08, 1985. collector id: 1050/2.
locality: Market, Hala, Sind. elevation: 80m.
Cultivated. Seed.

PI 513253 to 513378-continued

- PI 513353 donor id: 40776. origin: Pakistan. local name: Massor.
collected: April 08, 1985. collector id: 1054/6.
locality: Market, Nawab Shah, Sind. elevation: 120m.
Cultivated. Seed.
- PI 513354 donor id: 40777. origin: Pakistan. local name: Massor.
collected: April 08, 1985. collector id: 1054/7.
locality: Market, Nawab Shah, Sind. elevation: 120m.
Cultivated. Seed.
- PI 513355 donor id: 40779. origin: Pakistan. local name: Massor.
collected: April 11, 1985. collector id: 1071/14.
locality: Market, Larkana, Sind. elevation: 20m.
Cultivated. Seed.
- PI 513356 donor id: 40780. origin: Pakistan. local name: Mahri.
collected: April 11, 1985. collector id: 1078/2.
locality: Field, Abdul Khel Got, Sind. elevation: 50m.
Cultivated. Seed.
- PI 513357 donor id: 40781. origin: Pakistan. Cultivated. Seed.
- PI 513358 donor id: 40782. origin: Pakistan. local name: Mahri.
collected: April 12, 1985. collector id: 1085/2.
locality: Threshing place, Rustam Khan Kurcu, Sind.
elevation: 110m. Cultivated. Seed.
- PI 513359 donor id: 40784. origin: Pakistan. local name: Mahri.
collected: April 13, 1985. collector id: 1087/2.
locality: Market, Mirpur Mathelo, Sind. elevation: 60m.
Cultivated. Seed.
- PI 513360 donor id: 40785. origin: Pakistan. local name: Mauhri.
collected: April 13, 1985. collector id: 1087/3.
locality: Market, Mirpur Mathelo, Sind. elevation: 60m.
Cultivated. Seed.
- PI 513361 donor id: 40787. origin: Pakistan. local name: Massar.
collected: April 13, 1985. collector id: 1089/4.
locality: Market, Ubaro, Sind. elevation: 80m.
Cultivated. Seed.
- PI 513362 donor id: 40788. origin: Pakistan. local name: Massar.
collected: April 13, 1985. collector id: 1091/4.
locality: Market, Rahim Yar Khan, Punjab. elevation:
100m. Cultivated. Seed.
- PI 513363 donor id: 40789. origin: Pakistan. local name: Massar.
collected: April 13, 1985. collector id: 1092/1.
locality: Threshing place, Inyat Khan Basti, Punjab.
elevation: 100m. Cultivated. Seed.

PI 513253 to 513378-continued

- PI 513364 donor id: 40790. origin: Pakistan. local name: Massar.
collected: April 14, 1985. collector id: 1094/1.
locality: Threshing place, Khushi Mohd., Punjab.
elevation: 100m. Cultivated. Seed.
- PI 513365 donor id: 40791. origin: Pakistan. local name: Massar.
collected: April 14, 1985. collector id: 1098/3.
locality: Market, Shehr Sultan, Punjab. elevation: 120m.
Cultivated. Seed.
- PI 513366 donor id: 40792. origin: Pakistan. local name: Massar.
collected: April 15, 1985. collector id: 1099/9.
locality: Market, Multan, Punjab. elevation: 110m.
Cultivated. Seed.
- PI 513367 donor id: 40793. origin: Pakistan. local name: Massar.
collected: April 15, 1985. collector id: 1099/10.
locality: Market, Multan, Punjab. elevation: 110m.
Cultivated. Seed.
- PI 513368 donor id: 40794. origin: Pakistan. local name: Massar.
collected: April 15, 1985. collector id: 1100/1.
locality: Field, Khohukan Wala, Punjab. elevation: 140m.
Cultivated. Seed.
- PI 513369 donor id: 40795. origin: Pakistan. local name: Massar.
collected: April 15, 1985. collector id: 1102/3.
locality: Field, Khohdalbahara, Punjab. elevation: 130m.
Cultivated. Seed.
- PI 513370 donor id: 40796. origin: Pakistan. local name: Massar.
collected: April 15, 1985. collector id: 1104/1.
locality: Field, Sultan Colony, Punjab. elevation: 150m.
Cultivated. Seed.
- PI 513371 donor id: 40797. origin: Pakistan. local name: Massar.
collected: April 16, 1985. collector id: 1106/2.
locality: Field Cangi Wasti, Punjab. elevation: 100m.
Cultivated. Seed.
- PI 513372 donor id: 40798. origin: Pakistan. local name: Massar.
collected: April 16, 1985. collector id: 1106/7.
locality: Field Cangi Wasti, Punjab. elevation: 100m.
Cultivated. Seed.
- PI 513373 donor id: 40799. origin: Pakistan. local name: Massar.
collected: April 16, 1985. collector id: 1105/1.
locality: Market, Head Mohd. Waha, Punjab. elevation:
100m. Cultivated. Seed.

PI 513253 to 513378-continued

- PI 513374 donor id: 40800. origin: Pakistan. local name: Massar.
collected: April 16, 1985. collector id: 1107/3.
locality: Market, Rang Pur, Punjab. elevation: 100m.
Cultivated. Seed.
- PI 513375 donor id: 40801. origin: Pakistan. local name: Massar.
collected: April 16, 1985. collector id: 1109/4.
locality: Market, Chauk Munda, Punjab. elevation: 120m.
Cultivated. Seed.
- PI 513376 donor id: 40802. origin: Pakistan. local name: Massar.
collected: April 17, 1985. collector id: 1114/4.
locality: Market, Asif Pul, Punjab. elevation: 150m.
Cultivated. Seed.
- PI 513377 donor id: 40803. origin: Pakistan. local name: Massar.
collected: April 21, 1985. collector id: 1138/7.
locality: Market, Mianwaliq, Punjab. elevation: 280m.
Cultivated. Seed.
- PI 513378 donor id: 40818. origin: Pakistan. local name: Massar.
collected: April 09, 1983. collector id: 1058/1.
locality: Field, Dehphulil, Sind. elevation: 90m.
Cultivated. Seed.

PI 513379 to 513380. Pisum sp. FABACEAE

Donated by: National Agricultural Research Centre, Pakistan
Agricultural Research Council, P.O. National Health Laboratories,
Islamabad, Pakistan. **remarks:** Received through M. Saeed USAID
Islamabad. Collected by Pakistan team consisting of M.S. Bhatti, R.
Anwar, M. Afzal, A.M. Hagani and A.S. Mohmand. Received October 13,
1987.

- PI 513379 donor id: 40698. origin: Pakistan. collector id: 702/3.
Seed.
- PI 513380 donor id: 40700. origin: Pakistan. local name: Matri.
collected: April 13, 1983. collector id: 908/2.
locality: Market, Harwani Bangla, Punjab. elevation:
200m. Cultivated. Seed.

PI 513381. Gossypium hirsutum L. MALVACEAE Cotton

Donated by: Bird, L.S., Texas A & M University, Dept. of Plant
Pathology & Microbiology, College Station, Texas, United States.
Received December 14, 1987.

PI 513381-continued

donor id: TX-CDP37HH-1-83. **origin:** United States. **cultivar:** TAMCOT CD3H. **pedigree:** Tamcot Sp37H/CDPS-1-77. **other id:** CV-94. **group:** CSR-COTTON. **other id:** PVP no. 8600164. **remarks:** Plants cylindrical, medium height, multiple pest resistant. Pollen yellow. Bolls storm resistant, yield 6.48g of seedcotton. Compared to other tamcot cultivars, lint higher (38%), fiber shorter with lower uniformity, but equal in strength. **insect resistance:** Fleahopper (*Pseudatomscelis seriatus*). Boll weevil *Anthonomus grandis*, and *Heliothis* spp. **disease resistance:** High to 19 U.S. races of bacterial blight. Cultivar. Seed.

PI 513382. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Orf, J.H., Dept. of Agronomy and Plant Genetics, University of Minnesota, St. Paul, Minnesota, United States. Received December 14, 1987.

donor id: M74-12(1). **origin:** United States. **cultivar:** GLENWOOD. **pedigree:** Evans/Peterson 85. **other id:** CV-211. **group:** CSR-SOYBEAN. **remarks:** Maturity group 0. Plants indeterminate. Flowers purple. Pubescence gray. Pods brown at maturity. Seed dull yellow with imperfect black hila. Lodging minimal. Full season cultivar from 45 degree to 47 degree N Lat. **disease resistance:** Races 1 and 2 of *Phytophthora* root rot. Powdery mildew (*Microsphaera diffusa*). Cultivar. Seed.

PI 513383 to 513396. *Gossypium hirsutum* L. MALVACEAE Cotton

Donated by: Smith, C.W., Dept. of Soil and Crop Science, Texas A & M University, College Station, Texas, United States. Received December 14, 1987.

PI 513383 **donor id:** CS-8601. **origin:** United States. **pedigree:** Tamcot CAMD-E//AET-5/6M-10. **other id:** GP-319. **group:** CSR-COTTON. **remarks:** Plants compact, determinate, short season type. Blooming rapid. Maturity early. Bolls medium to large. Storm resistant. Breeding Material. Seed.

PI 513384 **donor id:** CS-8602. **origin:** United States. **pedigree:** Tamcot CAMD-E/ Arkugo 4. **other id:** GP-320. **group:** CSR-COTTON. **remarks:** Plants compact, determinate, short season type. Blooming rapid. Maturity early. Bolls medium to large. Storm resistant. Breeding Material. Seed.

PI 513383 to 513396-continued

- PI 513385 donor id: CS-8603. origin: United States. pedigree: Tamcot Sp-21S//CA491/6M-10. other id: GP-321. group: CSR-COTTON. remarks: Plants compact, determinate, short season type. Blooming rapid. Maturity early. Bolls medium to large. Storm resistant. Breeding Material. Seed.
- PI 513386 donor id: CS-8604. origin: United States. pedigree: Tamcot Sp-21S//LDA-77/Lankart 3840. other id: GP-322. group: CSR-COTTON. remarks: Plants compact, determinate, short season type. Blooming rapid. Maturity early. Bolls medium to large. Storm resistant. Breeding Material. Seed.
- PI 513387 donor id: CS-8605. origin: United States. pedigree: Tamcot Sp-21S//LDA-77/Lankart 3840. other id: GP-323. group: CSR-COTTON. remarks: Plants compact, determinate, short season type. Blooming rapid. Maturity early. Bolls medium to large. Storm resistant. Breeding Material. Seed.
- PI 513388 donor id: CS-8606. origin: United States. pedigree: Tamcot Sp-21S/1209-619. other id: GP-324. group: CSR-COTTON. remarks: Plants compact, determinate, short season type. Blooming rapid. Maturity early. Bolls medium to large. Storm resistant. Breeding Material. Seed.
- PI 513389 donor id: CS-8607. origin: United States. pedigree: Gregg/Fox 4//Lankart 3840///EMW/Lankart 57. other id: GP-325. group: CSR-COTTON. remarks: Plants compact, determinate, short season type. Blooming rapid. Maturity early. Bolls medium to large. Storm resistant. Breeding Material. Seed.
- PI 513390 donor id: CS-8608. origin: United States. pedigree: DSR 6-19/CA998//NM-g541. other id: GP-326. group: CSR-COTTON. remarks: Plants compact. Fruiting rapid (Suitable for stripper harvest). Glandless. Breeding Material. Seed.
- PI 513391 donor id: CS-8609. origin: United States. pedigree: DSR 6-19/CA998//Lankart Glandless. other id: GP-327. group: CSR-COTTON. remarks: Plants compact. Fruiting rapid (Suitable for stripper harvest). Glandless. Breeding Material. Seed.
- PI 513392 donor id: CS-8610. origin: United States. pedigree: 1209-619-7/NM-gl301. other id: GP-328. group: CSR-COTTON. remarks: Plants compact. Fruiting rapid (Suitable for stripper harvest). Glandless. Breeding Material. Seed.

PI 513383 to 513396-continued

PI 513393 **donor id:** CS-8611. **origin:** United States. **pedigree:** 1209-619-7/NM-gl301. **other id:** GP-329. **group:** CSR-COTTON. **remarks:** Plants compact. Fruiting rapid (Suitable for stripper harvest). Glandless. Breeding Material. Seed.

PI 513394 **donor id:** CS-8612. **origin:** United States. **pedigree:** PD-9232//77-3840/21-17-6. **other id:** GP-330. **group:** CSR-COTTON. **remarks:** Maturity early. Plants compact. Fiber strength improved. Breeding Material. Seed.

PI 513395 **donor id:** CS-8613. **origin:** United States. **pedigree:** PD-0109//77-3840/21-17-6. **other id:** GP-331. **group:** CSR-COTTON. **remarks:** Maturity early. Plants compact. Fiber strength improved. Breeding Material. Seed.

PI 513396 **donor id:** CS-8614. **origin:** United States. **pedigree:** FJA-347//77-3840/21-17-6. **other id:** GP-332. **group:** CSR-COTTON. **remarks:** Maturity early. Plants compact. Fiber strength improved. Breeding Material. Seed.

PI 513397 to 513897. *Sorghum bicolor* (L.) Moench POACEAE Sorghum

Donated by: Sequier, J., O.R.S.T.O.M., Niger; and Borgel, A., O.R.S.T.O.M., Niger. **remarks:** Received through IBPGR, Rome, Italy. Received October 27, 1976.

PI 513397 **donor id:** Sg. 2047. **origin:** Niger. **local name:** Gaberi Boul. **collector id:** NR 01. **other id:** NSL 169231. **locality:** Ngaroua Koura village. **remarks:** Race Durra x Caudatum x Guinea. Cultivated. Seed.

PI 513398 **donor id:** Sg. 2048. **origin:** Niger. **local name:** Gaberi Kime. **collector id:** NR 02. **other id:** NSL 168863. **locality:** Ngaroua Koura village. **remarks:** Race Caudatum x Guinea. Cultivated. Seed.

PI 513399 **donor id:** Sg. 2049. **origin:** Niger. **local name:** Taanda. **collector id:** NR 03. **other id:** NSL 168864. **locality:** Ngaroua Koura village. **remarks:** Race Guinea x Caudatum. Cultivated. Seed.

PI 513400 **donor id:** Sg. 2050. **origin:** Niger. **local name:** Gaberi Boul. **collector id:** NR 04. **other id:** NSL 168951. **locality:** Bosso village. **remarks:** Race Durra-Durra x Caudatum. Cultivated. Seed.

