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LOOSE LIST

Plant Inventory No. 182

UNITED STATES DEPARTMENT OF AGRICULTURE



Washington, D.C., March 1976

2071

PLANT MATERIAL INTRODUCED JANUARY 1 TO DECEMBER 31, 1974 (NOS. 384428 to 391684) c5 //

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DEPARTMENT OF AGRICULTURE
 PLANT MATERIAL RECORDS
 CURRENT SERIAL RECORDS
 MAR 1975

This inventory, No. 182, lists the plant material (Nos. 384428 to 391684) received by the Germplasm Resources Laboratory, Plant Genetics and Germplasm Institute, Agricultural Research Service, during the period from January 1 to December 31, 1974. The inventory is a historical record of plant material introduced for Department and other specialists and is not to be considered as a list of plant material for distribution.

The species names used are those under which the plant material was received. These have been corrected only for spelling, authorities and obvious synonymy. Questions related to the names published in the Inventory and obvious errors should be directed to the author. If misidentification is apparent, please submit a herbarium specimen with flowers and fruit for reidentification.

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INVENTORY

384428. BRASSICA OLERACEA var. BOTRYTIS L. Cruciferae. Cauliflower.

From India. Seed presented by B. Choudhary, Division of Vegetables and Floriculture, Indian Agricultural Research Institute, New Delhi. Received January 15, 1974.

MGS-2-3. Resistant to black rot.

384429 to 384432. SACCHARUM (hybrid) Gramineae. Sugarcane.

From Hawaii. Cuttings presented by Hawaiian Sugar Planters Association, Honolulu. Received February 15, 1974.

384429. 'H48-2094'.

384431. 'H51-8194'.

384430. 'H49-3945'.

384432. 'H60-6909'.

384433. MEDICAGO SATIVA L. Leguminosae. Alfalfa.

From Turkey. Seed held at North Central Plant Introduction Station, Ames, Iowa. Received January 28, 1974.

Component of P.I. 352709 *Medicago radiata* from Turkey.

384434. SACCHARUM (hybrid) Gramineae. Sugarcane.

From Fiji. Cuttings presented by The Fiji Sugar Corporation Ltd., of Lautoka. Received January 29, 1974.

'Yasawa'.

384435. CAMELLIA (hybrid) Theaceae.

From United States. Plant selected by W. L. Ackerman, U.S. Plant Introduction Station, Glenn Dale, Maryland. Received January 9, 1974.

'Cinnamon Cindy'. *C. japonica* 'Kenyo-tai' (P.I. 231859) x *C. lutchuensis* (P.I. 226756). Medium upright growth. White center, outer petals white blending to rose pink. Peony form, 18 rose pink edged petals, 22 white petaloids. Miniature 5.7 cm across, deep cinnamon fragrance. Blooms November to February under greenhouse conditions in Maryland. (63-12).

384436 to 384444. VITIS VINIFERA L. Vitaceae. European grape.

From Italy. Cuttings presented by Istituto Di Patologia Vegetale, Bari. Received December 12, 1973.

384436. LR-5 Moscatoello.

384441. EN-LR-1 Sangiovese.

384437. LR-1 Regina.

384442. EN-LR-2 Sangiovese.

384438. LR-2 Regina.

384443. EN-LR-3 Sangiovese.

384439. LR-3 Regina.

384444. EN-LR-4 Sangiovese.

384440. LR-4 Regina.

384445. FRAGARIA VESCA L. Rosaceae. European strawberry.

From England. Plants presented by W. H. Cragg, Newchurch, Romney Marsh Kent. Received December 18, 1973.

'Domani'.

384446 and 384447. CARPINUS BETULUS L. Betulaceae.
European hornbeam.

From Union of Soviet Socialist Republics. Seed presented by Botanic Garden, Riga/Salaspils, Latvia. Received December 20, 1973.

384446. 'Cirava'.

384447. 'Salaspils'.

384448 to 384450.

From Germany. Seeds presented by Director, Botanischer Garten der Stadt Essen, Essen. Code numbers refer to 1969 Index Seminum. Received January 3, 1974.

384448. ASPARAGUS ASPARAGOIDES (L.) W. F. Wight Liliaceae.

Smilax asparagus.

799.

384449. ASPARAGUS DENSIFLORUS (Kunth) Jessop
 801. 'Sprengeri'.

384450. ASPARAGUS OFFICINALIS L.
 800.

Garden asparagus.

384451. COTONEASTER LUCIDA Schlecht. Rosaceae.

From Union of Soviet Socialist Republics. Plants held at Plant Introduction Station, Agricultural Research Service, Glenn Dale, Maryland. Received February 1, 1974.

Yakutak Botanical Garden, Siberia. This species used in hedge trials where winter temperatures of minus 70° F are recorded. Plant shows no apparent winter injury at Glenn Dale.

384452. PERISTROPHE SPECIOSA (Roxb.) Nees Acanthaceae.

From Nepal. Plants held at Plant Introduction Station, Agricultural Research Service, Glenn Dale, Maryland. Received February 1, 1974.

Edge of cliff by Mande River near Biretante. Tender, herbaceous plant grown for its blooms. Plant erect, spreading, branched with tubular stems, becoming 0.6 to 0.9 m high. Leaves opposite ovate-acuminate, smooth. Flowers two petioled in clusters of 2 to 3 on slender stems, orchid violet purple, 4.4 cm long. Blooms for a long period in winter.

384453. ROSA RUGOSA Thunb. Rosaceae. Rugosa rose.

From Union of Soviet Socialist Republics. Plants held at Plant Introduction Station, Agricultural Research Service, Glenn Dale, Maryland. Received February 1, 1974.

Komarov Botanical Garden, Leningrad. Cuttings from a single plant. Variety with bright pink, double flowers; especially hardy form.

384454 to 384464. HORDEUM VULGARE L. Gramineae.

Barley.

From Union of Soviet Socialist Republics. Seed grown at Krasnodar Experiment Station and presented through N.I. Vavilov Institute of Plant Industry, Leningrad. Received November 26, 1973.

384454. '45 M1'. Winter.

384455. '44 M5'. Winter.

384456. 'KM-1'. Winter.

384457. 'Krasnodarskij 16'. Winter.

384458. 'Krasnodarskij 1918'. Winter.

384459. 'Krasnodarskij 2429'. Winter.

384454 to 384464—Continued

384460. 'Krasnyj Dar'. Winter.
 384461. 'Kruglik 21'. Winter.
 384462. 'Poisk'. Winter.
 384463. 'Start'. Winter.
 384464. 'Zavet'. Winter.

384465. BROMUS BREVIS Steud. Gramineae.

From Argentina. Seed presented by J. R. Batallanez, Forestal Pergamino S. A., Pergamino, Buenos Aires. Received January 7, 1974.

'Cebadilla Pampeana'.

384466 to 384475. GLYCINE MAX (L.) Merr. Leguminosae.

Soybean.

From Ethiopia. Seed presented by D. R. Schmidt, Agronomist, Agricultural Experiment Station, Debre Zeit. Received January 9, 1974.

384466. 6106. 'Amurskaja 310'. Far East.
 384467. 4112. 'Amurskaja 041'. Far East.
 384468. 5950. 'Komsomolka'. Krasnodar Territory.
 384469. 5573. 'Kubanskaja 33'. Krasnodar Territory.
 384470. 5692. 'Osetinskaja 132'. North Osetian.
 384471. 5651. 'Nepolegajuscaja 2'. Moldavia.
 384472. 5622. 'Primorskaja 494'. Far East.
 384473. 4167. 'Primorskaja 529'. Far East.
 384474. 4987. 'VNIIMK 7'. Krasnodar Territory.
 384475. 5570. 'Yubilejnaja'. Far East.

384476. VOANDZEIA SUBTERRANEA Thou. ex DC.

Leguminosae.

From Ethiopia. Seed collected by C. A. Temple and presented through A. W. Sudholt, United States Agency for International Development, Addis Ababa. Received January 7, 1974.

Gambela. Seed medium size, tan with dark brown to purplish flecks.

384477. ARACHIS HYPOGAEA L. Leguminosae. Peanut.

From Philippines. Seed presented by Legume Crop Section, University of Philippines, College of Agriculture Gene Bank, Los Banos, Laguna. Received December 20, 1973.

'CES 101'.