PI 513401 **donor id:** Sg. 2051. **origin:** Niger. **local name:** Gaberi Kime. **collector id:** NR 05. **other id:** NSL 168952. **locality:** Bosso village. **remarks:** Race Durra x Caudatum. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513402 donor id: Sg. 2052. origin: Niger. local name: Nassartiako. collector id: NR 06. other id: NSL 168953. locality: Baroua village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513403 donor id: Sg. 2053. origin: Niger. local name: Maindamari. collector id: NR 07. other id: NSL 168954. locality: Baroua village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513404 donor id: Sg. 2054. origin: Niger. local name: Gaberi Boul. collector id: NR 08. other id: NSL 168955. locality: Baroua village. remarks: Race Durra-Durra x Caudatum. Cultivated. Seed.
- PI 513405 donor id: Sg. 2055. origin: Niger. local name: Gaberi Kime. collector id: NR 09. other id: NSL 168865. locality: Baroua village. remarks: Race Caudatum-Caudatum x Guinea. Cultivated. Seed.
- PI 513406 donor id: Sg. 2056. origin: Niger. local name: Gaberi Kime. collector id: NR 10. other id: NSL 168804. locality: Ouidi village. remarks: Race Caudatum. Cultivated. Seed.
- PI 513407 donor id: Sg. 2057. origin: Niger. local name: Dedeuni Bafouna. collector id: NR 11. other id: NSL 168956. locality: Ouidi village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513408 donor id: Sg. 2058. origin: Niger. local name: Gaberi Boul. collector id: NR 12. other id: NSL 168957. locality: Ouidi village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513409 donor id: Sg. 2059. origin: Niger. local name: Massaitchiako. collector id: NR 13. other id: NSL 168958. locality: Ouidi village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513410 donor id: Sg. 2060. origin: Niger. local name: Morguil. collector id: NR 14. other id: NSL 168959. locality: Ouidi village. remarks: Race Durra-Durra x Caudatum. Cultivated. Seed.
- PI 513411 donor id: Sg. 2061. origin: Niger. local name: Doungoya. collector id: NR 15. other id: NSL 168960. locality: Kabelawa village. remarks: Race Durra x Caudatum. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513412 donor id: Sg. 2062. origin: Niger. local name: Doungoya. collector id: NR 16. other id: NSL 168961. locality: Boudoum village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513413 donor id: Sg. 2063. origin: Niger. local name: Gaberi Boul. collector id: NR 17. other id: NSL 168866. locality: Boudoum village. remarks: Race Caudatum-Caudatum x Guinea. Cultivated. Seed.
- PI 513414 donor id: Sg. 2064. origin: Niger. local name: Gaberi Boul. collector id: NR 18. other id: NSL 168867. locality: Garoua village. remarks: Race Caudatum-Caudatum x Guinea. Cultivated. Seed.
- PI 513415 donor id: Sg. 2065. origin: Niger. local name: Doungoya. collector id: NR 19. other id: NSL 168962. locality: Garoua village. remarks: Race Durra x Cuadatum. Cultivated. Seed.
- PI 513416 donor id: Sg. 2066. origin: Niger. local name: Gaberi Boul. collector id: NR 20. other id: NSL 168868. locality: Kelekam village. remarks: Race Caudatum x Guinea. Cultivated. Seed.
- PI 513417 donor id: Sg. 2067. origin: Niger. local name: Gaberi Kime. collector id: NR 21. other id: NSL 168869. locality: Kelekam village. remarks: Race Caudatum-Caudatum x Guinea. Cultivated. Seed.
- PI 513418 donor id: Sg. 2068. origin: Niger. local name: Doungoya. collector id: NR 22. other id: NSL 168963. locality: Kelekam village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513419 donor id: Sg. 2069. origin: Niger. local name: Feronmogoyam. collector id: NR 23. other id: NSL 169298. locality: Bouti village. Cultivated. Seed.
- PI 513420 donor id: Sg. 2070. origin: Niger. local name: Dawi. collector id: NR 24. other id: NSL 168964. locality: Bouti village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513421 donor id: Sg. 2072. origin: Niger. local name: Falla. collector id: NR 26. other id: NSL 168965. locality: Kilakina village. remarks: Race Durra x Caudatum. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513422 donor id: Sg. 2073. origin: Niger. local name: Bazanga. collector id: NR 27. other id: NSL 168966. locality: Kilakina village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513423 donor id: Sg. 2074. origin: Niger. local name: Tankore. collector id: NR 28. other id: NSL 168967. locality: Kilakina village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513424 donor id: Sg. 2075. origin: Niger. local name: Dawi. collector id: NR 29. other id: NSL 168968. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513425 donor id: Sg. 2076. origin: Niger. local name: Lalla. collector id: NR 30. other id: NSL 168969. locality: Sisy. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513426 donor id: Sg. 2077. origin: Niger. local name: Lalla. collector id: NR 31. other id: NSL 168970. locality: Adoumchi village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513427 donor id: Sg. 2078. origin: Niger. local name: Gaberi Boul. collector id: NR 32. other id: NSL 168971. locality: Adoumchi village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513428 donor id: Sg. 2079. origin: Niger. local name: Dawi. collector id: NR 33. other id: NSL 168972. locality: Adoumchi village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513429 donor id: Sg. 2080. origin: Niger. local name: Lalla. collector id: NR 34. other id: NSL 168973. locality: Kargerri village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513430 donor id: Sg. 2081. origin: Niger. local name: Babadia. collector id: NR 35. other id: NSL 168974. locality: Kargerri village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513431 donor id: Sg. 2082. origin: Niger. local name: Moundji. collector id: NR 36. other id: NSL 168975. locality: Kargerri village. remarks: Race Durra x Caudatum. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513432 donor id: Sg. 2083. origin: Niger. local name: Kaoura. collector id: NR 37. other id: NSL 168976. locality: Kargerri village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513433 donor id: Sg. 2084. origin: Niger. local name: Idonkourtia. collector id: NR 38. other id: NSL 168977. locality: Kargerri village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513434 donor id: Sg. 2085. origin: Niger. local name: Katchabo. collector id: NR 40. other id: NSL 168978. locality: Garwa village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513435 donor id: Sg. 2086. origin: Niger. local name: Boulbade. collector id: NR 41. other id: NSL 168870. locality: Garwa village. remarks: Race Guinea x Caudatum. Cultivated. Seed.
- PI 513436 donor id: Sg. 2087. origin: Niger. local name: Lalla. collector id: NR 42. other id: NSL 168979. locality: Garwa village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513437 donor id: Sg. 2089. origin: Niger. local name: Lalla. collector id: NR 44. other id: NSL 169980. locality: Kojimiri village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513438 donor id: Sg. 2090. origin: Niger. local name: Kourimitcholoum. collector id: NR 45. other id: NSL 167314. locality: Cheri village. remarks: Race Durra. Cultivated. Seed.
- PI 513439 donor id: Sg. 2091. origin: Niger. local name: Lalla. collector id: NR 46. other id: NSL 169232. locality: Cheri village. remarks: Race Durra x Caudatum x Guinea. Cultivated. Seed.
- PI 513440 donor id: Sg. 2092. origin: Niger. local name: Gaberi Boul. collector id: NR 47. other id: NSL 168981. locality: Adebour village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513441 donor id: Sg. 2093. origin: Niger. local name: Bia Guero. collector id: NR 48. other id: NSL 168982. locality: Termini village. remarks: Race Durra x Caudatum. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513442 donor id: Sg. 2094. origin: Niger. local name: Badadia.
collector id: NR 49. other id: NSL 168983. locality:
Termini village. remarks: Race Durra x Caudatum.
Cultivated. Seed.
- PI 513443 donor id: Sg. 2095. origin: Niger. local name: Takanda.
collector id: NR 50. other id: NSL 168984. locality:
Termini village. remarks: Race Durra x Caudatum.
Cultivated. Seed.
- PI 513444 donor id: Sg. 2096. origin: Niger. local name: Babadia.
collector id: NR 51. other id: NSL 168985. locality:
Takieta village. remarks: Race Durra x Caudatum.
Cultivated. Seed.
- PI 513445 donor id: Sg. 2097. origin: Niger. local name: Kaoura.
collector id: NR 52. other id: NSL 167315. locality:
Takieta village. remarks: Race Durra. Cultivated.
Seed.
- PI 513446 donor id: Sg. 2098. origin: Niger. local name: Ja.
collector id: NR 53. other id: NSL 168986. locality:
Takieta village. remarks: Race Durra x Caudatum.
Cultivated. Seed.
- PI 513447 donor id: Sg. 2099. origin: Niger. local name: Kierma.
collector id: NR 54. other id: NSL 167819. locality:
Takieta village. remarks: Race Guinea. Cultivated.
Seed.
- PI 513448 donor id: Sg. 2101. origin: Niger. local name: Babadia.
collector id: NR 56. other id: NSL 168987. locality:
Matameye village. remarks: Race Durra x Caudatum.
Cultivated. Seed.
- PI 513449 donor id: Sg. 2102. origin: Niger. local name: Babadia
Fara. collector id: NR 57. other id: NSL 168988.
locality: Sassoumbouroum village. remarks: Race Durra x
Caudatum. Cultivated. Seed.
- PI 513450 donor id: Sg. 2103. origin: Niger. local name: Babadia.
collector id: NR 58. other id: NSL 168989. locality:
Sassoumbouroum village. remarks: Race Durra x Caudatum.
Cultivated. Seed.
- PI 513451 donor id: Sg. 2104. origin: Niger. local name: Farfara.
collector id: NR 59. other id: NSL 168871. locality:
Sassoumbouroum village. remarks: Race Caudatum-Caudatum
x Guinea. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513452 donor id: Sg. 2106. origin: Niger. local name: El Mimaji. collector id: NR 61. other id: NSL 168990. locality: Samyel Kade village. remarks: Race Durra-Durra x Caudatum. Cultivated. Seed.
- PI 513453 donor id: Sg. 2107. origin: Niger. local name: Del Labi. collector id: NR 62. other id: NSL 168991. locality: Samyel Kade village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513454 donor id: Sg. 2108. origin: Niger. local name: Babadia. collector id: NR 63. other id: NSL 168992. locality: Samyel Kade village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513455 donor id: Sg. 2109. origin: Niger. local name: Biliri Fouta. collector id: NR 64. other id: NSL 168993. locality: Samyel Kade village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513456 donor id: Sg. 2110. origin: Niger. local name: Babadia. collector id: NR 65. other id: NSL 168994. locality: Angoal Gamdji village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513457 donor id: Sg. 2111. origin: Niger. local name: Babadia. collector id: NR 66. other id: NSL 168995. locality: Angoal Gamdji village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513458 donor id: Sg. 2112. origin: Niger. local name: Biliri Fouta. collector id: NR 67. other id: NSL 168996. locality: Angoal Gamji village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513459 donor id: Sg. 2113. origin: Niger. local name: Babadia. collector id: NR 68. other id: NSL 168997. locality: Roubenji village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513460 donor id: Sg. 2114. origin: Niger. local name: El Mimaji. collector id: NR 69. other id: NSL 168998. locality: Roubenji village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513461 donor id: Sg. 2115. origin: Niger. local name: Babadia Ja. collector id: NR 70. other id: NSL 168999. locality: Ouatcha village. remarks: Race Durra x Caudatum. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513462 donor id: Sg. 2116. origin: Niger. local name: Del Guede. collector id: NR 71. other id: NSL 169000. locality: Ouatcha village. remarks: Race Durra-Durra x Caudatum. Cultivated. Seed.
- PI 513463 donor id: Sg. 2117. origin: Niger. local name: Babadia Fara. collector id: NR 72. other id: NSL 169001. locality: Ouatcha village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513464 donor id: Sg. 2118. origin: Niger. local name: Karkaras. collector id: NR 73. other id: NSL 169299. locality: Ouatcha village. Cultivated. Seed.
- PI 513465 donor id: Sg. 2119. origin: Niger. local name: Tagazani. collector id: NR 74. other id: NSL 169002. locality: Hamdara village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513466 donor id: Sg. 2120. origin: Niger. local name: Koumtchimzomou. collector id: NR 75. other id: NSL 169003. locality: Hamdara village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513467 donor id: Sg. 2121. origin: Niger. local name: Lalla. collector id: NR 76. other id: NSL 169004. locality: Hamdara village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513468 donor id: Sg. 2122. origin: Niger. local name: Fara Dawa. collector id: NR 77. other id: NSL 169005. locality: Hamdara village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513469 donor id: Sg. 2123. origin: Niger. local name: Lalla. collector id: NR 78. other id: NSL 169006. locality: Mirya village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513470 donor id: Sg. 2124. origin: Niger. local name: Koutsoumzoumo. collector id: NR 79. other id: NSL 169007. locality: Mirya village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513471 donor id: Sg. 2125. origin: Niger. local name: Elmalambala. collector id: NR 80. other id: NSL 169008. locality: Mirya village. remarks: Race Durra x Caudatum. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513472 donor id: Sg. 2126. origin: Niger. local name: Fara Dawa. collector id: NR 81. other id: NSL 169009. locality: Mirya village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513473 donor id: Sg. 2127. origin: Niger. local name: Babadia. collector id: NR 82. other id: NSL 169010. locality: Mirya village. remarks: Race Durra-Durra x Caudatum. Cultivated. Seed.
- PI 513474 donor id: Sg. 2128. origin: Niger. local name: Mouji. collector id: NR 83. other id: NSL 168872. locality: Guidiguir village. remarks: Race Caudatum x Guinea. Cultivated. Seed.
- PI 513475 donor id: Sg. 2129. origin: Niger. local name: Fara Dawa. collector id: NR 84. other id: NSL 167316. locality: Guidiguir village. remarks: Race Durra. Cultivated. Seed.
- PI 513476 donor id: Sg. 2130. origin: Niger. local name: Ja Dawa. collector id: NR 85. other id: NSL 169011. locality: Guidiguir village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513477 donor id: Sg. 2131. origin: Niger. local name: Lalla. collector id: NR 86. other id: NSL 169012. locality: Guidiguir village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513478 donor id: Sg. 2132. origin: Niger. local name: Keram. collector id: NR 87. other id: NSL 167820. locality: Guidiguir village. remarks: Race Guinea. Cultivated. Seed.
- PI 513479 donor id: Sg. 2133. origin: Niger. local name: Kirkir. collector id: NR 88. other id: NSL 169013. locality: Guidiguir village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513480 donor id: Sg. 2134. origin: Niger. local name: Jenjari. collector id: NR 89. other id: NSL 168873. locality: Guidiguir village. remarks: Race Caudatum-Caudatum x Guinea. Cultivated. Seed.
- PI 513481 donor id: Sg. 2135. origin: Niger. local name: Koumtchimzoumo. collector id: NR 90. other id: NSL 169014. locality: Gazabale village. remarks: Race Durra x Caudatum. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513482 donor id: Sg. 2136. origin: Niger. local name: Lalla. collector id: NR 91. other id: NSL 167317. locality: Gazabale village. remarks: Race Durra. Cultivated. Seed.
- PI 513483 donor id: Sg. 2137. origin: Niger. local name: Farfara. collector id: NR 92. other id: NSL 169015. locality: Gazabale village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513484 donor id: Sg. 2138. origin: Niger. local name: Tankore. collector id: NR 93. other id: NSL 169016. locality: Gazabale village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513485 donor id: Sg. 2139. origin: Niger. local name: Lalla. collector id: NR 94. other id: NSL 169017. locality: Gamdou village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513486 donor id: Sg. 2140. origin: Niger. local name: Temakemi. collector id: NR 95. other id: NSL 169018. locality: Gamdou village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513487 donor id: Sg. 2141. origin: Niger. local name: Towno. collector id: NR 96. other id: NSL 169019. locality: Gamdou village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513488 donor id: Sg. 2142. origin: Niger. local name: Labameram. collector id: NR 97. other id: NSL 169020. locality: Dougouri Badap village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513489 donor id: Sg. 2143. origin: Niger. local name: Rougouso. collector id: NR 98. other id: NSL 169021. locality: Dougouri Badap village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513490 donor id: Sg. 2146. origin: Niger. local name: Babadia. collector id: NR 101. other id: NSL 169022. locality: Malawa village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513491 donor id: Sg. 2147. origin: Niger. local name: Del Abouba. collector id: NR 102. other id: NSL 169023. locality: Malawa village. remarks: Race Durra x Caudatum. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513492 donor id: Sg. 2148. origin: Niger. local name: Kaoura. collector id: NR 103. other id: NSL 169024. locality: Malawa village. remarks: Race Durra-Durra x Caudatum. Cultivated. Seed.
- PI 513493 donor id: Sg. 2149. origin: Niger. local name: Babadia Fara. collector id: NR 104. other id: NSL 167318. locality: Dungass village. remarks: Race Durra. Cultivated. Seed.
- PI 513494 donor id: Sg. 2150. origin: Niger. local name: Farfara. collector id: NR 105. other id: NSL 169025. locality: Dungass village. remarks: Race Durra-Durra x Caudatum. Cultivated. Seed.
- PI 513495 donor id: Sg. 2151. origin: Niger. local name: Babadia Ja. collector id: NR 106. other id: NSL 169026. locality: Dungass village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513496 donor id: Sg. 2152. origin: Niger. local name: Babadia. collector id: NR 107. other id: NSL 169027. locality: Dan Tyao village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513497 donor id: Sg. 2153. origin: Niger. local name: Farfara. collector id: NR 108. other id: NSL 169028. locality: Dan Tyao village. remarks: Race Durra-Durra x Caudatum. Cultivated. Seed.
- PI 513498 donor id: Sg. 2154. origin: Niger. local name: Kaoura. collector id: NR 109. other id: NSL 168874. locality: Dan Tyao village. remarks: Race Caudatum x Guinea. Cultivated. Seed.
- PI 513499 donor id: Sg. 2155. origin: Niger. local name: Babadia. collector id: NR 110. other id: NSL 169029. locality: Mekoiri village. remarks: Race Durra-Durra x Caudatum. Cultivated. Seed.
- PI 513500 donor id: Sg. 2156. origin: Niger. local name: Babadia. collector id: NR 111. other id: NSL 169030. locality: Mekoiri village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513501 donor id: Sg. 2157. origin: Niger. local name: Lalla. collector id: NR 112. other id: NSL 169031. locality: Dogo village. remarks: Race Durra x Caudatum. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513502 donor id: Sg. 2158. origin: Niger. local name: Farfara. collector id: NR 113. other id: NSL 167319. locality: Dogo village. remarks: Race Durra. Cultivated. Seed.
- PI 513503 donor id: Sg. 2159. origin: Niger. local name: Ferononguene. collector id: NR 114. other id: NSL 169032. locality: Karamba village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513504 donor id: Sg. 2160. origin: Niger. local name: Lalla. collector id: NR 115. other id: NSL 169300. locality: Karamba village. remarks: Race Durra x Caudatum x Guinea. Cultivated. Seed.
- PI 513505 donor id: Sg. 2161. origin: Niger. local name: A Kouelle. collector id: NR 116. other id: NSL 169033. locality: Doutoufouk village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513506 donor id: Sg. 2162. origin: Niger. local name: Tagazani. collector id: NR 117. other id: NSL 169034. locality: Doutoufouk village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513507 donor id: Sg. 2163. origin: Niger. local name: El Kachawa. collector id: NR 118. other id: NSL 169035. locality: Sabongari Janroua village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513508 donor id: Sg. 2164. origin: Niger. local name: Babadia. collector id: NR 119. other id: NSL 169036. locality: Sabongari Janroua village. remarks: Race Durra x Caudatum-Durra x Caudatum x Guinea. Cultivated. Seed.
- PI 513509 donor id: Sg. 2165. origin: Niger. local name: Koumtchimzomou. collector id: NR 120. other id: NSL 169037. locality: Sabongari Janroua village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513510 donor id: Sg. 2166. origin: Niger. local name: Babadia. collector id: NR 121. other id: NSL 169038. locality: Sabongari Janroua village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513511 donor id: Sg. 2167. origin: Niger. local name: Tagazani. collector id: NR 122. other id: NSL 169039. locality: Sabongari Janroua village. remarks: Race Durra x Caudatum. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513512 donor id: Sg. 2168. origin: Niger. local name: Takanda Kambiri. collector id: NR 123. other id: NSL 169040. locality: Sabongari Janroua village. remarks: Race Durra x Caudatum x Guinea-Durra x Caudatum. Cultivated. Seed.
- PI 513513 donor id: Sg. 2169. origin: Niger. local name: Makafo Daouayo. collector id: NR 124. other id: NSL 169233. locality: Sabongari Janroua village. remarks: Race Guinea x Durra x Caudatum. Cultivated. Seed.
- PI 513514 donor id: Sg. 2171. origin: Niger. local name: Lalla. collector id: NR 126. other id: NSL 169041. locality: Baboulwa village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513515 donor id: Sg. 2172. origin: Niger. local name: Babadia. collector id: NR 127. other id: NSL 169042. locality: Baboulwa village. remarks: Race Durra-Durra x Caudatum. Cultivated. Seed.
- PI 513516 donor id: Sg. 2173. origin: Niger. local name: Mota. collector id: NR 128. other id: NSL 169043. locality: Baboulwa village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513517 donor id: Sg. 2174. origin: Niger. local name: Babadia. collector id: NR 129. other id: NSL 169044. locality: Baboulwa village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513518 donor id: Sg. 2175. origin: Niger. local name: Lalla. collector id: NR 130. other id: NSL 169045. locality: Guezawa village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513519 donor id: Sg. 2176. origin: Niger. local name: Babadia. collector id: NR 131. other id: NSL 169046. locality: Guezawa village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513520 donor id: Sg. 2177. origin: Niger. local name: Babadia. collector id: NR 132. other id: NSL 169047. locality: Guezawa village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513521 donor id: Sg. 2178. origin: Niger. local name: Babadia. collector id: NR 133. other id: NSL 169048. locality: Sabonkafi village. remarks: Race Caudatum x Durra. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513522 donor id: Sg. 2179. origin: Niger. local name: Zoumboutou Jimouna. collector id: NR 134. other id: NSL 167320. locality: Sabonkafi village. remarks: Race Durra. Cultivated. Seed.
- PI 513523 donor id: Sg. 2180. origin: Niger. local name: Lalla. collector id: NR 135. other id: NSL 169049. locality: Sabonkafi village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513524 donor id: Sg. 2181. origin: Niger. local name: Lalla. collector id: NR 136. other id: NSL 169050. locality: Sabonkafi village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513525 donor id: Sg. 2182. origin: Niger. local name: Takanda. collector id: NR 137. other id: NSL 169051. locality: Sabonkafi village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513526 donor id: Sg. 2183. origin: Niger. local name: Babadia. collector id: NR 138. other id: NSL 169052. locality: Gangara village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513527 donor id: Sg. 2184. origin: Niger. local name: Babadia. collector id: NR 139. other id: NSL 169053. locality: Gangara village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513528 donor id: Sg. 2185. origin: Niger. local name: Mota. collector id: NR 140. other id: NSL 169054. locality: Gangara village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513529 donor id: Sg. 2186. origin: Niger. local name: Ja Toua. collector id: NR 141. other id: NSL 169055. locality: Gangara village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513530 donor id: Sg. 2187. origin: Niger. local name: Babadia. collector id: NR 142. other id: NSL 169056. locality: Samia village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513531 donor id: Sg. 2188. origin: Niger. local name: Mota. collector id: NR 143. other id: NSL 169057. locality: Samia village. remarks: Race Durra x Caudatum. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513532 donor id: Sg. 2191. origin: Niger. local name: Lalla. collector id: NR 146. other id: NSL 169058. locality: Samia village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513533 donor id: Sg. 2192. origin: Niger. local name: Lalla. collector id: NR 147. other id: NSL 169059. locality: Belbeji village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513534 donor id: Sg. 2193. origin: Niger. local name: Babadia. collector id: NR 148. other id: NSL 169060. locality: Belbeji village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513535 donor id: Sg. 2194. origin: Niger. local name: El Bazanga. collector id: NR 149. other id: NSL 169061. locality: Belbeji village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513536 donor id: Sg. 2195. origin: Niger. local name: Babadia. collector id: NR 150. other id: NSL 169062. locality: Belbeji village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513537 donor id: Sg. 2196. origin: Niger. local name: Babadia. collector id: NR 151. other id: NSL 169063. locality: Dan Barko village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513538 donor id: Sg. 2197. origin: Niger. local name: Babadia. collector id: NR 152. other id: NSL 169064. locality: Dan Barko village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513539 donor id: Sg. 2198. origin: Niger. local name: Bogaria. collector id: NR 153. other id: NSL 169065. locality: Yagadji village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513540 donor id: Sg. 2199. origin: Niger. local name: El Bazanga Fara. collector id: NR 154. other id: NSL 169066. locality: Yagadji village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513541 donor id: Sg. 2200. origin: Niger. local name: Eb Bazanga Ja. collector id: NR 155. other id: NSL 169067. locality: Yagadji village. remarks: Race Durra x Caudatum. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513542 donor id: Sg. 2201. origin: Niger. local name: Babadia.
collector id: NR 156. other id: NSL 169068. locality:
Bakari village. remarks: Race Durra x Caudatum.
Cultivated. Seed.
- PI 513543 donor id: Sg. 2202. origin: Niger. local name: Lalla.
collector id: NR 157. other id: NSL 169069. locality:
Bakari village. remarks: Race Durra x Caudatum.
Cultivated. Seed.
- PI 513544 donor id: Sg. 2203. origin: Niger. local name:
Zoumboutou Joumena. collector id: NR 158. other id: NSL
169070. locality: Bakari village. remarks: Race Durra x
Caudatum. Cultivated. Seed.
- PI 513545 donor id: Sg. 2204. origin: Niger. local name: Mota.
collector id: NR 159. other id: NSL 169071. locality:
Bakari village. remarks: Race Durra x Caudatum.
Cultivated. Seed.
- PI 513546 donor id: Sg. 2205. origin: Niger. local name: El
Bazanga. collector id: NR 160. other id: NSL 169072.
locality: Bakari village. remarks: Race Durra x
Caudatum. Cultivated. Seed.
- PI 513547 donor id: Sg. 2206. origin: Niger. local name: Mota.
collector id: NR 161. other id: NSL 169073. locality:
Maradi village. remarks: Race Durra x Caudatum.
Cultivated. Seed.
- PI 513548 donor id: Sg. 2207. origin: Niger. local name: Farfari.
collector id: NR 162. other id: NSL 167321. locality:
Maradi village. remarks: Race Durra. Cultivated. Seed.
- PI 513549 donor id: Sg. 2208. origin: Niger. local name: Edon
Koura. collector id: NR 163. other id: NSL 169074.
locality: Madarounfa village. remarks: Race Durra x
Caudatum. Cultivated. Seed.
- PI 513550 donor id: Sg. 2209. origin: Niger. local name: Da Jawa.
collector id: NR 164. other id: NSL 167322. locality:
Madarounfa village. remarks: Race Durra. Cultivated.
Seed.
- PI 513551 donor id: Sg. 2211. origin: Niger. local name: Dawa
Gouna. collector id: NR 166. other id: NSL 169075.
locality: Madarounfa village. remarks: Race Durra x
Caudatum. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513552 donor id: Sg. 2212. origin: Niger. local name: Edelle.
collector id: NR 167. other id: NSL 168875. locality:
Madarounfa village. remarks: Race Caudatum x Guinea.
Cultivated. Seed.
- PI 513553 donor id: Sg. 2213. origin: Niger. local name: Jenjari.
collector id: NR 168. other id: NSL 169234. locality:
Madarounfa village. remarks: Race Durra x Caudatum x
Guinea. Cultivated. Seed.
- PI 513554 donor id: Sg. 2214. origin: Niger. local name: El
Birni. collector id: NR 169. other id: NSL 169076.
locality: Madarounfa village. remarks: Race Durra x
Caudatum. Cultivated. Seed.
- PI 513555 donor id: Sg. 2215. origin: Niger. local name: Mota.
collector id: NR 170. other id: NSL 168876. locality:
Madarounfa village. remarks: Race Guinea x Caudatum.
Cultivated. Seed.
- PI 513556 donor id: Sg. 2216. origin: Niger. local name: Farfara.
collector id: NR 171. other id: NSL 168877. locality:
Maraka village. remarks: Race Guinea x Caudatum.
Cultivated. Seed.
- PI 513557 donor id: Sg. 2217. origin: Niger. local name: Ja Dawa.
collector id: NR 172. other id: NSL 169077. locality:
Maraka village. remarks: Race Durra x Caudatum.
Cultivated. Seed.
- PI 513558 donor id: Sg. 2218. origin: Niger. local name: El
Matchica. collector id: NR 173. other id: NSL 167323.
locality: Maraka village. remarks: Race Durra.
Cultivated. Seed.
- PI 513559 donor id: Sg. 2219. origin: Niger. local name: Mota.
collector id: NR 174. other id: NSL 169078. locality:
Kouroun Gousa village. remarks: Race Durra x Caudatum.
Cultivated. Seed.
- PI 513560 donor id: Sg. 2220. origin: Niger. local name: Mota.
collector id: NR 175. other id: NSL 169079. locality:
Kouroun Gousa village. remarks: Race Durra x Caudatum.
Cultivated. Seed.
- PI 513561 donor id: Sg. 2221. origin: Niger. local name: Farfara.
collector id: NR 176. other id: NSL 169080. locality:
Kouroun Gousa village. remarks: Race Durra x Caudatum.
Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513562 donor id: Sg. 2223. origin: Niger. local name: Mota. collector id: NR 178. other id: NSL 169081. locality: Kornaka village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513563 donor id: Sg. 2224. origin: Niger. local name: Mota. collector id: NR 179. other id: NSL 169082. locality: Kornaka village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513564 donor id: Sg. 2225. origin: Niger. local name: Mota. collector id: NR 180. other id: NSL 169083. locality: Ajekoria village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513565 donor id: Sg. 2226. origin: Niger. local name: Mota. collector id: NR 181. other id: NSL 169084. locality: Ajekoria village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513566 donor id: Sg. 2227. origin: Niger. local name: Farfara. collector id: NR 182. other id: NSL 169085. locality: Bader village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513567 donor id: Sg. 2228. origin: Niger. local name: Mota. collector id: NR 183. other id: NSL 169086. locality: Bader village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513568 donor id: Sg. 2229. origin: Niger. local name: Sababassata. collector id: NR 184. other id: NSL 169087. locality: May Kerawa village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513569 donor id: Sg. 2230. origin: Niger. local name: Mota. collector id: NR 185. other id: NSL 169088. locality: May Kerawa village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513570 donor id: Sg. 2231. origin: Niger. local name: Fara Dawa. collector id: NR 186. other id: NSL 169089. locality: May Kerawa village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513571 donor id: Sg. 2232. origin: Niger. local name: Mota. collector id: NR 187. other id: NSL 169090. locality: May Kerawa village. remarks: Race Durra x Caudatum. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513572 donor id: Sg. 2233. origin: Niger. local name: Fara Dawa. collector id: NR 188. other id: NSL 169091. locality: May Kerawa village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513573 donor id: Sg. 2234. origin: Niger. local name: Fara Dawa. collector id: NR 189. other id: NSL 169092. locality: May Kielewa village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513574 donor id: Sg. 2235. origin: Niger. local name: Mota. collector id: NR 190. other id: NSL 169093. locality: Litao village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513575 donor id: Sg. 2236. origin: Niger. local name: Mota. collector id: NR 191. other id: NSL 169094. locality: Litao village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513576 donor id: Sg. 2237. origin: Niger. local name: Ja Dawa. collector id: NR 192. other id: NSL 169095. locality: Litao village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513577 donor id: Sg. 2238. origin: Niger. local name: Mota. collector id: NR 193. other id: NSL 169096. locality: Kanan Bakatche village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513578 donor id: Sg. 2239. origin: Niger. local name: Mota. collector id: NR 194. other id: NSL 169097. locality: Kanan Bakatche village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513579 donor id: Sg. 2240. origin: Niger. local name: Fara Dawa. collector id: NR 195. other id: NSL 169098. locality: Kanan Bakatche village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513580 donor id: Sg. 2241. origin: Niger. local name: Fouta Boukou. collector id: NR 196. other id: NSL 167324. locality: Kanan Bakatche village. remarks: Race Durra. Cultivated. Seed.
- PI 513581 donor id: Sg. 2242. origin: Niger. local name: El Keress. collector id: NR 197. other id: NSL 168878. locality: May Gizaawaa village. remarks: Race Caudatum-Caudatum x Guinea. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513582 donor id: Sg. 2243. origin: Niger. local name: El Bazanga. collector id: NR 198. other id: NSL 169099. locality: May Gizaawaa village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513583 donor id: Sg. 2244. origin: Niger. local name: Mota. collector id: NR 199. other id: NSL 169100. locality: May Gizaawaa village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513584 donor id: Sg. 2245. origin: Niger. local name: Fara Dawa. collector id: NR 200. other id: NSL 167325. locality: Garare village. remarks: Race Durra. Cultivated. Seed.
- PI 513585 donor id: Sg. 2246. origin: Niger. local name: El Bazanga. collector id: NR 201. other id: NSL 169101. locality: Garare village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513586 donor id: Sg. 2247. origin: Niger. local name: Bagouaria. collector id: NR 202. other id: NSL 169102. locality: Garare village. remarks: Race Durra-Durra x Caudatum. Cultivated. Seed.
- PI 513587 donor id: Sg. 2248. origin: Niger. local name: Ja Dawa. collector id: NR 203. other id: NSL 169103. locality: May Jirgi village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513588 donor id: Sg. 2249. origin: Niger. local name: Fara Dawa. collector id: NR 204. other id: NSL 169104. locality: May Jirgi village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513589 donor id: Sg. 2250. origin: Niger. local name: El Maguaji. collector id: NR 205. other id: NSL 169105. locality: Gabaouri village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513590 donor id: Sg. 2251. origin: Niger. local name: El Bazanga. collector id: NR 206. other id: NSL 169106. locality: Gabaouri village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513591 donor id: Sg. 2252. origin: Niger. local name: Tankoisso. collector id: NR 207. other id: NSL 169107. locality: Gabaouri village. remarks: Race Durra x Caudatum. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513592 donor id: Sg. 2253. origin: Niger. local name: Ja Babada. collector id: NR 208. other id: NSL 169108. locality: Gabaouri village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513593 donor id: Sg. 2254. origin: Niger. local name: El Bazanga. collector id: NR 209. other id: NSL 169109. locality: Gazaoua village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513594 donor id: Sg. 2255. origin: Niger. local name: Mota. collector id: NR 210. other id: NSL 169110. locality: Gazaoua village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513595 donor id: Sg. 2256. origin: Niger. local name: Bagouaria. collector id: NR 211. other id: NSL 169111. locality: Gazaoua village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513596 donor id: Sg. 2257. origin: Niger. local name: El Keress. collector id: NR 212. other id: NSL 168879. locality: Gazaoua village. remarks: Race Caudatum x Guinea. Cultivated. Seed.
- PI 513597 donor id: Sg. 2258. origin: Niger. local name: Mota. collector id: NR 213. other id: NSL 169112. locality: Dambaraoua Korin village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513598 donor id: Sg. 2259. origin: Niger. local name: Mota. collector id: NR 214. other id: NSL 168805. locality: Dambaraoua Korin village. remarks: Race Caudatum. Cultivated. Seed.
- PI 513599 donor id: Sg. 2260. origin: Niger. local name: Ja Dawa. collector id: NR 215. other id: NSL 168806. locality: Dambaraoua Korin village. remarks: Race Caudatum. Cultivated. Seed.
- PI 513600 donor id: Sg. 2261. origin: Niger. local name: Fara Dawa. collector id: NR 216. other id: NSL 168880. locality: Dambaraoua Korin village. remarks: Race Caudatum x Guinea. Cultivated. Seed.
- PI 513601 donor id: Sg. 2262. origin: Niger. local name: Tagou Rou Mou. collector id: NR 217. other id: NSL 169113. locality: Dambaraoua Korin village. remarks: Race Durra x Caudatum. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513602 donor id: Sg. 2263. origin: Niger. local name: Kierma. collector id: NR 218. other id: NSL 167821. locality: Dambaraoua Korin village. remarks: Race Guinea. Cultivated. Seed.
- PI 513603 donor id: Sg. 2264. origin: Niger. local name: Sabobassata. collector id: NR 219. other id: NSL 169114. locality: Rwafin Wada village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513604 donor id: Sg. 2265. origin: Niger. local name: El Kouachi. collector id: NR 220. other id: NSL 169115. locality: Rwafin Wada village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513605 donor id: Sg. 2266. origin: Niger. local name: Jenjari. collector id: NR 221. other id: NSL 168807. locality: Rwafin Wada village. remarks: Race Caudatum. Cultivated. Seed.
- PI 513606 donor id: Sg. 2267. origin: Niger. local name: Fara Dawa. collector id: NR 222. other id: NSL 168881. locality: Rwafin Wada village. remarks: Race Caudatum x Guinea. Cultivated. Seed.
- PI 513607 donor id: Sg. 2268. origin: Niger. local name: Tan Tagaria. collector id: NR 223. other id: NSL 167326. locality: Rwafin Wada village. remarks: Race Durra. Cultivated. Seed.
- PI 513608 donor id: Sg. 2269. origin: Niger. local name: El Koutoukoule. collector id: NR 224. other id: NSL 169116. locality: Rwafin Wada village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513609 donor id: Sg. 2270. origin: Niger. local name: Da Jawa. collector id: NR 225. other id: NSL 169117. locality: Dan Doutchi village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513610 donor id: Sg. 2271. origin: Niger. local name: Mota. collector id: NR 226. other id: NSL 168882. locality: Dan Doutchi village. remarks: Race Guinea x Caudatum-Caudatum. Cultivated. Seed.
- PI 513611 donor id: Sg. 2272. origin: Niger. local name: Darza. collector id: NR 227. other id: NSL 169118. locality: Takorka village. remarks: Race Durra x Caudatum. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513612 donor id: Sg. 2274. origin: Niger. local name: Mota. collector id: NR 229. other id: NSL 169119. locality: Kondo village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513613 donor id: Sg. 2275. origin: Niger. local name: Ajobitchi. collector id: NR 230. other id: NSL 168883. locality: Kondo village. remarks: Race Caudatum x Guinea. Cultivated. Seed.
- PI 513614 donor id: Sg. 2276. origin: Niger. local name: Darza. collector id: NR 231. other id: NSL 169120. locality: Kondo village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513615 donor id: Sg. 2277. origin: Niger. local name: Jenjari. collector id: NR 232. other id: NSL 168808. locality: Kondo village. remarks: Race Caudatum. Cultivated. Seed.
- PI 513616 donor id: Sg. 2278. origin: Niger. local name: Ja Dawa. collector id: NR 233. other id: NSL 169121. locality: Mayara village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513617 donor id: Sg. 2279. origin: Niger. local name: El Bazanga. collector id: NR 234. other id: NSL 168809. locality: Mayara village. remarks: Race Caudatum. Cultivated. Seed.
- PI 513618 donor id: Sg. 2280. origin: Niger. local name: Kierma. collector id: NR 235. other id: NSL 167822. locality: Mayara village. remarks: Race Guinea. Cultivated. Seed.
- PI 513619 donor id: Sg. 2281. origin: Niger. local name: Fara Dawa. collector id: NR 236. other id: NSL 167327. locality: Mayara village. remarks: Race Durra. Cultivated. Seed.
- PI 513620 donor id: Sg. 2282. origin: Niger. local name: El Birni. collector id: NR 237. other id: NSL 168884. locality: Maiki village. remarks: Race Guinea x Caudatum. Cultivated. Seed.
- PI 513621 donor id: Sg. 2283. origin: Niger. local name: Darza. collector id: NR 238. other id: NSL 169122. locality: Takanamat village. remarks: Race Durra x Caudatum. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513622 donor id: Sg. 2284. origin: Niger. local name: Tjakar. collector id: NR 239. other id: NSL 169123. locality: Takanamat village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513623 donor id: Sg. 2285. origin: Niger. local name: Edoukoura. collector id: NR 240. other id: NSL 169124. locality: Takanamat village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513624 donor id: Sg. 2286. origin: Niger. local name: Tchianaoul. collector id: NR 241. other id: NSL 167328. locality: Takanamat village. remarks: Race Durra. Cultivated. Seed.
- PI 513625 donor id: Sg. 2287. origin: Niger. local name: Darza. collector id: NR 242. other id: NSL 169125. locality: Afalla village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513626 donor id: Sg. 2288. origin: Niger. local name: Takigani Bouzou. collector id: NR 243. other id: NSL 167329. locality: Afalla village. remarks: Race Durra. Cultivated. Seed.
- PI 513627 donor id: Sg. 2289. origin: Niger. local name: Koutagui. collector id: NR 244. other id: NSL 167330. locality: Afalla village. remarks: Race Durra. Cultivated. Seed.
- PI 513628 donor id: Sg. 2290. origin: Niger. local name: Ajebitchi. collector id: NR 245. other id: NSL 169126. locality: Afalla village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513629 donor id: Sg. 2292. origin: Niger. local name: Jenjari. collector id: NR 247. other id: NSL 168810. locality: Afalla village. remarks: Race Caudatum. Cultivated. Seed.
- PI 513630 donor id: Sg. 2293. origin: Niger. local name: Edoukoura. collector id: NR 248. other id: NSL 169127. locality: Afalla village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513631 donor id: Sg. 2294. origin: Niger. local name: Tjakar. collector id: NR 249. other id: NSL 169128. locality: Taza village. remarks: Race Durra x Caudatum. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513632 donor id: Sg. 2295. origin: Niger. local name: Koutagui. collector id: NR 250. other id: NSL 167331. locality: Taza village. remarks: Race Durra. Cultivated. Seed.
- PI 513633 donor id: Sg. 2296. origin: Niger. local name: Jenjari. collector id: NR 251. other id: NSL 169129. locality: Taza village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513634 donor id: Sg. 2297. origin: Niger. local name: Mota. collector id: NR 252. other id: NSL 168811. locality: Taza village. remarks: Race Caudatum. Cultivated. Seed.
- PI 513635 donor id: Sg. 2298. origin: Niger. local name: Maifaribeuza. collector id: NR 253. other id: NSL 167332. locality: Taza village. remarks: Race Durra. Cultivated. Seed.
- PI 513636 donor id: Sg. 2299. origin: Niger. local name: Takanda. collector id: NR 254. other id: NSL 168885. locality: Taza village. remarks: Race Caudatum x Guinea. Cultivated. Seed.
- PI 513637 donor id: Sg. 2300. origin: Niger. local name: Talabani. collector id: NR 255. other id: NSL 167333. locality: Taza village. remarks: Race Durra. Cultivated. Seed.
- PI 513638 donor id: Sg. 2301. origin: Niger. local name: Jenjari. collector id: NR 256. other id: NSL 168812. locality: Tabalak village. remarks: Race Caudatum. Cultivated. Seed.
- PI 513639 donor id: Sg. 2303. origin: Niger. local name: Bourtou. collector id: NR 258. other id: NSL 167334. locality: Tabalak village. remarks: Race Durra. Cultivated. Seed.
- PI 513640 donor id: Sg. 2304. origin: Niger. local name: Talabani. collector id: NR 259. other id: NSL 169130. locality: Tabalak village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513641 donor id: Sg. 2305. origin: Niger. local name: Ergali. collector id: NR 260. other id: NSL 168886. locality: Kao village. remarks: Race Guinea x Caudatum. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513642 donor id: Sg. 2306. origin: Niger. local name: Koutagui. collector id: NR 261. other id: NSL 167335. locality: Kao village. remarks: Race Durra. Cultivated. Seed.
- PI 513643 donor id: Sg. 2307. origin: Niger. local name: Jenjari. collector id: NR 262. other id: NSL 169131. locality: Kao village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513644 donor id: Sg. 2308. origin: Niger. local name: Ajebitchi. collector id: NR 263. other id: NSL 167336. locality: Kao village. remarks: Race Durra. Cultivated. Seed.
- PI 513645 donor id: Sg. 2309. origin: Niger. local name: Takanda. collector id: NR 264. other id: NSL 168887. locality: Kao village. remarks: Race Caudatum x Guinea. Cultivated. Seed.
- PI 513646 donor id: Sg. 2310. origin: Niger. local name: Darza. collector id: NR 265. other id: NSL 169132. locality: Damfon village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513647 donor id: Sg. 2311. origin: Niger. local name: Fara Dawa. collector id: NR 266. other id: NSL 168888. locality: Damfon village. remarks: Race Caudatum x Guinea. Cultivated. Seed.
- PI 513648 donor id: Sg. 2312. origin: Niger. local name: Bogoba. collector id: NR 267. other id: NSL 169133. locality: Edir village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513649 donor id: Sg. 2313. origin: Niger. local name: Jenjari. collector id: NR 268. other id: NSL 168889. locality: Tebaram village. remarks: Race Caudatum-Caudatum x Guinea. Cultivated. Seed.
- PI 513650 donor id: Sg. 2314. origin: Niger. local name: Fara Dawa. collector id: NR 269. other id: NSL 167337. locality: Tebaram village. remarks: Race Durra. Cultivated. Seed.
- PI 513651 donor id: Sg. 2315. origin: Niger. local name: Fara Dawa. collector id: NR 270. other id: NSL 167338. locality: Bagaroua village. remarks: Race Durra. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513652 donor id: Sg. 2316. origin: Niger. local name: Jenjari.
collector id: NR 271. other id: NSL 169134. locality:
Bagaroua village. remarks: Race Durra x Caudatum.
Cultivated. Seed.
- PI 513653 donor id: Sg. 2317. origin: Niger. local name:
Takiganibouzou. collector id: NR 272. other id: NSL
169135. locality: Bagaroua village. remarks: Race
Caudatum-Caudatum x Durra. Cultivated. Seed.
- PI 513654 donor id: Sg. 2318. origin: Niger. local name: Fara
Dawa. collector id: NR 273. other id: NSL 167339.
locality: Kolambatchi village. remarks: Race Durra.
Cultivated. Seed.
- PI 513655 donor id: Sg. 2319. origin: Niger. local name: Jenjari.
collector id: NR 274. other id: NSL 169136. locality:
Kolambatchi village. remarks: Race Durra x Caudatum.
Cultivated. Seed.
- PI 513656 donor id: Sg. 2320. origin: Niger. local name: Bogoba.
collector id: NR 275. other id: NSL 169137. locality:
Djinguiness village. remarks: Race Durra x Caudatum.
Cultivated. Seed.
- PI 513657 donor id: Sg. 2321. origin: Niger. local name: Bogoba.
collector id: NR 276. other id: NSL 169138. locality:
Geza village. remarks: Race Durra x Caudatum.
Cultivated. Seed.
- PI 513658 donor id: Sg. 2322. origin: Niger. local name: Kaoura.
collector id: NR 277. other id: NSL 169139. locality:
Geza village. remarks: Race Durra x Caudatum.
Cultivated. Seed.
- PI 513659 donor id: Sg. 2323. origin: Niger. collector id: NR
278. other id: NSL 168813. locality: Goumbi Kano
village. remarks: Race Caudatum. Cultivated. Seed.
- PI 513660 donor id: Sg. 2324. origin: Niger. local name: Jenjari.
collector id: NR 279. other id: NSL 168814. locality:
Goumbi Kano village. remarks: Race Caudatum.
Cultivated. Seed.
- PI 513661 donor id: Sg. 2325. origin: Niger. local name: Bogoba.
collector id: NR 280. other id: NSL 169140. locality:
Goumbi Kano village. remarks: Race Durra x Caudatum.
Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513662 donor id: Sg. 2326. origin: Niger. local name: Male.
collector id: NR 281. other id: NSL 167823. locality:
Goumbi Kano village. remarks: Race Guinea. Cultivated.
Seed.
- PI 513663 donor id: Sg. 2327. origin: Niger. local name: Takanda.
collector id: NR 282. other id: NSL 168890. locality:
Goumbi Kano village. remarks: Race Caudatum-Caudatum x
Guinea. Cultivated. Seed.
- PI 513664 donor id: Sg. 2328. origin: Niger. local name: Fara
Dawa. collector id: NR 283. other id: NSL 167340.
locality: Goumbi Kano village. remarks: Race Durra.
Cultivated. Seed.
- PI 513665 donor id: Sg. 2329. origin: Niger. local name: Jenjari.
collector id: NR 284. other id: NSL 168815. locality:
Yaya village. remarks: Race Caudatum. Cultivated.
Seed.
- PI 513666 donor id: Sg. 2330. origin: Niger. local name: Jenjari.
collector id: NR 285. other id: NSL 169141. locality:
Bazaga village. remarks: Race Durra x Caudatum.
Cultivated. Seed.
- PI 513667 donor id: Sg. 2331. origin: Niger. local name:
Talabani. collector id: NR 286. other id: NSL 167341.
locality: Bazaga village. remarks: Race Durra.
Cultivated. Seed.
- PI 513668 donor id: Sg. 2332. origin: Niger. local name: Bogoba.
collector id: NR 287. other id: NSL 169142. locality:
Bazaga village. remarks: Race Durra x Caudatum.
Cultivated. Seed.
- PI 513669 donor id: Sg. 2333. origin: Niger. local name: El
Darara. collector id: NR 288. other id: NSL 168891.
locality: Bazaga village. remarks: Race Guniea x
Caudatum. Cultivated. Seed.
- PI 513670 donor id: Sg. 2334. origin: Niger. local name: El
Bazanga. collector id: NR 289. other id: NSL 167342.
locality: Bazaga village. remarks: Race Durra.
Cultivated. Seed.
- PI 513671 donor id: Sg. 2335. origin: Niger. local name:
Adanidanka. collector id: NR 290. other id: NSL 167343.
locality: Bazaga village. remarks: Race Durra.
Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513672 donor id: Sg. 2336. origin: Niger. local name: Jenjari. collector id: NR 291. other id: NSL 169143. locality: Tsernaoua village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513673 donor id: Sg. 2337. origin: Niger. local name: Talabani. collector id: NR 292. other id: NSL 169144. locality: Tsernaoua village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513674 donor id: Sg. 2338. origin: Niger. local name: Mota. collector id: NR 293. other id: NSL 169145. locality: Tsernaoua village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513675 donor id: Sg. 2339. origin: Niger. local name: Jenjari. collector id: NR 294. other id: NSL 169146. locality: Tsernaoua village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513676 donor id: Sg. 2340. origin: Niger. local name: Matche-Dakomia. collector id: NR 295. other id: NSL 169147. locality: Tsernaoua village. remarks: Race Durra-Durra x Caudatum. Cultivated. Seed.
- PI 513677 donor id: Sg. 2341. origin: Niger. local name: Bogoba. collector id: NR 296. other id: NSL 169148. locality: Tsernaoua village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513678 donor id: Sg. 2342. origin: Niger. local name: Mota. collector id: NR 297. other id: NSL 169149. locality: Tajae village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513679 donor id: Sg. 2344. origin: Niger. local name: Jenjari. collector id: NR 299. other id: NSL 168816. locality: Tajae village. remarks: Race Caudatum. Cultivated. Seed.
- PI 513680 donor id: Sg. 2345. origin: Niger. local name: Matche-Doukoumia. collector id: NR 300. other id: NSL 167344. locality: Tajae village. remarks: Race Durra. Cultivated. Seed.
- PI 513681 donor id: Sg. 2346. origin: Niger. collector id: NR 301. other id: NSL 169150. locality: Tajae village. remarks: Race Durra x Caudatum. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513682 donor id: Sg. 2347. origin: Niger. local name: Bogoba.
collector id: NR 302. other id: NSL 168817. locality:
Tajae village. remarks: Race Caudatum. Cultivated.
Seed.
- PI 513683 donor id: Sg. 2348. origin: Niger. local name: Baoura.
collector id: NR 303. other id: NSL 169151. locality:
Tajae village. remarks: Race Durra x Caudatum.
Cultivated. Seed.
- PI 513684 donor id: Sg. 2349. origin: Niger. local name: Bogoba.
collector id: NR 304. other id: NSL 169152. locality:
Illela village. remarks: Race Durra x Caudatum.
Cultivated. Seed.
- PI 513685 donor id: Sg. 2350. origin: Niger. local name:
Talabani. collector id: NR 305. other id: NSL 168818.
locality: Illela village. remarks: Race Caudatum.
Cultivated. Seed.
- PI 513686 donor id: Sg. 2351. origin: Niger. local name: Jenjari.
collector id: NR 306. other id: NSL 168819. locality:
Illela village. remarks: Race Caudatum. Cultivated.
Seed.
- PI 513687 donor id: Sg. 2352. origin: Niger. local name:
Mailaguie. collector id: NR 307. other id: NSL 169153.
locality: Mogueur village. remarks: Race Durra x
Caudatum. Cultivated. Seed.
- PI 513688 donor id: Sg. 2353. origin: Niger. local name: Darza.
collector id: NR 308. other id: NSL 169154. locality:
Koloma Baba village. remarks: Race Durra x Caudatum.
Cultivated. Seed.
- PI 513689 donor id: Sg. 2354. origin: Niger. local name: Mota.
collector id: NR 309. other id: NSL 168820. locality:
Koloma Baba village. remarks: Race Caudatum.
Cultivated. Seed.
- PI 513690 donor id: Sg. 2355. origin: Niger. local name: Korbiou.
collector id: NR 310. other id: NSL 169155. locality:
Koloma Baba village. remarks: Race Durra x Caudatum.
Cultivated. Seed.
- PI 513691 donor id: Sg. 2356. origin: Niger. local name:
Koutagui. collector id: NR 311. other id: NSL 167345.
locality: Koloma Baba village. remarks: Race Durra.
Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513692 donor id: Sg. 2357. origin: Niger. local name: Jenjari.
collector id: NR 312. other id: NSL 168821. locality:
Koloma Baba village. remarks: Race Caudatum.
Cultivated. Seed.
- PI 513693 donor id: Sg. 2358. origin: Niger. local name: Mota.
collector id: NR 313. other id: NSL 169156. locality:
Tamaske Sabon Gida village. remarks: Race Durra x
Caudatum. Cultivated. Seed.
- PI 513694 donor id: Sg. 2359. origin: Niger. local name: Guere
Bourtou. collector id: NR 314. other id: NSL 167346.
locality: Tamaske Sabon Gida village. remarks: Race
Durra. Cultivated. Seed.
- PI 513695 donor id: Sg. 2360. origin: Niger. local name: Jenjari.
collector id: NR 315. other id: NSL 168822. locality:
Tamaske Sabon Gida village. remarks: Race Caudatum.
Cultivated. Seed.
- PI 513696 donor id: Sg. 2361. origin: Niger. local name: Darza.
collector id: NR 316. other id: NSL 167347. locality:
Tamaske Sabon Gida village. remarks: Race Durra.
Cultivated. Seed.
- PI 513697 donor id: Sg. 2362. origin: Niger. local name:
Talabani. collector id: NR 317. other id: NSL 169157.
locality: Tamaske Sabon Gida village. remarks: Race
Durra x Caudatum. Cultivated. Seed.
- PI 513698 donor id: Sg. 2363. origin: Niger. local name:
Maimahamadou. collector id: NR 318. other id: NSL
168823. locality: Tamaske Sabon Gida village. remarks:
Race Caudatum. Cultivated. Seed.
- PI 513699 donor id: Sg. 2365. origin: Niger. local name:
Koutagui. collector id: NR 320. other id: NSL 167348.
locality: Tamaske Sabon Gida village. remarks: Race
Durra. Cultivated. Seed.
- PI 513700 donor id: Sg. 2366. origin: Niger. local name: Jenjari.
collector id: NR 321. other id: NSL 168824. locality:
Ibohamane village. remarks: Race Caudatum. Cultivated.
Seed.
- PI 513701 donor id: Sg. 2367. origin: Niger. local name:
Ajebitchi. collector id: NR 322. other id: NSL 168892.
locality: Ibohamane village. remarks: Race Guinea x
Caudatum. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513702 donor id: Sg. 2368. origin: Niger. local name: Taferket. collector id: NR 323. other id: NSL 169158. locality: Ibohamane village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513703 donor id: Sg. 2369. origin: Niger. local name: Damboule. collector id: NR 324. other id: NSL 168825. locality: Ibohamane village. remarks: Race Caudatum. Cultivated. Seed.
- PI 513704 donor id: Sg. 2370. origin: Niger. local name: Anafou. collector id: NR 325. other id: NSL 169159. locality: Ibohamane village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513705 donor id: Sg. 2371. origin: Niger. local name: Koutagui. collector id: NR 326. other id: NSL 169160. locality: Ibohamane village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513706 donor id: Sg. 2372. origin: Niger. local name: Mota. collector id: NR 327. other id: NSL 167349. locality: Ibohamane village. remarks: Race Durra. Cultivated. Seed.
- PI 513707 donor id: Sg. 2373. origin: Niger. local name: Mota Ja. collector id: NR 327bis. other id: NSL 169161. locality: Tambayta village. remarks: Race Caudatum x Durra. Cultivated. Seed.
- PI 513708 donor id: Sg. 2374. origin: Niger. local name: Jenjari. collector id: NR 328. other id: NSL 169162. locality: Tambayta village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513709 donor id: Sg. 2375. origin: Niger. local name: Mota Fara. collector id: NR 329. other id: NSL 169163. locality: Tambayta village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513710 donor id: Sg. 2376. origin: Niger. local name: Talabania. collector id: NR 330. other id: NSL 169164. locality: Tambayta village. remarks: Race Durra x Caudatum-Durra x Guinea. Cultivated. Seed.
- PI 513711 donor id: Sg. 2377. origin: Niger. local name: Koutagui. collector id: NR 331. other id: NSL 167350. locality: Tambayta village. remarks: Race Durra. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513712 donor id: Sg. 2378. origin: Niger. local name: Male.
collector id: NR 332. other id: NSL 167824. locality:
Tambayta village. remarks: Race Guinea. Cultivated.
Seed.
- PI 513713 donor id: Sg. 2379. origin: Niger. local name: Tagaza.
collector id: NR 333. other id: NSL 168826. locality:
Tambayta village. remarks: Race Caudatum. Cultivated.
Seed.
- PI 513714 donor id: Sg. 2380. origin: Niger. local name:
Ajebitchi. collector id: NR 334. other id: NSL 168893.
locality: Tambayta village. remarks: Race Guinea x
Caudatum. Cultivated. Seed.
- PI 513715 donor id: Sg. 2381. origin: Niger. local name: Tagou
Rou Mou. collector id: NR 335. other id: NSL 167351.
locality: Tambayta village. remarks: Race Durra.
Cultivated. Seed.
- PI 513716 donor id: Sg. 2382. origin: Niger. local name: Mota.
collector id: NR 336. other id: NSL 169165. locality:
Korohane village. remarks: Race Durra-Durra x Caudatum.
Cultivated. Seed.
- PI 513717 donor id: Sg. 2383. origin: Niger. local name: Mota.
collector id: NR 337. other id: NSL 168827. locality:
Korohane village. remarks: Race Caudatum. Cultivated.
Seed.
- PI 513718 donor id: Sg. 2384. origin: Niger. local name:
Ajebitchi. collector id: NR 338. other id: NSL 168894.
locality: Korohane village. remarks: Race Guinea x
Caudatum. Cultivated. Seed.
- PI 513719 donor id: Sg. 2385. origin: Niger. local name:
Ajebitchi. collector id: NR 339. other id: NSL 168895.
locality: Karofane village. remarks: Race Guinea x
Caudatum. Cultivated. Seed.
- PI 513720 donor id: Sg. 2386. origin: Niger. local name: Tagaza.
collector id: NR 340. other id: NSL 168828. locality:
Karofane village. remarks: Race Caudatum. Cultivated.
Seed.
- PI 513721 donor id: Sg. 2387. origin: Niger. local name: Jenjari.
collector id: NR 341. other id: NSL 168829. locality:
Karofane village. remarks: Race Caudatum. Cultivated.
Seed.