384478 to 384480. LOLIUM PERENNE L. Gramineae.

Perennial ryegrass.

From Poland. Seed presented by Marchwacz Plant Breeding Station, Kalisz, Poznan Province. Received December 20, 1973.

384478. 'Argo'.
 384479. 'Glasnevin'.
 384480. 'Mito'.

384481. TRITICUM DURUM Desf. Gramineae. Durum wheat.

From Iraq. Seed presented by R. S. Marouf, Director General Field Crops, Abu-Ghraib (Baghdad). Received January 9, 1974.

'Mexican 311'.

384482 and 384483. TRIFOLIUM ALEXANDRINUM L.

Leguminosae.

Berseem clover.

From Turkey. Seed presented by Kaya Alpman, Agricultural Research and Introduction Centre, Menemen, Izmir. Received January 7, 1974.

384482. CRIC 210-64. Australia.

384483. CRIC 1985-65. Terkirdag.

384484. TRITICUM DICOCCON Schrank Gramineae.

From Ethiopia. Seed presented by Institute of Agricultural Research, Addis Ababa. Received January 10, 1974.

'LAT/T/105'. Holetta Research Station.

384485. ORIGANUM VULGARE L. Labiatae. Wild marjoram.

From Greece. Seed presented by N. Kontos, Director, Cotton Research Institute, Thessaloniki, Sindos. Received January 3, 1974.

Native collection.

384486. TRITICUM DURUM Desf. Gramineae. Durum wheat.

From Ethiopia. Seed presented by G. Hagos, Agriculture Department, Imperial Ethiopian Government, Asmara. Received January 9, 1974.

'R-18'. Paradise Research Station.

384487 to 384492.

From Union of Soviet Socialist Republics. Seed presented by Botanic Garden, Tashkent, Uzbekistan. Code numbers refer to 1973 Index Seminum. Received December 18, 1973.

384487. GLEDITSIA CASPICA Desf. Leguminosae. **Caspian honeylocust.**
1215.

384488. GLEDITSIA DELAVAYI Franch.
1216.

384489. GLEDITSIA HETEROPHYLLA Bunge. **Honeylocust.**
1217.

384490. GLEDITSIA × TEXANA Sarg.
1218. (*G. triacanthos* × *aquatica*).

384491. GLEDITSIA TRIACANTHOS L. **Honeylocust.**
1219.

384492. GLEDITSIA TRIACANTHOS f. INERMIS (L.) Zabel.
1220.

384493 and 384494. LONICERA CAERULEA L. Caprifoliaceae.**Strawberry honeysuckle.**

From United States. Plants held at Regional Plant Introduction Station, Agricultural Research Service, Ames, Iowa. Received February 6, 1974.

384493. 13. Seedling selection from P.I. 276114. An irregular, low spreading dwarf shrub, 0.5 × 0.6 to 1.1 m. Leaves deciduous, medium green, entire, oval or obovate, 3.0 to 4.5 cm long, 2.2 to 2.5 cm wide, margin ciliate, apex acute, truncate or obtuse base, slightly pubescent, petioled. Twigs yellow finally turning brown, smooth. Flowers early, cream colored, followed by many dark blue fruits. Drought and cold hardy in central Iowa. Cultivated.

384494. 33. Seedling selection from P.I. 276114. An irregular spreading dwarf shrub, with a short stem, 0.5 × 0.8 to 1.0 m. Leaves deciduous, medium green, entire, oblanceolate, elliptic or oblong, 2.7 to 5.1 cm long, 1.0 to 1.6 cm wide, margin ciliate, apex acute, mucronulate, base attenuate, slightly pubescent, veins netted below, petioled. Twigs yellow finally turning brown, smooth. Flowers early, cream colored followed by dark blue fruits. Drought and cold hardy in central Iowa. Cultivated.

384495 and 384496. RHODODENDRON (hybrid) Ericaceae.

From United States. Plants held by United States National Arboretum, Agricultural Research Service, Washington, D.C. Received January 30, 1974.

384495. NA-35823. 'Casablanca Tetraploid'. Colchicine-induced tetraploid plant produced by R. L. Pryor from the cultivar 'Casablanca' (*R. indicum* × 'Snow'). The growth habit of the tetraploid is much the same but the persistent leaves are darker green, and the clear white flowers are larger and heavier in substance than the diploid cultivar. Hardiness range is similar to the diploid 'Casablanca'.