PI 513397 to 513897-continued

- PI 513722 donor id: Sg. 2388. origin: Niger. local name: Mota. collector id: NR 342. other id: NSL 169235. locality: Karofane village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513723 donor id: Sg. 2389. origin: Niger. local name: Koutagui. collector id: NR 343. other id: NSL 167352. locality: Karofane village. remarks: Race Durra. Cultivated. Seed.
- PI 513724 donor id: Sg. 2390. origin: Niger. local name: Jenjari. collector id: NR 344. other id: NSL 168830. locality: Deoule village. remarks: Race Caudatum. Cultivated. Seed.
- PI 513725 donor id: Sg. 2391. origin: Niger. local name: Talabani. collector id: NR 345. other id: NSL 169166. locality: Deoule village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513726 donor id: Sg. 2392. origin: Niger. local name: Darza. collector id: NR 346. other id: NSL 169167. locality: Deoule village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513727 donor id: Sg. 2393. origin: Niger. local name: Tagaza. collector id: NR 347. other id: NSL 168831. locality: Deoule village. remarks: Race Caudatum. Cultivated. Seed.
- PI 513728 donor id: Sg. 2394. origin: Niger. local name: Mota. collector id: NR 348. other id: NSL 169168. locality: Deoule village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513729 donor id: Sg. 2395. origin: Niger. local name: Tagou Rou Mou. collector id: NR 349. other id: NSL 169169. locality: Deoule village. remarks: Race Durra-Durra x Caudatum. Cultivated. Seed.
- PI 513730 donor id: Sg. 2396. origin: Niger. local name: Koutagui. collector id: NR 350. other id: NSL 167353. locality: Deoule village. remarks: Race Durra. Cultivated. Seed.
- PI 513731 donor id: Sg. 2397. origin: Niger. local name: Akouia. collector id: NR 351. other id: NSL 168896. locality: Deoule village. remarks: Race Caudatum x Guinea. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513732 donor id: Sg. 2398. origin: Niger. local name: Mota. collector id: NR 352. other id: NSL 169170. locality: Arzerori village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513733 donor id: Sg. 2399. origin: Niger. local name: Talabani. collector id: NR 353. other id: NSL 169171. locality: Arzerori village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513734 donor id: Sg. 2400. origin: Niger. local name: Takaraji. collector id: NR 354. other id: NSL 168832. locality: Arzerori village. remarks: Race Caudatum. Cultivated. Seed.
- PI 513735 donor id: Sg. 2401. origin: Niger. local name: Ajebitchi. collector id: NR 355. other id: NSL 168833. locality: Arzerori village. remarks: Race Caudatum. Cultivated. Seed.
- PI 513736 donor id: Sg. 2402. origin: Niger. local name: Jenjari. collector id: NR 356. other id: NSL 168834. locality: Arzerori village. remarks: Race Caudatum. Cultivated. Seed.
- PI 513737 donor id: Sg. 2403. origin: Niger. local name: Jenjari. collector id: NR 357. other id: NSL 168835. locality: Dogueraoua village. remarks: Race Caudatum. Cultivated. Seed.
- PI 513738 donor id: Sg. 2404. origin: Niger. local name: Bogoba. collector id: NR 358. other id: NSL 167354. locality: Dogueraoua village. remarks: Race Durra. Cultivated. Seed.
- PI 513739 donor id: Sg. 2405. origin: Niger. local name: Talabani. collector id: NR 359. other id: NSL 169172. locality: Dogueraoua village. remarks: Race Durra x Caudatum-Caudatum. Cultivated. Seed.
- PI 513740 donor id: Sg. 2406. origin: Niger. local name: Matchedoukoumia. collector id: NR 360. other id: NSL 167355. locality: Dogueraoua village. remarks: Race Durra. Cultivated. Seed.
- PI 513741 donor id: Sg. 2407. origin: Niger. local name: Tchakorare. collector id: NR 361. other id: NSL 168836. locality: Dogueraoua village. remarks: Race Caudatum. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513742 donor id: Sg. 2408. origin: Niger. local name: Mourmoure. collector id: NR 362. other id: NSL 168837. locality: Dogueraoua village. remarks: Race Caudatum. Cultivated. Seed.
- PI 513743 donor id: Sg. 2410. origin: Niger. local name: Jenjari. collector id: NR 364. other id: NSL 168838. locality: Dogueraoua village. remarks: Race Caudatum. Cultivated. Seed.
- PI 513744 donor id: Sg. 2411. origin: Niger. local name: Mota. collector id: NR 365. other id: NSL 168839. locality: Dogueraoua village. remarks: Race Caudatum. Cultivated. Seed.
- PI 513745 donor id: Sg. 2412. origin: Niger. local name: Mota. collector id: NR 366. other id: NSL 168840. locality: Dogueraoua village. remarks: Race Caudatum. Cultivated. Seed.
- PI 513746 donor id: Sg. 2413. origin: Niger. local name: Jenjari. collector id: NR 367. other id: NSL 168841. locality: Dogueraoua village. remarks: Race Caudatum. Cultivated. Seed.
- PI 513747 donor id: Sg. 2414. origin: Niger. local name: Jenjari. collector id: NR 368. other id: NSL 168842. locality: Guidam-Magagi village. remarks: Race Caudatum. Cultivated. Seed.
- PI 513748 donor id: Sg. 2415. origin: Niger. local name: Talabani. collector id: NR 369. other id: NSL 169236. locality: Guidam-Magagi village. remarks: Race Durra x Caudatum x Guinea. Cultivated. Seed.
- PI 513749 donor id: Sg. 2416. origin: Niger. local name: Jenjari. collector id: NR 370. other id: NSL 168843. locality: Guidam-Magagi village. remarks: Race Caudatum. Cultivated. Seed.
- PI 513750 donor id: Sg. 2418. origin: Niger. local name: Bogoba. collector id: NR 372. other id: NSL 169173. locality: Guidam-Magagi village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513751 donor id: Sg. 2419. origin: Niger. local name: Takambo. collector id: NR 373. other id: NSL 169237. locality: Guidam-Magagi village. remarks: Race Durra x Guinea x Caudatum. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513752 donor id: Sg. 2420. origin: Niger. local name: Doum Boula. collector id: NR 374. other id: NSL 167356. locality: Guidam-Magagi village. remarks: Race Durra. Cultivated. Seed.
- PI 513753 donor id: Sg. 2421. origin: Niger. local name: Korbi. collector id: NR 375. other id: NSL 167357. locality: Guidam-Magagi village. remarks: Race Durra. Cultivated. Seed.
- PI 513754 donor id: Sg. 2422. origin: Niger. local name: Kambarbada. collector id: NR 376. other id: NSL 167358. locality: Guidam-Magagi village. remarks: Race Durra. Cultivated. Seed.
- PI 513755 donor id: Sg. 2423. origin: Niger. local name: Sokombe. collector id: NR 377. other id: NSL 168844. locality: Moko village. remarks: Race Caudatum. Cultivated. Seed.
- PI 513756 donor id: Sg. 2424. origin: Niger. local name: Jenjari. collector id: NR 378. other id: NSL 169174. locality: Moko village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513757 donor id: Sg. 2425. origin: Niger. local name: Dosso Koubou. collector id: NR 379. other id: NSL 168845. locality: Moko village. remarks: Race Caudatum. Cultivated. Seed.
- PI 513758 donor id: Sg. 2426. origin: Niger. local name: Kelorou. collector id: NR 380. other id: NSL 167825. locality: Moko village. remarks: Race Guinea. Cultivated. Seed.
- PI 513759 donor id: Sg. 2427. origin: Niger. local name: Hamoubonchiro. collector id: NR 381. other id: NSL 169175. locality: Moko village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513760 donor id: Sg. 2428. origin: Niger. local name: Sikombe. collector id: NR 382. other id: NSL 168897. locality: Loga village. remarks: Race Guinea x Caudatum. Cultivated. Seed.
- PI 513761 donor id: Sg. 2430. origin: Niger. local name: Goungouma. collector id: NR 384. other id: NSL 169176. locality: Loga village. remarks: Race Durra x Caudatum. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513762 donor id: Sg. 2431. origin: Niger. local name: Amokiore. collector id: NR 385. other id: NSL 169177. locality: Loga village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513763 donor id: Sg. 2432. origin: Niger. local name: Amokiore. collector id: NR 386. other id: NSL 169238. locality: Yeni village. remarks: Race Durra x Guinea x Caudatum. Cultivated. Seed.
- PI 513764 donor id: Sg. 2433. origin: Niger. local name: Amokiore. collector id: NR 387. other id: NSL 169178. locality: Yeni village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513765 donor id: Sg. 2434. origin: Niger. local name: Sokombe. collector id: NR 388. other id: NSL 167826. locality: Yeni village. remarks: Race Guinea. Cultivated. Seed.
- PI 513766 donor id: Sg. 2435. origin: Niger. local name: Dosso Koubou. collector id: NR 389. other id: NSL 168898. locality: Margou village. remarks: Race Guinea x Caudatum. Cultivated. Seed.
- PI 513767 donor id: Sg. 2436. origin: Niger. local name: Sokombe. collector id: NR 390. other id: NSL 167827. locality: Margou village. remarks: Race Guinea. Cultivated. Seed.
- PI 513768 donor id: Sg. 2437. origin: Niger. local name: Sokombe. collector id: NR 391. other id: NSL 168899. locality: Margou village. remarks: Race Guinea x Caudatum. Cultivated. Seed.
- PI 513769 donor id: Sg. 2438. origin: Niger. local name: Sokombe. collector id: NR 392. other id: NSL 168900. locality: Beylande village. remarks: Race Guinea x Caudatum. Cultivated. Seed.
- PI 513770 donor id: Sg. 2439. origin: Niger. local name: Sokombe. collector id: NR 393. other id: NSL 168901. locality: Beylande village. remarks: Race Guinea-Guinea x Caudatum. Cultivated. Seed.
- PI 513771 donor id: Sg. 2440. origin: Niger. local name: Sokombe. collector id: NR 394. other id: NSL 167828. locality: Kotaki village. remarks: Race Guinea. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513772 donor id: Sg. 2441. origin: Niger. local name: Moloko. collector id: NR 395. other id: NSL 169258. locality: Koulou village. remarks: Race Durra x Guinea. Cultivated. Seed.
- PI 513773 donor id: Sg. 2442. origin: Niger. local name: Koussou Bagou. collector id: NR 396. other id: NSL 169179. locality: Koulou village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513774 donor id: Sg. 2443. origin: Niger. local name: Malounka. collector id: NR 397. other id: NSL 169259. locality: Tenda village. remarks: Race Durra x Guinea. Cultivated. Seed.
- PI 513775 donor id: Sg. 2444. origin: Niger. local name: Malam Fari. collector id: NR 398. other id: NSL 169240. locality: Tenda village. remarks: Race Durra x Caudatum x Guinea. Cultivated. Seed.
- PI 513776 donor id: Sg. 2445. origin: Niger. local name: Saga. collector id: NR 399. other id: NSL 169260. locality: Tenda village. remarks: Race Durra x Guinea. Cultivated. Seed.
- PI 513777 donor id: Sg. 2446. origin: Niger. local name: Koussou Bagou. collector id: NR 400. other id: NSL 169241. locality: Tenda village. remarks: Race Durra x Guinea x Caudatum. Cultivated. Seed.
- PI 513778 donor id: Sg. 2447. origin: Niger. local name: Akouie. collector id: NR 401. other id: NSL 168902. locality: Tenda village. remarks: Race Guinea x Caudatum. Cultivated. Seed.
- PI 513779 donor id: Sg. 2448. origin: Niger. local name: Koussou Bagou. collector id: NR 402. other id: NSL 169261. locality: Bangou village. remarks: Race Durra x Guinea. Cultivated. Seed.
- PI 513780 donor id: Sg. 2449. origin: Niger. local name: Farfara. collector id: NR 403. other id: NSL 169262. locality: Bangou village. remarks: Race Durra x Guinea. Cultivated. Seed.
- PI 513781 donor id: Sg. 2450. origin: Niger. local name: Namejin Dawada. collector id: NR 404. other id: NSL 169242. locality: Bangou village. remarks: Race Durra x Guinea x Caudatum. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513782 donor id: Sg. 2451. origin: Niger. local name: Matche Dawada. collector id: NR 405. other id: NSL 169243. locality: Bangou village. remarks: Race Durra x Guinea x Caudatum. Cultivated. Seed.
- PI 513783 donor id: Sg. 2452. origin: Niger. local name: Abankoro. collector id: NR 406. other id: NSL 168903. locality: Bangou village. remarks: Race Guinea x Caudatum. Cultivated. Seed.
- PI 513784 donor id: Sg. 2453. origin: Niger. local name: Maloka. collector id: NR 407. other id: NSL 169263. locality: Bangou village. remarks: Race Durra x Guinea. Cultivated. Seed.
- PI 513785 donor id: Sg. 2454. origin: Niger. local name: Male. collector id: NR 408. other id: NSL 168904. locality: Yelou village. remarks: Race Guinea x Caudatum. Cultivated. Seed.
- PI 513786 donor id: Sg. 2455. origin: Niger. local name: Koussou Bagou. collector id: NR 409. other id: NSL 169264. locality: Yelou village. remarks: Race Durra x Guinea. Cultivated. Seed.
- PI 513787 donor id: Sg. 2456. origin: Niger. local name: Maloka. collector id: NR 410. other id: NSL 168905. locality: Yelou village. remarks: Race Guinea x Caudatum. Cultivated. Seed.
- PI 513788 donor id: Sg. 2457. origin: Niger. local name: Karama Male. collector id: NR 411. other id: NSL 169265. locality: Yelou village. remarks: Race Guinea-Durra x Guinea. Cultivated. Seed.
- PI 513789 donor id: Sg. 2458. origin: Niger. local name: Farfara. collector id: NR 412. other id: NSL 169244. locality: Yelou village. remarks: Race Durra x Guinea x Caudatum. Cultivated. Seed.
- PI 513790 donor id: Sg. 2459. origin: Niger. local name: Akouie. collector id: NR 413. other id: NSL 169266. locality: Yelou village. remarks: Race Durra x Guinea. Cultivated. Seed.
- PI 513791 donor id: Sg. 2460. origin: Niger. local name: Male Goinja. collector id: NR 414. other id: NSL 168906. locality: Dioundou village. remarks: Race Caudatum x Guinea. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513792 donor id: Sg. 2461. origin: Niger. local name: El Darara. collector id: NR 415. other id: NSL 169301. locality: Dioundou village. Cultivated. Seed.
- PI 513793 donor id: Sg. 2462. origin: Niger. local name: Male Ja. collector id: NR 416. other id: NSL 168907. locality: Dioundou village. remarks: Race Guinea x Caudatum. Cultivated. Seed.
- PI 513794 donor id: Sg. 2463. origin: Niger. local name: Makaodoayo. collector id: NR 417. other id: NSL 169180. locality: Lido village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513795 donor id: Sg. 2464. origin: Niger. local name: Tankara Maiguida. collector id: NR 418. other id: NSL 168908. locality: Lido village. remarks: Race Guinea x Caudatum. Cultivated. Seed.
- PI 513796 donor id: Sg. 2465. origin: Niger. local name: Bogoba. collector id: NR 419. other id: NSL 169181. locality: Lido village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513797 donor id: Sg. 2466. origin: Niger. local name: Tantagaria. collector id: NR 420. other id: NSL 168909. locality: Lido village. remarks: Race Guinea x Caudatum. Cultivated. Seed.
- PI 513798 donor id: Sg. 2467. origin: Niger. local name: Dawa Ja. collector id: NR 421. other id: NSL 169182. locality: Lido village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513799 donor id: Sg. 2468. origin: Niger. local name: Male. collector id: NR 422. other id: NSL 167829. locality: Lido village. remarks: Race Guinea. Cultivated. Seed.
- PI 513800 donor id: Sg. 2469. origin: Niger. local name: Male Mezai. collector id: NR 423. other id: NSL 167830. locality: Lido village. remarks: Race Guinea. Cultivated. Seed.
- PI 513801 donor id: Sg. 2470. origin: Niger. local name: Fara Dawa. collector id: NR 424. other id: NSL 168910. locality: Tibiri village. remarks: Race Caudatum-Caudatum x Guinea. Cultivated. Seed.
- PI 513802 donor id: Sg. 2471. origin: Niger. local name: Akouie. collector id: NR 425. other id: NSL 168911. locality: Tibiri village. remarks: Race Caudatum x Guinea. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513803 donor id: Sg. 2472. origin: Niger. local name: Bogoba. collector id: NR 426. other id: NSL 169183. locality: Tibiri village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513804 donor id: Sg. 2473. origin: Niger. local name: Male. collector id: NR 427. other id: NSL 167831. locality: Tibiri village. remarks: Race Guinea. Cultivated. Seed.
- PI 513805 donor id: Sg. 2474. origin: Niger. local name: Takossoma. collector id: NR 428. other id: NSL 168912. locality: Tibiri village. remarks: Race Caudatum x Guinea. Cultivated. Seed.
- PI 513806 donor id: Sg. 2475. origin: Niger. local name: Egofa Fara. collector id: NR 429. other id: NSL 168913. locality: Kiese village. remarks: Race Guinea x Caudatum. Cultivated. Seed.
- PI 513807 donor id: Sg. 2476. origin: Niger. local name: Bogoba. collector id: NR 430. other id: NSL 169184. locality: Bagaji village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513808 donor id: Sg. 2477. origin: Niger. local name: Dawa Fara. collector id: NR 431. other id: NSL 168914. locality: Bagaji village. remarks: Race Caudatum x Guinea. Cultivated. Seed.
- PI 513809 donor id: Sg. 2478. origin: Niger. local name: Bogoba. collector id: NR 432. other id: NSL 169185. locality: Dogon Kiria village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513810 donor id: Sg. 2479. origin: Niger. local name: Dawa Ja. collector id: NR 433. other id: NSL 169186. locality: Dogon Kiria village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513811 donor id: Sg. 2480. origin: Niger. local name: Guirazaki. collector id: NR 434. other id: NSL 167359. locality: Dogon Kiria village. remarks: Race Durra. Cultivated. Seed.
- PI 513812 donor id: Sg. 2481. origin: Niger. local name: Dawa Ja. collector id: NR 435. other id: NSL 167360. locality: Toudoum Jaka village. remarks: Race Durra. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513813 donor id: Sg. 2482. origin: Niger. local name: Dawa Fara. collector id: NR 436. other id: NSL 167361. locality: Toudoum Jaka village. remarks: Race Durra. Cultivated. Seed.
- PI 513814 donor id: Sg. 2483. origin: Niger. local name: Bogoba. collector id: NR 437. other id: NSL 169548. locality: Soukougoutane village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513815 donor id: Sg. 2484. origin: Niger. local name: Dawa Fara. collector id: NR 438. other id: NSL 167362. locality: Soukougoutane village. remarks: Race Durra. Cultivated. Seed.
- PI 513816 donor id: Sg. 2485. origin: Niger. local name: Kaikega Nichanou. collector id: NR 439. other id: NSL 168915. locality: Soukougoutane village. remarks: Race Caudatum x Guinea. Cultivated. Seed.
- PI 513817 donor id: Sg. 2486. origin: Niger. local name: Jenjari. collector id: NR 440. other id: NSL 169187. locality: Soukougoutane village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513818 donor id: Sg. 2487. origin: Niger. local name: Talankoiche. collector id: NR 441. other id: NSL 168846. locality: Soukougoutane village. remarks: Race Caudatum. Cultivated. Seed.
- PI 513819 donor id: Sg. 2488. origin: Niger. local name: Talankoiche. collector id: NR 442. other id: NSL 168847. locality: Soukougoutane village. remarks: Race Caudatum. Cultivated. Seed.
- PI 513820 donor id: Sg. 2489. origin: Niger. local name: Kaikega Nichanou. collector id: NR 443. other id: NSL 168916. locality: Kolmay village. remarks: Race Caudatum x Guinea. Cultivated. Seed.
- PI 513821 donor id: Sg. 2490. origin: Niger. local name: Jenjari. collector id: NR 444. other id: NSL 167363. locality: Kolmay village. remarks: Race Durra. Cultivated. Seed.
- PI 513822 donor id: Sg. 2491. origin: Niger. local name: Sokombe. collector id: NR 445. other id: NSL 167832. locality: Madalayze village. remarks: Race Guinea. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513823 donor id: Sg. 2492. origin: Niger. local name: Amokoire. collector id: NR 446. other id: NSL 169245. locality: Madalayze village. remarks: Race Durra x Guinea x Caudatum. Cultivated. Seed.
- PI 513824 donor id: Sg. 2493. origin: Niger. local name: Sokombe. collector id: NR 447. other id: NSL 168917. locality: Falouel village. remarks: Race Caudatum x Guinea. Cultivated. Seed.
- PI 513825 donor id: Sg. 2494. origin: Niger. local name: Goungouma. collector id: NR 448. other id: NSL 169188. locality: Falouel village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513826 donor id: Sg. 2495. origin: Niger. local name: Sokombe. collector id: NR 449. other id: NSL 167833. locality: Kikoudou Koara village. remarks: Race Guinea. Cultivated. Seed.
- PI 513827 donor id: Sg. 2496. origin: Niger. local name: Amokoire. collector id: NR 450. other id: NSL 168918. locality: Kikoudou Koara village. remarks: Race Caudatum-Guinea x Caudatum. Cultivated. Seed.
- PI 513828 donor id: Sg. 2497. origin: Niger. local name: Sokombe. collector id: NR 451. other id: NSL 167834. locality: Coquieze Koara village. remarks: Race Guinea. Cultivated. Seed.
- PI 513829 donor id: Sg. 2498. origin: Niger. local name: Amokoire. collector id: NR 452. other id: NSL 168919. locality: Coquieze Koara village. remarks: Race Caudatum x Guinea. Cultivated. Seed.
- PI 513830 donor id: Sg. 2499. origin: Niger. local name: Nandakoubei. collector id: NR 453. other id: NSL 168848. locality: Baleyara village. remarks: Race Caudatum. Cultivated. Seed.
- PI 513831 donor id: Sg. 2500. origin: Niger. local name: Amokoire. collector id: NR 454. other id: NSL 167364. locality: Baleyara village. remarks: Race Durra. Cultivated. Seed.
- PI 513832 donor id: Sg. 2501. origin: Niger. local name: Amokoire. collector id: NR 455. other id: NSL 168849. locality: Baleyara village. remarks: Race Caudatum. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513833 donor id: Sg. 2502. origin: Niger. local name: Abora.
collector id: NR 456. other id: NSL 167365. locality:
Bonkoukou village. remarks: Race Durra. Cultivated.
Seed.
- PI 513834 donor id: Sg. 2503. origin: Niger. local name: Dawa Ja.
collector id: NR 457. other id: NSL 169189. locality:
Tounfaliz village. remarks: Race Durra x Caudatum.
Cultivated. Seed.
- PI 513835 donor id: Sg. 2504. origin: Niger. local name: Bogoba.
collector id: NR 458. other id: NSL 169190. locality:
Tounfaliz village. remarks: Race Durra x Caudatum.
Cultivated. Seed.
- PI 513836 donor id: Sg. 2505. origin: Niger. local name: Dawa.
collector id: NR 459. other id: NSL 168850. locality:
Dinkildimi village. remarks: Race Caudatum. Cultivated.
Seed.
- PI 513837 donor id: Sg. 2506. origin: Niger. local name: Takanda.
collector id: NR 460. other id: NSL 168920. locality:
Rouafi village. remarks: Race Caudatum x Guinea.
Cultivated. Seed.
- PI 513838 donor id: Sg. 2507. origin: Niger. local name: Dawa
Fara. collector id: NR 461. other id: NSL 167366.
locality: Rouafi village. remarks: Race Durra.
Cultivated. Seed.
- PI 513839 donor id: Sg. 2508. origin: Niger. local name: Bogoba.
collector id: NR 462. other id: NSL 169246. locality:
Rouafi village. remarks: Race Caudatum x Guinea-Durra x
Caudatum. Cultivated. Seed.
- PI 513840 donor id: Sg. 2511. origin: Niger. local name: Takanda.
collector id: NR 465. other id: NSL 168921. locality:
Sanam village. remarks: Race Guinea x Caudatum.
Cultivated. Seed.
- PI 513841 donor id: Sg. 2512. origin: Niger. local name: Dawa
Fara. collector id: NR 466. other id: NSL 169267.
locality: Abarey village. remarks: Race Durra x Guinea.
Cultivated. Seed.
- PI 513842 donor id: Sg. 2515. origin: Niger. local name: Jenjari.
collector id: NR 469. other id: NSL 167367. locality:
Abarey village. remarks: Race Durra. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513843 donor id: Sg. 2517. origin: Niger. local name: Dawa Ja. collector id: NR 470. other id: NSL 167368. locality: Chim Berkaouane village. remarks: Race Durra. Cultivated. Seed.
- PI 513844 donor id: Sg. 2518. origin: Niger. local name: Dawa Fara. collector id: NR 471. other id: NSL 168922. locality: Chim Berkaouane village. remarks: Race Guinea x Caudatum. Cultivated. Seed.
- PI 513845 donor id: Sg. 2519. origin: Niger. local name: Dawa Fara. collector id: NR 472. other id: NSL 168923. locality: Abala village. remarks: Race Guinea x Caudatum. Cultivated. Seed.
- PI 513846 donor id: Sg. 2522. origin: Niger. local name: Amo Koire. collector id: NR 475. other id: NSL 167369. locality: Banimate village. remarks: Race Durra. Cultivated. Seed.
- PI 513847 donor id: Sg. 2523. origin: Niger. local name: Amo Koire. collector id: NR 476. other id: NSL 167370. locality: Banimate village. remarks: Race Durra. Cultivated. Seed.
- PI 513848 donor id: Sg. 2525. origin: Niger. local name: Amo Koire. collector id: NR 478. other id: NSL 167371. locality: Diginasa village. remarks: Race Durra. Cultivated. Seed.
- PI 513849 donor id: Sg. 2526. origin: Niger. local name: Amo Koire. collector id: NR 479. other id: NSL 167372. locality: Diginasa village. remarks: Race Durra. Cultivated. Seed.
- PI 513850 donor id: Sg. 2528. origin: Niger. local name: Amo Kan. collector id: NR 481. other id: NSL 168924. locality: Diginasa village. remarks: Race Guinea x Caudatum. Cultivated. Seed.
- PI 513851 donor id: Sg. 2529. origin: Niger. local name: Amo Koire. collector id: NR 482. other id: NSL 167373. locality: Tondi-Diwindi village. remarks: Race Durra. Cultivated. Seed.
- PI 513852 donor id: Sg. 2530. origin: Niger. local name: Amo Kan. collector id: NR 483. other id: NSL 168925. locality: Tondi-Diwindi village. remarks: Race Guinea x Caudatum. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513853 donor id: Sg. 2531. origin: Niger. local name: Amo Koire. collector id: NR 484. other id: NSL 167374. locality: Tondi-Diwindi village. remarks: Race Durra. Cultivated. Seed.
- PI 513854 donor id: Sg. 2532. origin: Niger. local name: Amo Koire. collector id: NR 485. other id: NSL 167375. locality: Arikire village. remarks: Race Durra. Cultivated. Seed.
- PI 513855 donor id: Sg. 2533. origin: Niger. local name: Amo Koire. collector id: NR 486. other id: NSL 169268. locality: Arikire village. remarks: Race Durra x Guinea. Cultivated. Seed.
- PI 513856 donor id: Sg. 2535. origin: Niger. local name: Tantagaria. collector id: NR 488. other id: NSL 169191. locality: Barakan village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513857 donor id: Sg. 2536. origin: Niger. local name: Amo Kan. collector id: NR 489. other id: NSL 168926. locality: Barakan village. remarks: Race Guinea x Caudatum. Cultivated. Seed.
- PI 513858 donor id: Sg. 2537. origin: Niger. local name: Amo Koire. collector id: NR 490. other id: NSL 167376. locality: Barakan village. remarks: Race Durra. Cultivated. Seed.
- PI 513859 donor id: Sg. 2538. origin: Niger. local name: Amo Koire. collector id: NR 491. other id: NSL 167377. locality: Barakan village. remarks: Race Durra. Cultivated. Seed.
- PI 513860 donor id: Sg. 2540. origin: Niger. local name: Amo Koire. collector id: NR 493. other id: NSL 167378. locality: Karatedji village. remarks: Race Durra. Cultivated. Seed.
- PI 513861 donor id: Sg. 2541. origin: Niger. local name: Gourmalonda. collector id: NR 494. other id: NSL 169192. locality: Karatedji village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513862 donor id: Sg. 2542. origin: Niger. local name: Amo Koire. collector id: NR 495. other id: NSL 167379. locality: Tondia village. remarks: Race Durra. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513863 donor id: Sg. 2543. origin: Niger. local name: Amo Koire. collector id: NR 496. other id: NSL 167380. locality: Tondia village. remarks: Race Durra. Cultivated. Seed.
- PI 513864 donor id: Sg. 2544. origin: Niger. local name: Amo Koire. collector id: NR 497. other id: NSL 167381. locality: Elawayen village. remarks: Race Durra. Cultivated. Seed.
- PI 513865 donor id: Sg. 2545. origin: Niger. local name: Amo Koire. collector id: NR 498. other id: NSL 167382. locality: Tomkous village. remarks: Race Durra. Cultivated. Seed.
- PI 513866 donor id: Sg. 2546. origin: Niger. local name: Amo Kan. collector id: NR 499. other id: NSL 168927. locality: Simiri village. remarks: Race Guinea x Caudatum. Cultivated. Seed.
- PI 513867 donor id: Sg. 2547. origin: Niger. local name: Sokombe. collector id: NR 500. other id: NSL 168928. locality: Kone Beri village. remarks: Race Caudatum x Guinea. Cultivated. Seed.
- PI 513868 donor id: Sg. 2548. origin: Niger. local name: Amo Koire. collector id: NR 501. other id: NSL 167383. locality: Karma village. remarks: Race Durra. Cultivated. Seed.
- PI 513869 donor id: Sg. 2549. origin: Niger. local name: Amo Koire. collector id: NR 502. other id: NSL 167384. locality: Karma village. remarks: Race Durra. Cultivated. Seed.
- PI 513870 donor id: Sg. 2550. origin: Niger. local name: Amo Koire. collector id: NR 503. other id: NSL 169193. locality: Kakassi village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513871 donor id: Sg. 2551. origin: Niger. local name: Amo Koire. collector id: NR 504. other id: NSL 167385. locality: Kakassi village. remarks: Race Durra. Cultivated. Seed.
- PI 513872 donor id: Sg. 2552. origin: Niger. local name: Sokombe. collector id: NR 505. other id: NSL 167836. locality: Kakassi village. remarks: Race Guinea. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513873 donor id: Sg. 2553. origin: Niger. local name: Amo Koire. collector id: NR 506. other id: NSL 167386. locality: Bandio village. remarks: Race Durra. Cultivated. Seed.
- PI 513874 donor id: Sg. 2554. origin: Niger. local name: Sokombe. collector id: NR 507. other id: NSL 167837. locality: Bandio village. remarks: Race Guinea. Cultivated. Seed.
- PI 513875 donor id: Sg. 2555. origin: Niger. local name: Amo Koire. collector id: NR 508. other id: NSL 168929. locality: Bandio village. remarks: Race Guinea x Caudatum. Cultivated. Seed.
- PI 513876 donor id: Sg. 2556. origin: Niger. local name: Kani Bia. collector id: NR 509. other id: NSL 168930. locality: Bandio village. remarks: Race Caudatum x Guinea. Cultivated. Seed.
- PI 513877 donor id: Sg. 2557. origin: Niger. local name: Yolobou. collector id: NR 510. other id: NSL 168931. locality: Bandio village. remarks: Race Caudatum x Guinea. Cultivated. Seed.
- PI 513878 donor id: Sg. 2558. origin: Niger. local name: Magague. collector id: NR 511. other id: NSL 169247. locality: Taka village. remarks: Race Durra x Caudatum-Caudatum x Guinea. Cultivated. Seed.
- PI 513879 donor id: Sg. 2559. origin: Niger. local name: Babado. collector id: NR 512. other id: NSL 168932. locality: Taka village. remarks: Race Guinea x Caudatum. Cultivated. Seed.
- PI 513880 donor id: Sg. 2560. origin: Niger. local name: Amo Koire. collector id: NR 513. other id: NSL 167387. locality: Kokoro village. remarks: Race Durra. Cultivated. Seed.
- PI 513881 donor id: Sg. 2562. origin: Niger. local name: Amo Kana. collector id: NR 515. other id: NSL 168933. locality: Kokoro village. remarks: Race Guinea x Caudatum. Cultivated. Seed.
- PI 513882 donor id: Sg. 2563. origin: Niger. local name: Sokombe. collector id: NR 516. other id: NSL 167838. locality: Kokoro village. remarks: Race Guinea. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513883 donor id: Sg. 2564. origin: Niger. local name: Abora Mamala. collector id: NR 517. other id: NSL 167388. locality: Bankilare village. remarks: Race Durra. Cultivated. Seed.
- PI 513884 donor id: Sg. 2566. origin: Niger. local name: Amo Koire. collector id: NR 519. other id: NSL 167389. locality: Wanzerbe village. remarks: Race Durra. Cultivated. Seed.
- PI 513885 donor id: Sg. 2567. origin: Niger. local name: Amo Koire. collector id: NR 520. other id: NSL 167390. locality: Wanzerbe village. remarks: Race Durra. Cultivated. Seed.
- PI 513886 donor id: Sg. 2568. origin: Niger. local name: Amokoire. collector id: NR 521. other id: NSL 169194. locality: Manda village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513887 donor id: Sg. 2569. origin: Niger. local name: Amokoire. collector id: NR 522. other id: NSL 169269. locality: Manda village. remarks: Race Durra-Durra x Guinea. Cultivated. Seed.
- PI 513888 donor id: Sg. 2570. origin: Niger. local name: Amo Kana. collector id: NR 523. other id: NSL 168934. locality: Manda village. remarks: Race Caudatum x Guinea. Cultivated. Seed.
- PI 513889 donor id: Sg. 2571. origin: Niger. local name: Amo Koire. collector id: NR 524. other id: NSL 167391. locality: Foneko village. remarks: Race Durra. Cultivated. Seed.
- PI 513890 donor id: Sg. 2572. origin: Niger. local name: Amo Koire. collector id: NR 525. other id: NSL 167392. locality: Foneko village. remarks: Race Durra. Cultivated. Seed.
- PI 513891 donor id: Sg. 2573. origin: Niger. local name: Gongonare. collector id: NR 526. other id: NSL 169195. locality: Niagoumare village. remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513892 donor id: Sg. 2574. origin: Niger. local name: Sokombe. collector id: NR 527. other id: NSL 168935. locality: Niagoumare village. remarks: Race Caudatum x Guinea. Cultivated. Seed.

PI 513397 to 513897-continued

- PI 513893 donor id: Sg. 2575. origin: Niger. local name: Amo Koire. collector id: NR 528. other id: NSL 169248. locality: Sawa village. remarks: Race Caudatum x Durra x Guinea. Cultivated. Seed.
- PI 513894 donor id: Sg. 2576. origin: Niger. local name: Sokombe. collector id: NR 529. other id: NSL 169249. locality: Lomorde-Torodi village. remarks: Race Caudatum x Durra x Guinea. Cultivated. Seed.
- PI 513895 donor id: Sg. 2577. origin: Niger. local name: Cutiri. collector id: NR 530. other id: NSL 168936. locality: Makalondi village. remarks: Race Guinea x Caudatum. Cultivated. Seed.
- PI 513896 donor id: Sg. 2579. origin: Niger. local name: Amo Koire. collector id: NR 532. other id: NSL 168937. locality: Tamou village. remarks: Race Caudatum x Guinea. Cultivated. Seed.
- PI 513897 donor id: Sg. 2580. origin: Niger. local name: Amo Koire. collector id: NR 533. other id: NSL 168938. locality: Tioudawa village. remarks: Race Guinea x Caudatum. Cultivated. Seed.

PI 513898 to 514271. Sorghum bicolor (L.) Moench POACEAE Sorghum

Donated by: Combes, D., O.R.S.T.O.M., Benin; and Niangado, O., O.R.S.T.O.M., Benin. remarks: Received through IBPGR, Rome Italy. Received November 23, 1978.

- PI 513898 donor id: Sg. 3961. origin: Benin. local name: Abokoun Wewe. collector id: 01. other id: NSL 169312. locality: Agbakou village. elevation: 1000-1100m. remarks: Growing season 180 days. Cultivated. Seed.
- PI 513899 donor id: Sg. 3962. origin: Benin. local name: Abokoun Wewe. collector id: 04. other id: NSL 169313. locality: Agbakou village. elevation: 1000-1100m. remarks: Growing season 180 days. Cultivated. Seed.
- PI 513900 donor id: Sg. 3964. origin: Benin. collector id: 07. other id: NSL 169314. locality: Zagnanado village. elevation: 1000-1100m. Cultivated. Seed.
- PI 513901 donor id: Sg. 3965. origin: Benin. collector id: 08. other id: NSL 169315. locality: Zagnanado village. elevation: 1000-1100m. Cultivated. Seed.

PI 513898 to 514271-continued

- PI 513902 donor id: Sg. 3966. origin: Benin. collector id: 09.
other id: NSL 169316. locality: Zagnanado village.
elevation: 1000-1100m. Cultivated. Seed.
- PI 513903 donor id: Sg. 3967. origin: Benin. collector id: 10.
other id: NSL 169317. locality: Don village. elevation:
1000-1100m. Cultivated. Seed.
- PI 513904 donor id: Sg. 3969. origin: Benin. local name: Houan
Lime. collector id: 13. other id: NSL 169222.
locality: Tan village. elevation: 1000-1100m. remarks:
Growing season 90 days. Race Durra x Caudatum.
Cultivated. Seed.
- PI 513905 donor id: Sg. 3973. origin: Benin. local name: Houan
Lime. collector id: 17. other id: NSL 169223.
locality: Tan village. elevation: 1000-1100m. remarks:
Race Durra x Caudatum. Cultivated. Seed.
- PI 513906 donor id: Sg. 3974. origin: Benin. collector id: 19.
other id: NSL 169318. locality: Zinkame village.
elevation: 1000-1100m. remarks: Growing season 180-210
days. Cultivated. Seed.
- PI 513907 donor id: Sg. 3975. origin: Benin. collector id: 20.
other id: NSL 169319. locality: Zinkame village.
elevation: 1000-1100m. remarks: Growing season 180-210
days. Cultivated. Seed.
- PI 513908 donor id: Sg. 3976. origin: Benin. local name: Wowe.
collector id: 21. other id: NSL 169320. locality:
Zinkame village. elevation: 1000-1100m. remarks:
Growing season 180-210 days. Cultivated. Seed.
- PI 513909 donor id: Sg. 3977. origin: Benin. local name: Wowe.
collector id: 22. other id: NSL 169321. locality:
Zinkame village. elevation: 1000-1100m. remarks:
Growing season 180-210 days. Cultivated. Seed.
- PI 513910 donor id: Sg. 3979. origin: Benin. collector id: 26.
other id: NSL 169322. locality: Kasseholo village.
Cultivated. Seed.
- PI 513911 donor id: Sg. 3980. origin: Benin. collector id: 27.
other id: NSL 169323. locality: Paouignan village.
elevation: 1000-1100m. remarks: Growing season 210 days.
Cultivated. Seed.
- PI 513912 donor id: Sg. 3981. origin: Benin. collector id: 28.
other id: NSL 169324. locality: Paouignan village.
elevation: 1000-1100m. remarks: Growing season 210 days.
Cultivated. Seed.

PI 513898 to 514271-continued

- PI 513913 donor id: Sg. 3982. origin: Benin. collector id: 29.
other id: NSL 169325. locality: Paouignan village.
elevation: 1000-1100m. remarks: Growing season 210 days.
Cultivated. Seed.
- PI 513914 donor id: Sg. 3983. origin: Benin. collector id: 30.
other id: NSL 169326. locality: Paouignan village.
elevation: 1000-1100m. remarks: Growing season 210 days.
Cultivated. Seed.
- PI 513915 donor id: Sg. 3984. origin: Benin. local name: Baba
Founfoun. collector id: 31. other id: NSL 168110.
locality: Mahou village. elevation: 1100-1200m.
remarks: Growing season 210 days. Race Guinea.
Cultivated. Seed.
- PI 513916 donor id: Sg. 3985. origin: Benin. local name: Baba
Founfoun. collector id: 32. other id: NSL 168111.
locality: Dogbo village. elevation: 1000-1100m.
remarks: Growing season 180 days. Race Guinea.
Cultivated. Seed.
- PI 513917 donor id: Sg. 3986. origin: Benin. local name: Baba
Founfoun. collector id: 33. other id: NSL 168112.
locality: Dogbo village. elevation: 1000-1100m.
remarks: Growing season 180 days. Race Guinea.
Cultivated. Seed.
- PI 513918 donor id: Sg. 3987. origin: Benin. collector id: 35.
other id: NSL 169327. locality: Boubou village.
elevation: 1100-1200m. remarks: Growing season 180-210
days. Cultivated. Seed.
- PI 513919 donor id: Sg. 3988. origin: Benin. local name: Baba
Kpikpa. collector id: 36. other id: NSL 169328.
locality: Save village. elevation: 1000-1100m. remarks:
Growing season 180-210 days. Cultivated. Seed.
- PI 513920 donor id: Sg. 3989. origin: Benin. local name:
Abo-Wewe. collector id: 37. other id: NSL 169224.
locality: Oke-Owo village. elevation: 1000-1100m.
remarks: Growing season 210 days. Race Durra x Caudatum.
Cultivated. Seed.
- PI 513921 donor id: Sg. 3992. origin: Benin. local name:
Abo-Gaga. collector id: 40. other id: NSL 169225.
locality: Oke-Owo village. elevation: 1000-1100m.
remarks: Race Durra x Caudatum. Cultivated. Seed.
- PI 513922 donor id: Sg. 3994. origin: Benin. collector id: 42.
other id: NSL 169329. locality: Kaboua village.
elevation: 1000-1100m. Cultivated. Seed.

PI 513898 to 514271-continued

- PI 513923 donor id: Sg. 3995. origin: Benin. collector id: 43.
other id: NSL 169330. locality: Idouya village.
elevation: 1100m. Cultivated. Seed.
- PI 513924 donor id: Sg. 3996. origin: Benin. local name:
Abo-wewe. collector id: 44. other id: NSL 169226.
locality: Odougba village. elevation: 1100-1200m.
remarks: Growing season 210 days. Race Durra x Caudatum.
Cultivated. Seed.
- PI 513925 donor id: Sg. 3997. origin: Benin. collector id: 45.
other id: NSL 169331. locality: Ouesse village.
elevation: 1100-1200m. Cultivated. Seed.
- PI 513926 donor id: Sg. 3998. origin: Benin. collector id: 46.
other id: NSL 169332. locality: Tchaourou village.
elevation: 1100-1200m. remarks: Growing season 180 days.
Cultivated. Seed.
- PI 513927 donor id: Sg. 3999. origin: Benin. local name: Dobi.
collector id: 47. other id: NSL 168113. locality:
Tourou village. elevation: 1100-1200m. remarks: Race
Guinea. Cultivated. Seed.
- PI 513928 donor id: Sg. 4000. origin: Benin. local name: Dobi.
collector id: 50. other id: NSL 168114. locality:
Barerou village. elevation: 1100-1200m. remarks:
Growing season 210 days. Race Guinea. Cultivated. Seed.
- PI 513929 donor id: Sg. 4001. origin: Benin. local name: Dobi.
collector id: 51. other id: NSL 168115. locality:
Gbetebou village. elevation: 1200m. remarks: Growing
season 180 days. Race Guinea. Cultivated. Seed.
- PI 513930 donor id: Sg. 4002. origin: Benin. local name: Mla.
collector id: 52. other id: NSL 168116. locality:
Yebessi village. elevation: 1300m. remarks: Race
Guinea. Cultivated. Seed.
- PI 513931 donor id: Sg. 4004. origin: Benin. local name: Dobi
Wounkore. collector id: 56. other id: NSL 168117.
locality: Agrabansou village. elevation: 1200-1300m.
remarks: Growing season 180 days. Race Guinea.
Cultivated. Seed.
- PI 513932 donor id: Sg. 4005. origin: Benin. local name:
Dossanou. collector id: 57. other id: NSL 169333.
locality: Agrabansou village. elevation: 1200-1300m.
remarks: Growing season 210 days. Cultivated. Seed.

PI 513898 to 514271-continued

- PI 513933 donor id: Sg. 4006. origin: Benin. local name: Dossanou. collector id: 58. other id: NSL 169334. locality: Agrabansou village. elevation: 1200-1300m. remarks: Growing season 210 days. Cultivated. Seed.
- PI 513934 donor id: Sg. 4007. origin: Benin. local name: Dossanou. collector id: 59. other id: NSL 169335. locality: Agrabansou village. elevation: 1200-1300m. Cultivated. Seed.
- PI 513935 donor id: Sg. 4008. origin: Benin. local name: Dobi Soen. collector id: 62. other id: NSL 168118. locality: Kika village. elevation: 1100-1200m. remarks: Growing season 240 days. Race Guinea. Cultivated. Seed.
- PI 513936 donor id: Sg. 4009. origin: Benin. local name: Dobi Soen et Bou. collector id: 63. other id: NSL 168119. locality: Binassi village. elevation: 1300m. remarks: Race Guinea. Cultivated. Seed.
- PI 513937 donor id: Sg. 4010. origin: Benin. local name: Dobi. collector id: 65. other id: NSL 168120. locality: Guinagourou village. elevation: 1300m. remarks: Growing season 210 days. Race Guinea. Cultivated. Seed.
- PI 513938 donor id: Sg. 4011. origin: Benin. local name: Dobi. collector id: 66. other id: NSL 168121. locality: Sandilo village. elevation: 1300m. remarks: Race Guinea. Cultivated. Seed.
- PI 513939 donor id: Sg. 4012. origin: Benin. collector id: 67. other id: NSL 169336. locality: Diguidirou village. elevation: 1300m. Cultivated. Seed.
- PI 513940 donor id: Sg. 4013. origin: Benin. local name: Gaouri Bellki. collector id: 70. other id: NSL 169337. locality: Santou village. elevation: 1300m. remarks: Growing season 210 days. Cultivated. Seed.
- PI 513941 donor id: Sg. 4014. origin: Benin. local name: Dobi. collector id: 71. other id: NSL 168122. locality: Tchikandou village. elevation: 1200-1300m. remarks: Growing season 210 days. Race Guinea. Cultivated. Seed.
- PI 513942 donor id: Sg. 4015. origin: Benin. local name: Dobi Piki. collector id: 72. other id: NSL 168123. locality: Tchikandou village. elevation: 1200-1300m. remarks: Growing season 210 days. Race Guinea. Cultivated. Seed.

PI 513898 to 514271-continued

- PI 513943 donor id: Sg. 4016. origin: Benin. local name: Dobi Soarou. collector id: 73. other id: NSL 168124. locality: Tchikandou village. elevation: 1200-1300m. remarks: Growing season 210 days. Race Guinea. Cultivated. Seed.
- PI 513944 donor id: Sg. 4017. origin: Benin. collector id: 77. other id: NSL 169338. locality: Derassi village. Cultivated. Seed.
- PI 513945 donor id: Sg. 4018. origin: Benin. collector id: 78. other id: NSL 169339. locality: Kalale village. Cultivated. Seed.
- PI 513946 donor id: Sg. 4019. origin: Benin. local name: Dobi (pika, Soen, Dan Kaya (drum). collector id: 79. other id: NSL 168125. locality: Bessassi village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 513947 donor id: Sg. 4021. origin: Benin. local name: Esse (Tenan, Poua). collector id: 82. other id: NSL 168126. locality: Basso village. remarks: Growing season 210-240 days. Race Guinea. Cultivated. Seed.
- PI 513948 donor id: Sg. 4022. origin: Benin. collector id: 83. other id: NSL 169340. locality: Gaouenzi village. Cultivated. Seed.
- PI 513949 donor id: Sg. 4023. origin: Benin. collector id: 84. other id: NSL 169341. locality: Gaouenzi village. Cultivated. Seed.
- PI 513950 donor id: Sg. 4025. origin: Benin. collector id: 86. other id: NSL 169342. locality: Kalale village. Cultivated. Seed.
- PI 513951 donor id: Sg. 4027. origin: Benin. collector id: 88. other id: NSL 169343. locality: Nikki Ouenou village. elevation: 1200-1300m. Cultivated. Seed.
- PI 513952 donor id: Sg. 4028. origin: Benin. local name: Tokobessenou. collector id: 89. other id: NSL 168127. locality: Koure villlage. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 513953 donor id: Sg. 4029. origin: Benin. local name: Yerekoun. collector id: 90. other id: NSL 167398. locality: Koure villlage. remarks: Growing season 180 days. Race Durra. Cultivated. Seed.

PI 513898 to 514271-continued

- PI 513954 donor id: Sg. 4030. origin: Benin. local name: Dobi Soarou. collector id: 91. other id: NSL 168128. locality: Bouka-Gando village. remarks: Growing season 180-210 days. Race Guinea. Cultivated. Seed.
- PI 513955 donor id: Sg. 4031. origin: Benin. local name: Maali. collector id: 92. other id: NSL 168129. locality: Bouka-Gando village. remarks: Growing season 180-210 days. Race Guinea. Cultivated. Seed.
- PI 513956 donor id: Sg. 4032. origin: Benin. local name: Maali. collector id: 93. other id: NSL 168130. locality: Dunkassa village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 513957 donor id: Sg. 4033. origin: Benin. local name: Gaffa. collector id: 94. other id: NSL 169344. locality: Dunkassa village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 513958 donor id: Sg. 4034. origin: Benin. local name: Dia Ttaou. collector id: 95. other id: NSL 169345. locality: Dunkassa village. remarks: Growing season 150-180 days. Cultivated. Seed.
- PI 513959 donor id: Sg. 4037. origin: Benin. local name: Gaouri. collector id: 99. other id: NSL 169346. locality: Peonga village. Cultivated. Seed.
- PI 513960 donor id: Sg. 4040. origin: Benin. local name: Esse Poua. collector id: 102. other id: NSL 168131. locality: Sakabansi village. remarks: Growing season 180-210 days. Race Guinea. Cultivated. Seed.
- PI 513961 donor id: Sg. 4041. origin: Benin. local name: Esse Siya. collector id: 103. other id: NSL 168132. locality: Sakabansi village. remarks: Growing season 180-210 days. Race Guinea. Cultivated. Seed.
- PI 513962 donor id: Sg. 4043. origin: Benin. local name: Esse Poua Gba E. collector id: 105. other id: NSL 168133. locality: Sakabansi village. remarks: Growing season 180-210 days. Race Guinea. Cultivated. Seed.
- PI 513963 donor id: Sg. 4044. origin: Benin. local name: Esse Boue. collector id: 106. other id: NSL 168134. locality: Sakabansi village. remarks: Growing season 180-210 days. Race Guinea. Cultivated. Seed.

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- PI 513964 donor id: Sg. 4045. origin: Benin. local name: Esse Tian. collector id: 107. other id: NSL 168135. locality: Sakabansi village. remarks: Growing season 180-210 days. Race Guinea. Cultivated. Seed.
- PI 513965 donor id: Sg. 4046. origin: Benin. local name: Saade. collector id: 108. other id: NSL 169347. locality: Sakabansi village. remarks: Growing season 120 days. Cultivated. Seed.
- PI 513966 donor id: Sg. 4047. origin: Benin. local name: Dobi. collector id: 109. other id: NSL 168136. locality: Biro village. elevation: 1300m. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 513967 donor id: Sg. 4048. origin: Benin. local name: Dobi. collector id: 110. other id: NSL 168137. locality: Sirarou village. elevation: 1300m. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 513968 donor id: Sg. 4051. origin: Benin. local name: Dobi. collector id: 115. other id: NSL 168138. locality: Sonoumon village. elevation: 1300m. remarks: Growing season 150-180 days. Race Guinea. Cultivated. Seed.
- PI 513969 donor id: Sg. 4053. origin: Benin. local name: Dobi. collector id: 117. other id: NSL 168139. locality: Bori village. elevation: 1300m. remarks: Growing season 180-210 days. Race Guinea. Cultivated. Seed.
- PI 513970 donor id: Sg. 4054. origin: Benin. local name: Dobi Soen. collector id: 118. other id: NSL 168140. locality: Sakarou village. elevation: 1300m. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 513971 donor id: Sg. 4056. origin: Benin. local name: Dobi Pika. collector id: 123. other id: NSL 168141. locality: N'Dali village. elevation: 1300m. remarks: Race Guinea. Cultivated. Seed.
- PI 513972 donor id: Sg. 4059. origin: Benin. collector id: 126. other id: NSL 169348. locality: Guessou sud village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 513973 donor id: Sg. 4060. origin: Benin. collector id: 127. other id: NSL 169349. locality: Po-Boure village. Cultivated. Seed.
- PI 513974 donor id: Sg. 4061. origin: Benin. local name: Gaouri. collector id: 129. other id: NSL 169350. locality: Sikki village. Cultivated. Seed.

PI 513898 to 514271-continued

- PI 513975 donor id: Sg. 4062. origin: Benin. local name: Dobi. collector id: 131. other id: NSL 168142. locality: Sinende village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 513976 donor id: Sg. 4064. origin: Benin. collector id: 137. other id: NSL 169351. locality: Yarra village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 513977 donor id: Sg. 4066. origin: Benin. local name: Sakara Bokourou. collector id: 139. other id: NSL 168143. locality: Bouanri village. remarks: Growing season 210 days. Race Guinea. Cultivated. Seed.
- PI 513978 donor id: Sg. 4068. origin: Benin. local name: Toko Bessanou. collector id: 141. other id: NSL 168144. locality: Bouanri village. remarks: Growing season 210 days. Race Guinea. Cultivated. Seed.
- PI 513979 donor id: Sg. 4071. origin: Benin. collector id: 145. other id: NSL 169352. locality: Bembereke village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 513980 donor id: Sg. 4072. origin: Benin. collector id: 146. other id: NSL 169353. locality: Bembereke village. remarks: Growing season 150 days. Cultivated. Seed.
- PI 513981 donor id: Sg. 4073. origin: Benin. local name: Sakara Bogrou. collector id: 149. other id: NSL 168145. locality: Beroubouay village. remarks: Growing season 150-180 days. Race Guinea. Cultivated. Seed.
- PI 513982 donor id: Sg. 4075. origin: Benin. local name: Sakara Bokourou. collector id: 155. other id: NSL 168146. locality: Sori village. elevation: 1200-1300m. remarks: Growing season 210 days. Race Guinea. Cultivated. Seed.
- PI 513983 donor id: Sg. 4077. origin: Benin. local name: Dobi Pika. collector id: 157. other id: NSL 168147. locality: Sori village. elevation: 1200-1300m. remarks: Growing season 210 days. Race Guinea. Cultivated. Seed.
- PI 513984 donor id: Sg. 4082. origin: Benin. local name: Sakara Bokourou. collector id: 163. other id: NSL 168148. locality: Bagou village. remarks: Race Guinea. Cultivated. Seed.
- PI 513985 donor id: Sg. 4084. origin: Benin. local name: Maali. collector id: 166. other id: NSL 168149. locality: Bagou village. remarks: Growing season 150 days. Race Guinea. Cultivated. Seed.

PI 513898 to 514271-continued

- PI 513986 donor id: Sg. 4085. origin: Benin. local name: Koussou Bakourou. collector id: 167. other id: NSL 168150. locality: Bagou village. remarks: Growing season 80-90 days. Race Guinea. Cultivated. Seed.
- PI 513987 donor id: Sg. 4086. origin: Benin. collector id: 168. other id: NSL 169354. locality: Bagou village. Cultivated. Seed.
- PI 513988 donor id: Sg. 4087. origin: Benin. local name: Toko Bessenou. collector id: 172. other id: NSL 168151. locality: Gamia village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 513989 donor id: Sg. 4088. origin: Benin. local name: Sakara Bokoro. collector id: 173. other id: NSL 168152. locality: Gamia village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 513990 donor id: Sg. 4089. origin: Benin. local name: Toko Bessenou. collector id: 175. other id: NSL 168153. locality: Tenhoule village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 513991 donor id: Sg. 4090. origin: Benin. local name: Toko Bessenou. collector id: 176. other id: NSL 168154. locality: Boke village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 513992 donor id: Sg. 4092. origin: Benin. local name: Worou Banikoara. collector id: 178. other id: NSL 169355. locality: Gogounou village. remarks: Growing season 120 days. Cultivated. Seed.
- PI 513993 donor id: Sg. 4093. origin: Benin. local name: Sakara Bokoro. collector id: 179. other id: NSL 168155. locality: Gogounou village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 513994 donor id: Sg. 4094. origin: Benin. local name: Dobi Soarou. collector id: 180. other id: NSL 168156. locality: Gogounou village. remarks: Growing season 210 days. Race Guinea. Cultivated. Seed.
- PI 513995 donor id: Sg. 4095. origin: Benin. local name: Maali. collector id: 182. other id: NSL 168157. locality: Borodarou village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.

PI 513898 to 514271-continued

- PI 513996 donor id: Sg. 4096. origin: Benin. local name: Gaouri Daneri. collector id: 183. other id: NSL 169356. locality: Borodarou village. remarks: Growing season 150 days. Cultivated. Seed.
- PI 513997 donor id: Sg. 4098. origin: Benin. local name: Toko Bessenou. collector id: 186. other id: NSL 168158. locality: Pade village. remarks: Growing season 210 days. Race Guinea. Cultivated. Seed.
- PI 513998 donor id: Sg. 4099. origin: Benin. local name: Toko Bessenou. collector id: 187. other id: NSL 168159. locality: Pade village. remarks: Growing season 210 days. Race Guinea. Cultivated. Seed.
- PI 513999 donor id: Sg. 4100. origin: Benin. local name: Dobi Pika. collector id: 188. other id: NSL 168160. locality: Pade village. remarks: Growing season 150-160 days. Race Guinea. Cultivated. Seed.
- PI 514000 donor id: Sg. 4101. origin: Benin. collector id: 189. other id: NSL 168161. locality: Kandi village. remarks: Growing season 180 days. Race Guinea. Many local names. Cultivated. Seed.
- PI 514001 donor id: Sg. 4102. origin: Benin. collector id: 190. other id: NSL 168162. locality: Kandi village. remarks: Growing season 180 days. Race Guinea. Many local names. Cultivated. Seed.
- PI 514002 donor id: Sg. 4103. origin: Benin. local name: Esse Poua Bogu. collector id: 191. other id: NSL 168163. locality: Segbana village. remarks: Race Guinea. Cultivated. Seed.
- PI 514003 donor id: Sg. 4104. origin: Benin. local name: Esse Gba'e. collector id: 192. other id: NSL 168164. locality: Segbana village. remarks: Race Guinea. Cultivated. Seed.
- PI 514004 donor id: Sg. 4105. origin: Benin. local name: Gba'e, Gban Loua. collector id: 194. other id: NSL 168165. locality: Libante village. remarks: Race Guinea. Cultivated. Seed.
- PI 514005 donor id: Sg. 4106. origin: Benin. local name: Esse Poua. collector id: 196. other id: NSL 168166. locality: Libante village. remarks: Race Guinea. Cultivated. Seed.

PI 513898 to 514271-continued

- PI 514006 donor id: Sg. 4107. origin: Benin. local name: Gba'e. collector id: 197. other id: NSL 168167. locality: Libante village. remarks: Race Guinea. Cultivated. Seed.
- PI 514007 donor id: Sg. 4108. origin: Benin. local name: Gban Loua. collector id: 198. other id: NSL 169357. locality: Libante village. Cultivated. Seed.
- PI 514008 donor id: Sg. 4109. origin: Benin. local name: Esse Tenha. collector id: 199. other id: NSL 168168. locality: Libante village. remarks: Race Guinea. Cultivated. Seed.
- PI 514009 donor id: Sg. 4110. origin: Benin. local name: Esse Tinian. collector id: 201. other id: NSL 168169. locality: Segbana village. remarks: Race Guinea. Cultivated. Seed.
- PI 514010 donor id: Sg. 4111. origin: Benin. local name: Esse Poua Vouana. collector id: 202. other id: NSL 168170. locality: Segbana village. remarks: Race Guinea. Cultivated. Seed.
- PI 514011 donor id: Sg. 4112. origin: Benin. local name: Gba'e. collector id: 205. other id: NSL 168171. locality: Lougou village. remarks: Race Guinea. Cultivated. Seed.
- PI 514012 donor id: Sg. 4113. origin: Benin. local name: Kossa We. collector id: 206. other id: NSL 168172. locality: Lougou village. remarks: Race Guinea. Cultivated. Seed.
- PI 514013 donor id: Sg. 4114. origin: Benin. local name: Kossa We. collector id: 207. other id: NSL 168173. locality: Lougou village. remarks: Race Guinea. Cultivated. Seed.
- PI 514014 donor id: Sg. 4115. origin: Benin. local name: Esse Poua. collector id: 208. other id: NSL 168174. locality: Lougou village. remarks: Race Guinea. Cultivated. Seed.
- PI 514015 donor id: Sg. 4116. origin: Benin. local name: Esse Tinha. collector id: 209. other id: NSL 168175. locality: Lougou village. remarks: Race Guinea. Cultivated. Seed.
- PI 514016 donor id: Sg. 4117. origin: Benin. local name: Maagani Tinha. collector id: 210. other id: NSL 169358. locality: Lougou village. Cultivated. Seed.

PI 513898 to 514271-continued

- PI 514017 donor id: Sg. 4118. origin: Benin. local name: Gba'e. collector id: 212. other id: NSL 168176. locality: Kambara village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514018 donor id: Sg. 4119. origin: Benin. local name: Maagani. collector id: 213. other id: NSL 168177. locality: Kambara village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514019 donor id: Sg. 4120. origin: Benin. local name: Dawada. collector id: 214. other id: NSL 169359. locality: Kambara village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514020 donor id: Sg. 4121. origin: Benin. local name: Mari Tire. collector id: 218. other id: NSL 169360. locality: Liboussou village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514021 donor id: Sg. 4122. origin: Benin. local name: Esse Poua. collector id: 219. other id: NSL 168178. locality: Sokotindji village. remarks: Growing season 90 days. Race Guinea. Cultivated. Seed.
- PI 514022 donor id: Sg. 4123. origin: Benin. local name: Esse. collector id: 220. other id: NSL 168179. locality: Sokotindji village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514023 donor id: Sg. 4124. origin: Benin. collector id: 221. other id: NSL 169361. locality: Gbesse village. Cultivated. Seed.
- PI 514024 donor id: Sg. 4125. origin: Benin. local name: Dobi. collector id: 222. other id: NSL 168180. locality: Bensekou village. remarks: Growing season 210 days. Race Guinea. Cultivated. Seed.
- PI 514025 donor id: Sg. 4126. origin: Benin. local name: Toko Bessenou. collector id: 223. other id: NSL 168181. locality: Bensekou village. remarks: Growing season 150 days. Race Guinea. Cultivated. Seed.
- PI 514026 donor id: Sg. 4128. origin: Benin. local name: Tokobessenou. collector id: 225. other id: NSL 168182. locality: Kontokroukrou village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.

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- PI 514027 donor id: Sg. 4129. origin: Benin. local name: Maali. collector id: 226. other id: NSL 168183. locality: Kontokroukrou village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514028 donor id: Sg. 4130. origin: Benin. local name: Iya Founfoun. collector id: 228. other id: NSL 168184. locality: Fafa village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514029 donor id: Sg. 4131. origin: Benin. local name: Tokobessenou. collector id: 229. other id: NSL 168185. locality: Fafa village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514030 donor id: Sg. 4132. origin: Benin. local name: Guinai. collector id: 230. other id: NSL 169362. locality: Fafa village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514031 donor id: Sg. 4133. origin: Benin. local name: Awe Djoua. collector id: 232. other id: NSL 169363. locality: Fafa village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514032 donor id: Sg. 4134. origin: Benin. collector id: 233. other id: NSL 169364. locality: Angaradebou village. Cultivated. Seed.
- PI 514033 donor id: Sg. 4136. origin: Benin. local name: Kubita Hinka. collector id: 235. other id: NSL 169365. locality: Angaradebou village. remarks: Growing season 150 days. Cultivated. Seed.
- PI 514034 donor id: Sg. 4138. origin: Benin. local name: Tokobessenou. collector id: 239. other id: NSL 168186. locality: Angaradebou village. remarks: Growing season 150 days. Race Guinea. Cultivated. Seed.
- PI 514035 donor id: Sg. 4139. origin: Benin. local name: Maali. collector id: 240. other id: NSL 168187. locality: Lolo village. remarks: Growing season 150 days. Race Guinea. Cultivated. Seed.
- PI 514036 donor id: Sg. 4140. origin: Benin. local name: Guinai. collector id: 241. other id: NSL 169366. locality: Lolo village. remarks: Growing season 120 days. Cultivated. Seed.

PI 513898 to 514271-continued

- PI 514037 donor id: Sg. 4141. origin: Benin. local name: Dogo Sakata. collector id: 242. other id: NSL 169367. locality: Lolo village. remarks: Growing season 150 days. Cultivated. Seed.
- PI 514038 donor id: Sg. 4142. origin: Benin. local name: Maali. collector id: 245. other id: NSL 168188. locality: Sekale village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514039 donor id: Sg. 4143. origin: Benin. local name: Fari. collector id: 246. other id: NSL 169368. locality: Sekale village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514040 donor id: Sg. 4144. origin: Benin. local name: Igni Djoua. collector id: 247. other id: NSL 169369. locality: Sekale village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514041 donor id: Sg. 4145. origin: Benin. local name: Fari. collector id: 248. other id: NSL 168189. locality: Sekale village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514042 donor id: Sg. 4146. origin: Benin. local name: Tokobessenou. collector id: 249. other id: NSL 168190. locality: Alfa-Kwara village. remarks: Growing season 150 days. Race Guinea. Cultivated. Seed.
- PI 514043 donor id: Sg. 4147. origin: Benin. local name: Yafa. collector id: 250. other id: NSL 169370. locality: Alfa-Kwara village. Cultivated. Seed.
- PI 514044 donor id: Sg. 4149. origin: Benin. local name: Tarkounde Kambe. collector id: 252. other id: NSL 168191. locality: Alfa-Kwara village. remarks: Growing season 150 days. Race Guinea. Cultivated. Seed.
- PI 514045 donor id: Sg. 4150. origin: Benin. local name: Dawada. collector id: 255. other id: NSL 169371. locality: Goungoun village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514046 donor id: Sg. 4151. origin: Benin. local name: Yafa. collector id: 256. other id: NSL 169372. locality: Goungoun village. remarks: Growing season 180 days. Cultivated. Seed.

PI 513898 to 514271-continued

- PI 514047 donor id: Sg. 4153. origin: Benin. local name: Fari. collector id: 258. other id: NSL 168192. locality: Goungoun village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514048 donor id: Sg. 4154. origin: Benin. local name: Hamou. collector id: 262. other id: NSL 169373. locality: Guene village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514049 donor id: Sg. 4155. origin: Benin. local name: Kaman Fari. collector id: 267. other id: NSL 169374. locality: Garou village. remarks: Growing season 90 days. Cultivated. Seed.
- PI 514050 donor id: Sg. 4156. origin: Benin. local name: Maloka. collector id: 268. other id: NSL 168193. locality: Garou village. remarks: Growing season 120 days. Race Guinea. Cultivated. Seed.
- PI 514051 donor id: Sg. 4157. origin: Benin. local name: Koussou Bogou. collector id: 272. other id: NSL 168194. locality: Malanville village. remarks: Growing season 90 days. Race Guinea. Cultivated. Seed.
- PI 514052 donor id: Sg. 4159. origin: Benin. local name: Koussou Bogou. collector id: 276. other id: NSL 168195. locality: Bodjekali village. remarks: Growing season 120-150 days. Race Guinea. Cultivated. Seed.
- PI 514053 donor id: Sg. 4160. origin: Benin. local name: Maloka. collector id: 277. other id: NSL 168196. locality: Bodjekali village. remarks: Growing season 150-180 days. Race Guinea. Cultivated. Seed.
- PI 514054 donor id: Sg. 4161. origin: Benin. local name: Dogo. collector id: 278. other id: NSL 169375. locality: Bodjekali village. remarks: Growing season 150-180 days. Cultivated. Seed.
- PI 514055 donor id: Sg. 4162. origin: Benin. local name: Bombombi. collector id: 280. other id: NSL 169376. locality: Kargui village. remarks: Growing season 210 days. Cultivated. Seed.
- PI 514056 donor id: Sg. 4163. origin: Benin. local name: Maloka. collector id: 281. other id: NSL 168197. locality: Kargui village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.

PI 513898 to 514271-continued

- PI 514057 donor id: Sg. 4164. origin: Benin. local name: Koussou Bogou. collector id: 282. other id: NSL 168198. locality: Kargui village. remarks: Growing season 150 days. Race Guinea. Cultivated. Seed.
- PI 514058 donor id: Sg. 4166. origin: Benin. local name: Saga. collector id: 285. other id: NSL 169377. locality: Karimama village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514059 donor id: Sg. 4167. origin: Benin. local name: Kossou Bogou. collector id: 286. other id: NSL 168199. locality: Karimama village. remarks: Growing season 150 days. Race Guinea. Cultivated. Seed.
- PI 514060 donor id: Sg. 4168. origin: Benin. local name: Dogo. collector id: 287. other id: NSL 169378. locality: Karimama village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514061 donor id: Sg. 4169. origin: Benin. local name: Fari. collector id: 288. other id: NSL 168200. locality: Karimama village. remarks: Growing season 150 days. Race Guinea. Cultivated. Seed.
- PI 514062 donor id: Sg. 4170. origin: Benin. local name: Moloko. collector id: 289. other id: NSL 168201. locality: Karimama village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514063 donor id: Sg. 4171. origin: Benin. local name: Fari. collector id: 293. other id: NSL 169379. locality: Kompanti village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514064 donor id: Sg. 4172. origin: Benin. local name: Moloko. collector id: 294. other id: NSL 168202. locality: Kompanti village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514065 donor id: Sg. 4173. origin: Benin. local name: Dogo. collector id: 295. other id: NSL 169380. locality: Kompanti village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514066 donor id: Sg. 4174. origin: Benin. local name: Doumangou. collector id: 296. other id: NSL 167399. locality: Kompanti village. remarks: Growing season 150 days. Race Durra. Cultivated. Seed.

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- PI 514067 donor id: Sg. 4180. origin: Benin. local name: Moloko. collector id: 305. other id: NSL 168203. locality: Kompa village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514068 donor id: Sg. 4181. origin: Benin. local name: Koussou Bogou. collector id: 306. other id: NSL 168204. locality: Kompa village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514069 donor id: Sg. 4182. origin: Benin. local name: Dogo Gorou. collector id: 309. other id: NSL 169381. locality: Kompa village. remarks: Growing season 210 days. Cultivated. Seed.
- PI 514070 donor id: Sg. 4183. origin: Benin. local name: Tiaga. collector id: 312. other id: NSL 169382. locality: Angaradebou Dendi village. remarks: Growing season 150 days. Cultivated. Seed.
- PI 514071 donor id: Sg. 4184. origin: Benin. local name: Maali. collector id: 313. other id: NSL 168205. locality: Alibori village. remarks: Growing season 150 days. Race Guinea. Cultivated. Seed.
- PI 514072 donor id: Sg. 4186. origin: Benin. local name: Koussou Bogou. collector id: 315. other id: NSL 168206. locality: Alibori village. remarks: Growing season 90-120 days. Race Guinea. Cultivated. Seed.
- PI 514073 donor id: Sg. 4187. origin: Benin. local name: Maali. collector id: 317. other id: NSL 168207. locality: Semperekou village. remarks: Growing season 210 days. Race Guinea. Cultivated. Seed.
- PI 514074 donor id: Sg. 4188. origin: Benin. local name: Haini Korkoti. collector id: 318. other id: NSL 167400. locality: Semperekou village. remarks: Growing season 210 days. Race Durra. Cultivated. Seed.
- PI 514075 donor id: Sg. 4191. origin: Benin. local name: Mare Dobi. collector id: 321. other id: NSL 168208. locality: Sonsoro village. remarks: Growing season 150 days. Race Guinea. Cultivated. Seed.
- PI 514076 donor id: Sg. 4192. origin: Benin. local name: Magni. collector id: 322. other id: NSL 168209. locality: Sonsoro village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.

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- PI 514077 donor id: Sg. 4193. origin: Benin. local name: Tokobessenou. collector id: 323. other id: NSL 168210. locality: Sonsoro village. remarks: Growing season 150 days. Race Guinea. Cultivated. Seed.
- PI 514078 donor id: Sg. 4194. origin: Benin. local name: Tokobessenou. collector id: 324. other id: NSL 168211. locality: Sonsoro village. remarks: Growing season 150 days. Race Guinea. Cultivated. Seed.
- PI 514079 donor id: Sg. 4195. origin: Benin. local name: Koussou Bogou. collector id: 325. other id: NSL 168212. locality: Banikoara village. remarks: Race Guinea. Cultivated. Seed.
- PI 514080 donor id: Sg. 4196. origin: Benin. local name: Toko Bessanou. collector id: 326. other id: NSL 168213. locality: Banikoara village. remarks: Race Guinea. Cultivated. Seed.
- PI 514081 donor id: Sg. 4197. origin: Benin. local name: Baniani. collector id: 327. other id: NSL 169383. locality: Banikoara village. Cultivated. Seed.
- PI 514082 donor id: Sg. 4200. origin: Benin. local name: Dobi Pika. collector id: 330. other id: NSL 168214. locality: Banikoara village. remarks: Race Guinea. Cultivated. Seed.
- PI 514083 donor id: Sg. 4201. origin: Benin. local name: Maali. collector id: 332. other id: NSL 168215. locality: Kadero village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514084 donor id: Sg. 4202. origin: Benin. local name: Koussou Bogou. collector id: 333. other id: NSL 168216. locality: Kadero village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514085 donor id: Sg. 4203. origin: Benin. local name: Boussou Kari. collector id: 334. other id: NSL 169384. locality: Kadero village. remarks: Growing season 180-210 days. Cultivated. Seed.
- PI 514086 donor id: Sg. 4204. origin: Benin. local name: Toko Bessanou. collector id: 335. other id: NSL 168217. locality: Kadero village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.

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- PI 514087 donor id: Sg. 4207. origin: Benin. local name: Maali. collector id: 339. other id: NSL 168218. locality: Founougo village. remarks: Growing season 180-210 days. Race Guinea. Cultivated. Seed.
- PI 514088 donor id: Sg. 4208. origin: Benin. local name: Dinari. collector id: 340. other id: NSL 169385. locality: Founougo village. remarks: Growing season 180-210 days. Cultivated. Seed.
- PI 514089 donor id: Sg. 4210. origin: Benin. local name: Yeregou. collector id: 342. other id: NSL 167401. locality: Founougo village. remarks: Growing season 210 days. Race Durra. Cultivated. Seed.
- PI 514090 donor id: Sg. 4211. origin: Benin. local name: Sakara Bogourou. collector id: 343. other id: NSL 168219. locality: Founougo village. remarks: Growing season 210 days. Race Guinea. Cultivated. Seed.
- PI 514091 donor id: Sg. 4212. origin: Benin. local name: Toko Bessenou. collector id: 344. other id: NSL 168220. locality: Founougo village. remarks: Growing season 210 days. Race Guinea. Cultivated. Seed.
- PI 514092 donor id: Sg. 4213. origin: Benin. local name: Maali. collector id: 345. other id: NSL 168221. locality: Founougo village. remarks: Growing season 210 days. Race Guinea. Cultivated. Seed.
- PI 514093 donor id: Sg. 4214. origin: Benin. local name: Dobi-Saga-Pika. collector id: 346. other id: NSL 168222. locality: Founougo village. remarks: Growing season 210 days. Race Guinea. Cultivated. Seed.
- PI 514094 donor id: Sg. 4218. origin: Benin. local name: Saga-Yaha-Dobou. collector id: 350. other id: NSL 169386. locality: Founougo village. remarks: Growing season 210 days. Cultivated. Seed.
- PI 514095 donor id: Sg. 4219. origin: Benin. local name: Maali. collector id: 351. other id: NSL 168223. locality: Banikoara village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514096 donor id: Sg. 4220. origin: Benin. local name: Boussou-Kali. collector id: 352. other id: NSL 169387. locality: Banikoara village. remarks: Growing season 90 days. Cultivated. Seed.

PI 513898 to 514271-continued

- PI 514097 donor id: Sg. 4221. origin: Benin. local name: Toko Bessenou. collector id: 353. other id: NSL 168224. locality: Banikoara village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514098 donor id: Sg. 4222. origin: Benin. local name: Koussou Bogou. collector id: 354. other id: NSL 168225. locality: Banikoara village. remarks: Growing season 90 days. Race Guinea. Cultivated. Seed.
- PI 514099 donor id: Sg. 4225. origin: Benin. local name: Fari. collector id: 358. other id: NSL 169388. locality: Toura village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514100 donor id: Sg. 4226. origin: Benin. local name: Toko Bessenou. collector id: 359. other id: NSL 168226. locality: Toura village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514101 donor id: Sg. 4227. origin: Benin. local name: Koussou Bogou. collector id: 360. other id: NSL 168227. locality: Toura village. remarks: Growing season 120-150 days. Race Guinea. Cultivated. Seed.
- PI 514102 donor id: Sg. 4228. origin: Benin. local name: Dobi Pika. collector id: 361. other id: NSL 168228. locality: Toura village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514103 donor id: Sg. 4229. origin: Benin. local name: Maali. collector id: 362. other id: NSL 168229. locality: Toura village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514104 donor id: Sg. 4231. origin: Benin. local name: Bouso Kali. collector id: 365. other id: NSL 169389. locality: Goumori village. remarks: Growing season 120 days. Cultivated. Seed.
- PI 514105 donor id: Sg. 4232. origin: Benin. local name: Dobi Pika. collector id: 366. other id: NSL 168230. locality: Goumori village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514106 donor id: Sg. 4233. origin: Benin. local name: Koussou Bogou. collector id: 367. other id: NSL 168231. locality: Goumori village. remarks: Race Guinea. Cultivated. Seed.

PI 513898 to 514271-continued

- PI 514107 donor id: Sg. 4234. origin: Benin. local name: Dina Le. collector id: 368. other id: NSL 169390. locality: Goumori village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514108 donor id: Sg. 4235. origin: Benin. local name: Toko Bessenou. collector id: 369. other id: NSL 168232. locality: Goumori village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514109 donor id: Sg. 4236. origin: Benin. local name: Maali. collector id: 370. other id: NSL 168233. locality: Goumori village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514110 donor id: Sg. 4237. origin: Benin. local name: Dobi Pika. collector id: 372. other id: NSL 168234. locality: Gbassa village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514111 donor id: Sg. 4238. origin: Benin. local name: Toko Bessenou. collector id: 373. other id: NSL 168235. locality: Gbassa village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514112 donor id: Sg. 4239. origin: Benin. local name: Maali. collector id: 374. other id: NSL 168236. locality: Gbassa village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514113 donor id: Sg. 4242. origin: Benin. local name: Fara Bom Bom. collector id: 377. other id: NSL 169391. locality: Goubakarou village. remarks: Growing season 120 days. Cultivated. Seed.
- PI 514114 donor id: Sg. 4243. origin: Benin. local name: Dobi Pika. collector id: 378. other id: NSL 168237. locality: Goubakarou village. remarks: Growing season 120 days. Race Guinea. Cultivated. Seed.
- PI 514115 donor id: Sg. 4244. origin: Benin. local name: Maali. collector id: 379. other id: NSL 168238. locality: Goubakarou village. remarks: Growing season 150 days. Race Guinea. Cultivated. Seed.
- PI 514116 donor id: Sg. 4245. origin: Benin. local name: Toko Bessenou. collector id: 380. other id: NSL 168239. locality: Goubakarou village. remarks: Growing season 150 days. Race Guinea. Cultivated. Seed.

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- PI 514117 donor id: Sg. 4246. origin: Benin. local name: Yeregou. collector id: 381. other id: NSL 169392. locality: Ouore village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514118 donor id: Sg. 4247. origin: Benin. local name: Dobi Pika. collector id: 382. other id: NSL 168240. locality: Ouore village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514119 donor id: Sg. 4248. origin: Benin. local name: Dobi Sien. collector id: 383. other id: NSL 168241. locality: Ouore village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514120 donor id: Sg. 4249. origin: Benin. local name: Tokobessenou. collector id: 384. other id: NSL 168242. locality: Ouore village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514121 donor id: Sg. 4251. origin: Benin. local name: Maali. collector id: 387. other id: NSL 168243. locality: Kerou village. remarks: Race Guinea. Cultivated. Seed.
- PI 514122 donor id: Sg. 4253. origin: Benin. local name: Chaaga. collector id: 389. other id: NSL 169393. locality: Kerou village. Cultivated. Seed.
- PI 514123 donor id: Sg. 4254. origin: Benin. local name: Tokobessenou. collector id: 390. other id: NSL 168244. locality: Kerou village. remarks: Race Guinea. Cultivated. Seed.
- PI 514124 donor id: Sg. 4255. origin: Benin. local name: Boussou Kale. collector id: 392. other id: NSL 168245. locality: Tobaga village. remarks: Growing season 120 days. Race Guinea. Cultivated. Seed.
- PI 514125 donor id: Sg. 4256. origin: Benin. local name: Koussou Bogou. collector id: 393. other id: NSL 168246. locality: Tobaga village. remarks: Growing season 120-150 days. Race Guinea. Cultivated. Seed.
- PI 514126 donor id: Sg. 4257. origin: Benin. local name: Dobi Soya. collector id: 394. other id: NSL 168247. locality: Tobaga village. remarks: Growing season 120-150 days. Race Guinea. Cultivated. Seed.
- PI 514127 donor id: Sg. 4258. origin: Benin. local name: Sakara Bokore. collector id: 395. other id: NSL 168248. locality: Tobaga village. remarks: Growing season 150-180 days. Race Guinea. Cultivated. Seed.

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- PI 514128 donor id: Sg. 4259. origin: Benin. local name: Tokobessenou. collector id: 396. other id: NSL 168249. locality: Tobaga village. remarks: Race Guinea. Cultivated. Seed.
- PI 514129 donor id: Sg. 4262. origin: Benin. local name: Koussou Bogou. collector id: 399. other id: NSL 168250. locality: Keremou village. remarks: Growing season 90-120 days. Race Guinea. Cultivated. Seed.
- PI 514130 donor id: Sg. 4263. origin: Benin. local name: Magni. collector id: 400. other id: NSL 168251. locality: Keremou village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514131 donor id: Sg. 4264. origin: Benin. local name: Dobi Pika. collector id: 401. other id: NSL 168252. locality: Gnemasson village. remarks: Race Guinea. Cultivated. Seed.
- PI 514132 donor id: Sg. 4271. origin: Benin. local name: Dobi Soarou. collector id: 410. other id: NSL 168253. locality: Yakri Gourou village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514133 donor id: Sg. 4272. origin: Benin. local name: Dobi Pika. collector id: 411. other id: NSL 168254. locality: Yakri Gourou village. remarks: Growing season 90 days. Race Guinea. Cultivated. Seed.
- PI 514134 donor id: Sg. 4273. origin: Benin. local name: Sakara Go. collector id: 413. other id: NSL 168255. locality: Kossou Ouinra village. remarks: Growing season 120 days. Race Guinea. Cultivated. Seed.
- PI 514135 donor id: Sg. 4274. origin: Benin. local name: Toko Bessenou. collector id: 414. other id: NSL 168256. locality: Kossou Ouinra village. remarks: Growing season 120 days. Race Guinea. Cultivated. Seed.
- PI 514136 donor id: Sg. 4275. origin: Benin. local name: Dobi Pika. collector id: 415. other id: NSL 168257. locality: Kossou Ouinra village. remarks: Growing season 90-120 days. Race Guinea. Cultivated. Seed.
- PI 514137 donor id: Sg. 4278. origin: Benin. local name: Maagani. collector id: 418. other id: NSL 168258. locality: Tobre village. remarks: Growing season 150 days. Race Guinea. Cultivated. Seed.

PI 513898 to 514271-continued

- PI 514138 donor id: Sg. 4279. origin: Benin. local name: Toko Bessenou. collector id: 419. other id: NSL 168259. locality: Tobre village. remarks: Growing season 150 days. Race Guinea. Cultivated. Seed.
- PI 514139 donor id: Sg. 4283. origin: Benin. local name: Boure. collector id: 423. other id: NSL 169394. locality: Tobre village. remarks: Growing season 150 days. Cultivated. Seed.
- PI 514140 donor id: Sg. 4285. origin: Benin. collector id: 426. other id: NSL 169395. locality: Pehonko village. remarks: Growing season 90-120 days. Cultivated. Seed.
- PI 514141 donor id: Sg. 4287. origin: Benin. local name: Yo Dobi. collector id: 428. other id: NSL 168260. locality: Pehonko village. remarks: Growing season 210 days. Race Guinea. Cultivated. Seed.
- PI 514142 donor id: Sg. 4288. origin: Benin. local name: Maagani. collector id: 429. other id: NSL 168261. locality: Pehonko village. remarks: Growing season 150 days. Race Guinea. Cultivated. Seed.
- PI 514143 donor id: Sg. 4289. origin: Benin. local name: Toko Bessenou. collector id: 430. other id: NSL 168262. locality: Pehonko village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514144 donor id: Sg. 4293. origin: Benin. local name: Dobi Pika. collector id: 434. other id: NSL 168263. locality: Pehonko village. remarks: Growing season 150 days. Race Guinea. Cultivated. Seed.
- PI 514145 donor id: Sg. 4294. origin: Benin. local name: Toko Bessenou. collector id: 436. other id: NSL 168264. locality: Mekrou-Gourou village. remarks: Race Guinea. Cultivated. Seed.
- PI 514146 donor id: Sg. 4295. origin: Benin. local name: Maagani. collector id: 437. other id: NSL 168265. locality: Mekrou-Gourou village. remarks: Race Guinea. Cultivated. Seed.
- PI 514147 donor id: Sg. 4297. origin: Benin. local name: Woron Kori. collector id: 439. other id: NSL 169396. locality: Mekrou-Gourou village. Cultivated. Seed.
- PI 514148 donor id: Sg. 4298. origin: Benin. local name: Kpre-Sia. collector id: 440. other id: NSL 169397. locality: Mekrou-Gourou village. Cultivated. Seed.

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- PI 514149 donor id: Sg. 4300. origin: Benin. local name: Dobi Faarou. collector id: 442. other id: NSL 168266. locality: Mekrou-Gourou village. remarks: Race Guinea. Cultivated. Seed.
- PI 514150 donor id: Sg. 4301. origin: Benin. local name: Tioti. collector id: 443. other id: NSL 169398. locality: Mekrou-Gourou village. Cultivated. Seed.
- PI 514151 donor id: Sg. 4304. origin: Benin. local name: Maagani. collector id: 447. other id: NSL 168267. locality: Niekene village. remarks: Growing season 150 days. Race Guinea. Cultivated. Seed.
- PI 514152 donor id: Sg. 4305. origin: Benin. local name: Boure. collector id: 448. other id: NSL 169399. locality: Niekene village. remarks: Growing season 90 days. Cultivated. Seed.
- PI 514153 donor id: Sg. 4306. origin: Benin. local name: Maagani. collector id: 449. other id: NSL 168268. locality: Niekene village. remarks: Race Guinea. Cultivated. Seed.
- PI 514154 donor id: Sg. 4307. origin: Benin. local name: Kokoto Ben-Yirou. collector id: 451. other id: NSL 169400. locality: Niaro Keter village. Cultivated. Seed.
- PI 514155 donor id: Sg. 4308. origin: Benin. local name: Dobi Pika. collector id: 452. other id: NSL 168269. locality: Niaro Keter village. remarks: Race Guinea. Cultivated. Seed.
- PI 514156 donor id: Sg. 4309. origin: Benin. local name: Do Fanrou. collector id: 453. other id: NSL 169401. locality: Niaro Keter village. Cultivated. Seed.
- PI 514157 donor id: Sg. 4313. origin: Benin. local name: Natisso Porya. collector id: 458. other id: NSL 169402. locality: Koto Pounea village. remarks: Growing season 90 days. Cultivated. Seed.
- PI 514158 donor id: Sg. 4316. origin: Benin. local name: Sounya Woukassoya. collector id: 463. other id: NSL 169403. locality: Koto Pounea village. Cultivated. Seed.
- PI 514159 donor id: Sg. 4319. origin: Benin. collector id: 467. other id: NSL 169404. locality: Nat.-Perma village. Cultivated. Seed.

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- PI 514160 donor id: Sg. 4320. origin: Benin. local name: Yo Dobi. collector id: 468. other id: NSL 168270. locality: Firou village. remarks: Growing season 180-210 days. Race Guinea. Cultivated. Seed.
- PI 514161 donor id: Sg. 4321. origin: Benin. local name: Toko-Bessenou. collector id: 469. other id: NSL 168271. locality: Firou village. remarks: Growing season 150-180 days. Race Guinea. Cultivated. Seed.
- PI 514162 donor id: Sg. 4322. origin: Benin. local name: Dobi Boure. collector id: 472. other id: NSL 168272. locality: Kouande village. remarks: Growing season 90 days. Race Guinea. Cultivated. Seed.
- PI 514163 donor id: Sg. 4323. origin: Benin. local name: Dobi Boure. collector id: 473. other id: NSL 168273. locality: Kouande village. remarks: Growing season 90 days. Race Guinea. Cultivated. Seed.
- PI 514164 donor id: Sg. 4324. origin: Benin. local name: Toko Bessenou. collector id: 474. other id: NSL 168274. locality: Kabare village. remarks: Growing season 150 days. Race Guinea. Cultivated. Seed.
- PI 514165 donor id: Sg. 4325. origin: Benin. local name: Soo-Nya. collector id: 480. other id: NSL 169405. locality: Toukoun Touna village. remarks: Growing season 210 days. Cultivated. Seed.
- PI 514166 donor id: Sg. 4326. origin: Benin. local name: Sonya. collector id: 482. other id: NSL 169406. locality: Toukoun Touna village. remarks: Growing season 210 days. Cultivated. Seed.
- PI 514167 donor id: Sg. 4327. origin: Benin. local name: Soteya. collector id: 483. other id: NSL 169407. locality: Tchakalakou village. remarks: Growing season 210 days. Cultivated. Seed.
- PI 514168 donor id: Sg. 4328. origin: Benin. local name: Tchahonga. collector id: 484. other id: NSL 169408. locality: Tchakalakou village. remarks: Growing season 210 days. Cultivated. Seed.
- PI 514169 donor id: Sg. 4329. origin: Benin. local name: Sonya. collector id: 485. other id: NSL 169409. locality: Tchakalakou village. remarks: Growing season 210 days. Cultivated. Seed.

PI 513898 to 514271-continued

- PI 514170 donor id: Sg. 4330. origin: Benin. local name: Sopoya. collector id: 486. other id: NSL 169410. locality: Tchakalakou village. remarks: Growing season 210 days. Cultivated. Seed.
- PI 514171 donor id: Sg. 4331. origin: Benin. local name: Tchahon Porga. collector id: 487. other id: NSL 169411. locality: Tchakalakou village. remarks: Growing season 210 days. Cultivated. Seed.
- PI 514172 donor id: Sg. 4332. origin: Benin. local name: Yo Nilika. collector id: 489. other id: NSL 169412. locality: Nottingou village. remarks: Growing season 240 days. Cultivated. Seed.
- PI 514173 donor id: Sg. 4334. origin: Benin. local name: Yo Laaka. collector id: 491. other id: NSL 169413. locality: Nottingou village. remarks: Growing season 210 days. Cultivated. Seed.
- PI 514174 donor id: Sg. 4335. origin: Benin. local name: Yo Douanfa. collector id: 492. other id: NSL 169414. locality: Nottingou village. remarks: Growing season 210 days. Cultivated. Seed.
- PI 514175 donor id: Sg. 4336. origin: Benin. local name: Yo Kandawago. collector id: 493. other id: NSL 169415. locality: Nottingou village. remarks: Growing season 90 days. Cultivated. Seed.
- PI 514176 donor id: Sg. 4337. origin: Benin. local name: Koupande. collector id: 495. other id: NSL 169416. locality: Datori village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514177 donor id: Sg. 4339. origin: Benin. local name: Yo Pienin. collector id: 497. other id: NSL 169417. locality: Datori village. remarks: Growing season 210 days. Cultivated. Seed.
- PI 514178 donor id: Sg. 4340. origin: Benin. local name: Ayo Niyo. collector id: 498. other id: NSL 169418. locality: Datori village. remarks: Growing season 120 days. Cultivated. Seed.
- PI 514179 donor id: Sg. 4341. origin: Benin. local name: Kananponka. collector id: 499. other id: NSL 169419. locality: Datori village. remarks: Growing season 90 days. Cultivated. Seed.

PI 513898 to 514271-continued

- PI 514180 donor id: Sg. 4342. origin: Benin. local name: Aparakou. collector id: 502. other id: NSL 169420. locality: Datori village. remarks: Growing season 90 days. Cultivated. Seed.
- PI 514181 donor id: Sg. 4343. origin: Benin. local name: Nagwene. collector id: 503. other id: NSL 169421. locality: Datori village. remarks: Growing season 120 days. Cultivated. Seed.
- PI 514182 donor id: Sg. 4344. origin: Benin. local name: Kerya. collector id: 505. other id: NSL 169279. locality: Cobly village. remarks: Growing season 80-90 days. Race Guinea x Durra. Cultivated. Seed.
- PI 514183 donor id: Sg. 4346. origin: Benin. local name: Akarie-Mongue. collector id: 507. other id: NSL 169422. locality: Cobly village. remarks: Growing season 90 days. Cultivated. Seed.
- PI 514184 donor id: Sg. 4347. origin: Benin. local name: Katampogue. collector id: 508. other id: NSL 169423. locality: Cobly village. remarks: Growing season 120-150 days. Cultivated. Seed.
- PI 514185 donor id: Sg. 4348. origin: Benin. local name: Dio Kotore. collector id: 509. other id: NSL 169424. locality: Cobly village. remarks: Growing season 120-150 days. Cultivated. Seed.
- PI 514186 donor id: Sg. 4349. origin: Benin. local name: Tuyou Dati. collector id: 514. other id: NSL 169425. locality: Toukoun Touna village. remarks: Growing season 90-120 days. Cultivated. Seed.
- PI 514187 donor id: Sg. 4353. origin: Benin. local name: Ila Kha. collector id: 520. other id: NSL 169426. locality: Poury village. remarks: Growing season 150-180 days. Cultivated. Seed.
- PI 514188 donor id: Sg. 4354. origin: Benin. local name: Kakhou. collector id: 521. other id: NSL 169427. locality: Poury village. remarks: Growing season 150-160 days. Cultivated. Seed.
- PI 514189 donor id: Sg. 4355. origin: Benin. local name: Ipon. collector id: 522. other id: NSL 169428. locality: Poury village. remarks: Growing season 210 days. Cultivated. Seed.

PI 513898 to 514271-continued

- PI 514190 donor id: Sg. 4357. origin: Benin. local name: Ila-Kha. collector id: 527. other id: NSL 169429. locality: Porga village. remarks: Growing season 150 days. Cultivated. Seed.
- PI 514191 donor id: Sg. 4358. origin: Benin. local name: Kakhou-Sosso. collector id: 528. other id: NSL 169430. locality: Porga village. Cultivated. Seed.
- PI 514192 donor id: Sg. 4359. origin: Benin. local name: Kakla Kha. collector id: 529. other id: NSL 169431. locality: Gouande village. remarks: Growing season 150 days. Cultivated. Seed.
- PI 514193 donor id: Sg. 4360. origin: Benin. local name: Kakhpoue. collector id: 530. other id: NSL 169432. locality: Gouande village. remarks: Growing season 150 days. Cultivated. Seed.
- PI 514194 donor id: Sg. 4362. origin: Benin. local name: Kakho. collector id: 534. other id: NSL 169433. locality: Materi village. remarks: Growing season 150 days. Cultivated. Seed.
- PI 514195 donor id: Sg. 4367. origin: Benin. local name: Idipieni. collector id: 540. other id: NSL 169434. locality: Batia village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514196 donor id: Sg. 4368. origin: Benin. local name: Inatiawabi. collector id: 541. other id: NSL 169435. locality: Batia village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514197 donor id: Sg. 4369. origin: Benin. local name: Idi Mom Moini. collector id: 542. other id: NSL 169436. locality: Batia village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514198 donor id: Sg. 4370. origin: Benin. local name: Okpado. collector id: 543. other id: NSL 169437. locality: Batia village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514199 donor id: Sg. 4371. origin: Benin. local name: Kandouaga. collector id: 545. other id: NSL 169438. locality: Tian Ouassaga village. remarks: Growing season 180 days. Cultivated. Seed.

PI 513898 to 514271-continued

- PI 514200 donor id: Sg. 4372. origin: Benin. local name: Kandouaniga. collector id: 546. other id: NSL 169439. locality: Tian Ouassaga village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514201 donor id: Sg. 4374. origin: Benin. local name: Mounmounga. collector id: 548. other id: NSL 169440. locality: Tian Ouassaga village. remarks: Growing season 150 days. Cultivated. Seed.
- PI 514202 donor id: Sg. 4380. origin: Benin. local name: Yebeti Doyo. collector id: 556. other id: NSL 169441. locality: Manta village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514203 donor id: Sg. 4381. origin: Benin. collector id: 557. other id: NSL 169442. locality: Manta village. remarks: Growing season 120-130 days. Cultivated. Seed.
- PI 514204 donor id: Sg. 4384. origin: Benin. local name: Tim'po. collector id: 565. other id: NSL 169443. locality: Boukombe village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514205 donor id: Sg. 4385. origin: Benin. local name: Kahor Sossou. collector id: 566. other id: NSL 169444. locality: Tanguieta village. remarks: Growing season 150 days. Cultivated. Seed.
- PI 514206 donor id: Sg. 4386. origin: Benin. local name: Yepohassipika. collector id: 567. other id: NSL 169445. locality: Tanguieta village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514207 donor id: Sg. 4387. origin: Benin. collector id: 568. other id: NSL 169446. locality: Tanguieta village. remarks: Growing season 90 days. Cultivated. Seed.
- PI 514208 donor id: Sg. 4388. origin: Benin. local name: Kadoyargou. collector id: 569. other id: NSL 169447. locality: Tanguieta village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514209 donor id: Sg. 4389. origin: Benin. local name: Nampora. collector id: 570. other id: NSL 169448. locality: Tanguieta village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514210 donor id: Sg. 4390. origin: Benin. local name: Moumoug. collector id: 572. other id: NSL 169449. locality: Tanguieta village. remarks: Growing season 180 days. Cultivated. Seed.

PI 513898 to 514271-continued

- PI 514211 donor id: Sg. 4393. origin: Benin. local name: Idatchientchanda. collector id: 575. other id: NSL 169450. locality: Tanguieta village. remarks: Growing season 90-120 days. Cultivated. Seed.
- PI 514212 donor id: Sg. 4395. origin: Benin. local name: Tim'Pouaga. collector id: 577. other id: NSL 169451. locality: Boukombe village. remarks: Growing season 150-180 days. Cultivated. Seed.
- PI 514213 donor id: Sg. 4396. origin: Benin. local name: Tio Tianti. collector id: 578. other id: NSL 169452. locality: Boukombe village. Cultivated. Seed.
- PI 514214 donor id: Sg. 4399. origin: Benin. collector id: 581. other id: NSL 169453. locality: Korontiere village. remarks: Growing season 150 days. Cultivated. Seed.
- PI 514215 donor id: Sg. 4400. origin: Benin. local name: Tiyo Daati. collector id: 586. other id: NSL 169454. locality: Kouaba village. remarks: Growing season 90 days. Cultivated. Seed.
- PI 514216 donor id: Sg. 4401. origin: Benin. local name: Tiyo Miiti. collector id: 587. other id: NSL 169455. locality: Kouaba village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514217 donor id: Sg. 4404. origin: Benin. local name: Siyo Ouan. collector id: 591. other id: NSL 168950. locality: Kouaba village. remarks: Growing season 180 days. Race Guinea x Caudatum. Cultivated. Seed.
- PI 514218 donor id: Sg. 4406. origin: Benin. collector id: 593. other id: NSL 169456. locality: Kouaba village. remarks: Growing season 120-150 days. Cultivated. Seed.
- PI 514219 donor id: Sg. 4407. origin: Benin. local name: Sotakama. collector id: 594. other id: NSL 169457. locality: Kouaba village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514220 donor id: Sg. 4409. origin: Benin. local name: Bouwoubou. collector id: 596. other id: NSL 169458. locality: Kouarfa village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514221 donor id: Sg. 4410. origin: Benin. local name: Oukassoya. collector id: 597. other id: NSL 169459. locality: Kouarfa village. remarks: Growing season 180 days. Cultivated. Seed.

PI 513898 to 514271-continued

- PI 514222 donor id: Sg. 4412. origin: Benin. local name: Sodaya. collector id: 599. other id: NSL 169460. locality: Kaba-Koudegou village. remarks: Growing season 90-100 days. Cultivated. Seed.
- PI 514223 donor id: Sg. 4413. origin: Benin. local name: Ntinukpato. collector id: 600. other id: NSL 169461. locality: Kaba-Koudegou village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514224 donor id: Sg. 4414. origin: Benin. local name: Kanawago. collector id: 601. other id: NSL 169462. locality: Natitingou village. remarks: Growing season 120-130 days. Cultivated. Seed.
- PI 514225 donor id: Sg. 4415. origin: Benin. local name: Yoapega. collector id: 602. other id: NSL 169463. locality: Natitingou village. remarks: Growing season 90 days. Cultivated. Seed.
- PI 514226 donor id: Sg. 4417. origin: Benin. local name: Dobi Pika. collector id: 607. other id: NSL 168275. locality: Birni village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514227 donor id: Sg. 4418. origin: Benin. local name: Dobi Pika. collector id: 608. other id: NSL 168276. locality: Birni village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514228 donor id: Sg. 4419. origin: Benin. local name: Dobi Farou. collector id: 609. other id: NSL 168277. locality: Birni village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514229 donor id: Sg. 4420. origin: Benin. local name: Za. collector id: 612. other id: NSL 169464. locality: Taneka Koko. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514230 donor id: Sg. 4421. origin: Benin. local name: Zomolra. collector id: 613. other id: NSL 169465. locality: Taneka Koko. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514231 donor id: Sg. 4422. origin: Benin. local name: Zomora. collector id: 614. other id: NSL 169466. locality: Taneka Koko. Cultivated. Seed.

PI 513898 to 514271-continued

- PI 514232 donor id: Sg. 4423. origin: Benin. local name: Zomora.
collector id: 616. other id: NSL 169467. locality:
Partago village. remarks: Growing season 150-210 days.
Cultivated. Seed.
- PI 514233 donor id: Sg. 4424. origin: Benin. local name: Zopera.
collector id: 617. other id: NSL 169468. locality:
Partago village. remarks: Growing season 150-210 days.
Cultivated. Seed.
- PI 514234 donor id: Sg. 4426. origin: Benin. local name:
Bemdioura. collector id: 622. other id: NSL 169469.
locality: Bellefougou village. remarks: Growing season
180 days. Cultivated. Seed.
- PI 514235 donor id: Sg. 4427. origin: Benin. local name:
Zoumon'di. collector id: 623. other id: NSL 169470.
locality: Bellefougou village. remarks: Growing season
180 days. Cultivated. Seed.
- PI 514236 donor id: Sg. 4428. origin: Benin. local name:
Sergnin'Mora. collector id: 624. other id: NSL 169471.
locality: Bellefougou village. remarks: Growing season
180 days. Cultivated. Seed.
- PI 514237 donor id: Sg. 4429. origin: Benin. local name:
Sergnin'Mora. collector id: 625. other id: NSL 169472.
locality: Bellefougou village. Cultivated. Seed.
- PI 514238 donor id: Sg. 4430. origin: Benin. local name: Agbani.
collector id: 626. other id: NSL 169473. locality:
Bellefougou village. remarks: Growing season 180 days.
Cultivated. Seed.
- PI 514239 donor id: Sg. 4431. origin: Benin. local name:
Sergnin'Mora. collector id: 627. other id: NSL 169474.
locality: Bellefougou village. remarks: Growing season
180 days. Cultivated. Seed.
- PI 514240 donor id: Sg. 4433. origin: Benin. local name: Tioti
Tionti. collector id: 631. other id: NSL 169475.
locality: Perma village. remarks: Growing season 120
days. Cultivated. Seed.
- PI 514241 donor id: Sg. 4436. origin: Benin. local name: Tio
Dati. collector id: 635. other id: NSL 169476.
locality: Perma village. remarks: Growing season 80
days. Cultivated. Seed.

PI 513898 to 514271-continued

- PI 514242 donor id: Sg. 4437. origin: Benin. local name: Yofoto. collector id: 636. other id: NSL 169477. locality: Perma village. remarks: Growing season 90 days. Cultivated. Seed.
- PI 514243 donor id: Sg. 4440. origin: Benin. local name: Moussi. collector id: 639. other id: NSL 169478. locality: Anou village. remarks: Growing season 150 days. Cultivated. Seed.
- PI 514244 donor id: Sg. 4442. origin: Benin. local name: Mla Tiapao. collector id: 644. other id: NSL 168278. locality: Dompago village. remarks: Growing season 210 days. Race Guinea. Cultivated. Seed.
- PI 514245 donor id: Sg. 4448. origin: Benin. local name: Katieka Mla. collector id: 650. other id: NSL 168279. locality: Dompago village. remarks: Growing season 150 days. Race Guinea. Cultivated. Seed.
- PI 514246 donor id: Sg. 4451. origin: Benin. local name: Zou Molara. collector id: 654. other id: NSL 169479. locality: Djougou village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514247 donor id: Sg. 4452. origin: Benin. local name: Agouani. collector id: 655. other id: NSL 169480. locality: Djougou village. remarks: Growing season 180-210 days. Cultivated. Seed.
- PI 514248 donor id: Sg. 4454. origin: Benin. local name: Gounoro Kimega. collector id: 658. other id: NSL 169481. locality: Bodi village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514249 donor id: Sg. 4455. origin: Benin. local name: Gounoro Djouni. collector id: 659. other id: NSL 169482. locality: Bodi village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514250 donor id: Sg. 4457. origin: Benin. local name: Gounorofono. collector id: 662. other id: NSL 169483. locality: Bodi village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514251 donor id: Sg. 4458. origin: Benin. local name: Anofono. collector id: 664. other id: NSL 169484. locality: Bassila village. remarks: Growing season 150 days. Cultivated. Seed.

PI 513898 to 514271-continued

- PI 514252 donor id: Sg. 4460. origin: Benin. local name: Igbangba. collector id: 666. other id: NSL 169485. locality: Bassila village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514253 donor id: Sg. 4463. origin: Benin. local name: Mla. collector id: 669. other id: NSL 169486. locality: Prekete village. remarks: Growing season 150 days. Cultivated. Seed.
- PI 514254 donor id: Sg. 4464. origin: Benin. local name: Dompago. collector id: 670. other id: NSL 169487. locality: Pira village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514255 donor id: Sg. 4465. origin: Benin. local name: Dompago. collector id: 671. other id: NSL 169488. locality: Pira village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514256 donor id: Sg. 4469. origin: Benin. local name: Zoupera. collector id: 675. other id: NSL 169489. locality: Kakandoni village. remarks: Growing season 150 days. Cultivated. Seed.
- PI 514257 donor id: Sg. 4470. origin: Benin. local name: Zoumora. collector id: 676. other id: NSL 169490. locality: Kakandoni village. remarks: Growing season 150 days. Cultivated. Seed.
- PI 514258 donor id: Sg. 4471. origin: Benin. local name: Anorofono. collector id: 680. other id: NSL 169491. locality: Godowari village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514259 donor id: Sg. 4472. origin: Benin. local name: Anoroikinka. collector id: 681. other id: NSL 169492. locality: Godowari village. remarks: Growing season 180 days. Cultivated. Seed.
- PI 514260 donor id: Sg. 4473. origin: Benin. local name: Baba. collector id: 682. other id: NSL 168280. locality: Aoro village. remarks: Race Guinea. Cultivated. Seed.
- PI 514261 donor id: Sg. 4474. origin: Benin. local name: Babakuikwan. collector id: 683. other id: NSL 168281. locality: Aoro village. remarks: Growing season 120 days. Race Guinea. Cultivated. Seed.

PI 513898 to 514271-continued

- PI 514262 donor id: Sg. 4475. origin: Benin. local name: Baba. collector id: 685. other id: NSL 168282. locality: Bante village. remarks: Growing season 210 days. Race Guinea. Cultivated. Seed.
- PI 514263 donor id: Sg. 4476. origin: Benin. local name: Baba. collector id: 686. other id: NSL 168283. locality: Doume village. remarks: Growing season 180 days. Race Guinea. Cultivated. Seed.
- PI 514264 donor id: Sg. 4477. origin: Benin. local name: Baba Founfoun. collector id: 687. other id: NSL 168284. locality: Doume village. remarks: Growing season 90 days. Race Guinea. Cultivated. Seed.
- PI 514265 donor id: Sg. 4478. origin: Benin. local name: Tchakpalo. collector id: 688. other id: NSL 167402. locality: Doume village. remarks: Growing season 180-210 days. Race Durra. Cultivated. Seed.
- PI 514266 donor id: Sg. 4479. origin: Benin. collector id: 689. other id: NSL 169493. locality: Agouna village. elevation: 1000-1100m. Cultivated. Seed.
- PI 514267 donor id: Sg. 4480. origin: Benin. local name: Baba Kpikpa. collector id: 690. other id: NSL 168285. locality: Tchetti village. elevation: 1000-1100m. remarks: Growing season 90-120 days. Race Guinea. Cultivated. Seed.
- PI 514268 donor id: Sg. 4481. origin: Benin. local name: Baba Founfoun. collector id: 691. other id: NSL 168286. locality: Tchetti village. elevation: 1000-1100m. remarks: Growing season 120 days. Race Guinea. Cultivated. Seed.
- PI 514269 donor id: Sg. 4482. origin: Benin. local name: Baba Djougou. collector id: 692. other id: NSL 168287. locality: Tchetti village. elevation: 1000-1100m. remarks: Growing season 120 days. Race Guinea. Cultivated. Seed.
- PI 514270 donor id: Sg. 4483. origin: Benin. local name: Tchakpalo. collector id: 693. other id: NSL 167403. locality: Tchetti village. elevation: 1000-1100m. remarks: Growing season 180 days. Race Durra. Cultivated. Seed.

PI 513898 to 514271-continued

PI 514271 donor id: Sg. 4484. origin: Benin. local name: Baba Founfoun. collector id: 694. other id: NSL 168288. locality: Tchetti village. elevation: 1000-1100m. remarks: Growing season 120-150 days. Race Guinea. Cultivated. Seed.

PI 514272 to 514273. *Medicago sativa* nsubsp. *varia* (Martyn) Arcang.
FABACEAE Alfalfa

Donated by: Elgin, J.H., National Program Staff, USDA-ARS, Beltsville, Maryland, United States. Received September 19, 1986.

PI 514272 origin: Soviet Union. collected: August 30, 1986. collector: J.H. Elgin. locality: Walkway, partial sun, Botanic Garden, Univ. of Odessa, Odessa State. Wild. Seed.

PI 514273 donor id: UNKNOWN. origin: Soviet Union. collected: August 31, 1986. collector: J.H. Elgin. locality: Hillside, approaching shoreline of Black Sea, S side of Odessa, Odessa State. Wild. Seed.

PI 514274. *Medicago sativa* L. FABACEAE Alfalfa

Donated by: Elgin, J.H., National Program Staff, USDA-ARS, Beltsville, Maryland, United States. Received September 86, 1986.

donor id: UNKNOWN. origin: Soviet Union. collected: September 11, 1986. collector: J.H. Elgin. locality: Botanical Garden, Tashkent. remarks: Flowers light to dark purple. Pods small, coiled. Growth vigorous, sprawling. Wild. Seed.

PI 514275. *Malus hybrid* ROSACEAE Crabapple

Donated by: Humphrey, E., Rose Lake Plant Materials Center, USDA-SCS, 7472 Stoll Road, East Lansing, Michigan, United States. remarks: Received through National Plant Materials Center, USDA-SCS, Beltsville, Maryland. Received January 11, 1988.

donor id: T05032. **origin:** United States. **pedigree:** Selection from Mich-860. **other id:** Mich-1704. **remarks:** Tree, small, compact to 10m. Branches ascending, deep red. Leaves red in spring and fall. Flowers pink. Fruit bright red, .94-1.46cm. Used as shrub in single row windbreaks, rural roadside beautification, wildlife food and cover planting and for plantings in recreational developments. Adapted to sandy loam, loamy sand and gravelly soils throughout midwest except western North and South Dakota. Cultivated. Seed.

Scientific Name Cross Reference

Aegilops tauschii	511376-511380	512336, 512594-512644
Aegilops tauschii subsp. strangulata	511381-511385	Cucurbita ficifolia 511891-511895, 512092-512093, 512645-512659
Aegilops tauschii subsp. tauschii	511365-511375	Cucurbita foetidissima 511896, 512094-512098
Aegilops tauschii var. anathera	511362-511363	Cucurbita martinezii 512099-512109
Aegilops tauschii var. meyerii	511364	Cucurbita maxima 512110, 512660-512696
Allium cepa	512325-512329	Cucurbita mixta 511897-511936, 512111-512140
Allium fistulosum	512032-512033	Cucurbita moschata 511937-511966, 512141-512183
Allium pseudocepa	512034	Cucurbita pepo 511967-511984, 512184-512193, 512697-512888
Allium vavilovii	512035	Cucurbita radicans 512194-512196
Amaranthus caudatus	511679-511712	Cucurbita sororia 511985-511994, 512197-512234
Amaranthus cruentus	511713-511732, 511876	Cynodon sp. 511312
Amaranthus hypochondriacus	511877	Daucus pusillus 511864
Amaranthus quitensis	511733-511750	Eryngium sanguisorba 511863
Amaranthus sp.	511751-511754	Festuca arundinacea 511351-511352, 512305-512320
Anthephora pubescens	511306	Glycine max 511356-511361, 511813, 511866-511869, 512039, 512322-512324, 513382
Apodanthera undulata	512088-512090	Gossypium hirsutum 511345-511350, 511353-511354, 513381, 513383-513396
Arachis hypogaea	511878, 512237-512251, 512263-512279	Guizotia abyssinica 511305
Astragalus cicer	512303-512304	Helianthus annuus 511760
Avena sativa	511871-511873, 512038	Hordeum vulgare 511389-511390, 511761, 512036-512037, 512252, 513154-513236
Benincasa hispida	512330	Lagenaria siceraria 511995-511996, 512889-512898
Beta vulgaris	512298-512299	Lathyrus sp. 513237-513252
Capsicum annuum	511879-511884	Lens culinaris 513253-513378
Capsicum annuum var. glabriusculum	511885-511887	Lespedeza sp. 511304
Cayaponia attenuata	511888	Linum usitatissimum 512292-512295
Chenopodium quinoa	511755-511759	Lolium perenne 512321
Cicer arietinum	512300-512301, 513137-513153	Luffa aegyptiaca 512236
Citrullus lanatus	511889, 512331-512332, 512339-512407	Lupinus angustifolius 511812
Cucumis anguria	512091	Lupinus mutabilis 511762
Cucumis melo	512333-512335, 512408-512589	Lycopersicon esculentum 512899-513135
Cucumis melo var. dudaim	511890	Malus hybrid 514275
Cucumis melo var. flexuosus	512590-512593	Medicago sativa 511293-511303, 511387, 511814-511816, 512289, 514274
Cucumis sativus	511817-511822,	Medicago sativa nsubsp. varia 514272-514273

Momordica charantia	511997	511835, 511840, 512014, 513397-514271
Mucuna pruriens var. utilis	511388	
Nicotiana tabacum	511339-511344, 511808-511811, 511861-511862, 512055, 512287-512288, 512296-512297	Sorghum sp. 511024
Ocimum selloi	511865	Thladiantha calcarata 513136
Pennisetum glaucum	511025-511052, 511386, 512041-512054	Trifolium repens 512040
Phaseolus amabilis	511998	Triticum aestivum 511307-511308, 511673-511678, 511849, 511874-511875, 512253-512262, 512281-512282, 512302, 512337-512338
Phaseolus coccineus	511999-512000	UNIDENT-Cucurbitaceae sp. 512235
Phaseolus ritensis	512001	Vicia faba 512015
Phaseolus vulgaris	511763-511769, 512002-512004	Vigna unguiculata subsp. sesquipedalis 512286
Physalis sp.	512005-512012	X Triticosecale sp. 511870
Pisum sativum	511770, 512013, 512280	Zea mays 511309-511311, 511313-511318, 511391-511672, 511771-511784, 511804-511807, 511836-511838, 512016-512029
Pisum sativum subsp. sativum	512080-512087	Zea mays subsp. mays 512031
Pisum sativum var. arvense	512056-512079	Zea mays subsp. mexicana 512030
Pisum sp.	513379-513380	
Poa pratensis	511338	
Prunus buergeriana	510853, 512283	
Prunus cerasoides var. campanulata	510883-510889	
Prunus hybrid	510764-510767	
Prunus incisa	510768-510771	
Prunus maximowiczii	510772, 510854, 512284	
Prunus nipponica	510773	
Prunus nipponica var. kurilensis	510774-510786	
Prunus sargentii	510787-510838	
Prunus sp.	510839	
Prunus taiwaniana	510892	
Prunus takasagomontana	510890-510891	
Prunus takesimensis	510855-510882	
Prunus verecunda	510840	
Prunus x yedoensis	510841-510852, 512285	
Saccharum hybrid	512290-512291	
Sesbania pachycarpa	511292	
Setaria sphacelata	511839	
Solanum hybrid	511846-511847	
Solanum tuberosum	511841-511845, 511848, 511850-511860	
Sorghum bicolor	510893-511023, 511053-511291, 511319-511337, 511355, 511785-511803, 511823-	

Common Name Cross Reference

Alfalfa	511293-511303,511387, 511814-511816,512289,514272- 514274	Quinoa	511755-511759
Balsam pear	511997	Sargent cherry	510787-510838
Barley	511389-511390,511761, 512036-512037,512252,513154- 513236	Scarlet runner bean	511999- 512000
Bermudagrass	511312	Sorghum	510893-511023,511053- 511291,511319-511337,511355, 511785-511803,511823-511835, 511840,512014,513397-514271
Bottle gourd	511995-511996, 512889-512898	Soybean	511356-511361,511813, 511866-511869,512039,512322- 512324,513382
Bottlebrush grass	511306	Sugarbeet	512298-512299
Broadbean	512015	Sugarcane	512290-512291
Buffalo gourd	511896,512094- 512098	Summer squash	511937-511966
Bunching onion	512032-512033	Sunflower	511760
Chickpea	512300-512301,513137- 513153	Sweet corn	511806-511807
Cicer milkvetch	512303-512304	Tall Fescue	511351-511352
Common oat	511871-511873, 512038	Tall fescue	512305-512320
Common wheat	511307-511308, 511673-511678,511849,511874- 511875,512253-512262,512281- 512282,512302,512337-512338	Teosinte	512030
Corn	511309-511311,511313- 511318,511771-511784,511804- 511805,511836-511838,512016- 512029,512031	Tobacco	511339-511344,511808- 511811,511861-511862,512055, 512287-512288,512296-512297
Cotton	511345-511350,511353- 511354,513381,513383-513396	Tomato	512899-513135
Crabapple	514275	Triticale	511870
Cucumber	511817-511822,512336	Vegetable sponge	512236
European blue lupine	511812	Velvet bean	511388
Field corn	511391-511672	Watermelon	511889,512331- 512332,512339-512407
Field pea	512056-512079	Waxgourd	512330
Figleaf gourd	511891-511895, 512092-512093,512645-512659	White clover	512040
Flax	512292-512295	Winter squash	512110,512660- 512696
Garden bean	511763-511769, 512002-512004	Yard-long bean	512286
Garden pea	511770,512013, 512080-512087,512280		
Kentucky bluegrass	511338		
Korean cherry	510772,512284		
Lentil	513253-513378		
Melon	512333-512335		
Niger	511305		
Onion	512325-512329		
Peanut	511878,512237-512251, 512263-512279		
Pearl millet	511025-511052, 511386,512041-512054		
Perennial ryegrass	512321		
Potato	511841-511845,511848, 511850-511860		

Acronyms

For space conservation and consistency in identifying locations, the following acronyms have been used in Plant Inventory No. 196:

- APHIS - Animal and Plant Health Inspection Service (U.S. Department of Agriculture)
- ARS - Agricultural Research Service (U.S. Department of Agriculture)
- CIMMYT - Centro Internacional de Mejoramiento de Maiz y Trigo (Mexico)
- CIP - Centro Internacional de la Papa
- CSIRO - Commonwealth Scientific and Industrial Research Organization (Australia).
- FAO - Food and Agriculture Organization of the United Nations
- IBPGR - International Board for Plant Genetic Resources
- ICRISAT - International Crops Research Institute for Semi-Arid Tropics (India)
- IITA - International Institute of Tropical Agriculture (Nigeria)
- SCS - Soil Conservation Service (U.S. Department of Agriculture)
- USAID - U.S. Agency for International Development
- VIR - N.I. Vavilov Institute of Plant Industry (USSR)