384496. NA-35824. 'Guy Yerkes Tetraploid'. Colchicine-induced tetraploid plant produced by R. L. Pryor from the cultivar 'Guy Yerkes' (*R. kaempferi* × 'Snow'). While retaining the attractive growth habit and delightful flowers of the diploid cultivar, the tetraploid presents a more substantial plant in all aspects. The salmon-pink, hose-in-hose flowers are much larger than those of the diploid. It will be hardy in all areas where the original 'Guy Yerkes' has proved successful.

384497. PASSIFLORA (hybrid) Passifloraceae.

From United States. Seedling selection made at Subtropical Horticulture Research Station, Miami, Florida. Received February 6, 1974.

'Incense'. A hybrid of the Maypop, *P. incarnata* with *P. cincinnata* (P.I. 298883 from Argentina). Flowers large, violet to blue, fragrant. Fruit olive colored, ovoid, 3.8 cm by 5.0 cm, edible.

384498 to 384501. ARACHIS HYPOGAEA L. Leguminosae.**Peanut.**

From Rhodesia. Seed presented by G. L. Hildebrand, Salisbury Research Station, Causeway. Received January 15, 1974.

384498. 'Apollo'. Commercial variety.

384499. Salisbury No. 213/66. White seed.

384500. Salisbury No. 216/63. White seed.

384501. Salisbury No. 316/66. White seed.

384502 to 384505.

From Ethiopia. Seed presented by D. R. Schmidt, Agronomist, Agricultural Experiment Station, Debre Zeit. Received January 10, 1974.

384502. PHASEOLUS VULGARIS L. Leguminosae. **Common bean.**
'Negro Mecentral'. Plant leaves point upward. Seed black. Good local resistance to bacterial blight and anthracnose. Origin unknown.

384503 to 384505. PISUM SATIVUM L. Leguminosae. **Pea.**

384503. 4720. 'Ramonskij 77'. Voronezh Region, Soviet Union.

384504. 5614. 'Uladvorskij 6'. The Ukraine, Soviet Union.

384505. 5705. 'Kazanskij 38'. Tataria, Soviet Union.

384506 to 384512.

From United States. Seed grown at Northeastern Regional Plant Introduction Station, Agricultural Research Service, Geneva, New York. Received December 27, 1973.

384506 and 384507. MEDICAGO FALCATA L. Leguminosae.

Yellow-flowered alfalfa.

384506 to 384512—Continued**384506 and 384507—Continued**

384506. G-15178. Received from Leningrad, Soviet Union via Ottawa Research Station, Ottawa, Canada. Uniform, semi-upright habit, good vigor, plant height 50 cm, width 100 cm. Medium crown width, fine stems, small leaves, late blooming, yellow flowers. Frost tolerant and very tolerant to leaf spot caused by *Pseudopeziza medicaginis*. Cultivated.

384507. G-15179. Received 1955 at Ottawa Research Station, Ottawa, Canada from Leningrad, Soviet Union. Transmitted to Geneva 1965. Uniform, relatively erect, good vigor, plant height 55 cm, width 110 cm. Wide spreading crown, small leaves, late blooming, yellow flowers. Sickie shape pods. Very tolerant to leaf spot caused by *Pseudopeziza medicaginis*. Cultivated.

384508 to 384512. MEDICAGO SATIVA L.**Alfalfa.**

384508. G-12574. Selection made 1965 from 'DuPuits' (F.C. 35985). Uniform, medium erect, medium vigor, plant height 40 cm, width 55 cm. Medium crown width, late blooming, purple flowers. Spiral pods. Very tolerant to leaf spot caused by *Pseudopeziza medicaginis*. Cultivated.

384509. G-12895. 'Arizona Large Seeded Arabian'. Originally from M. H. Schonhorst, Department of Agronomy, University of Arizona, Tucson, Arizona. Uniform, medium prostrate habit, height 55 cm, width 65 cm. Medium to narrow crown width, late blooming, light purple or violet flowers. Spiral pods. Very tolerant to leaf spot caused by *Pseudopeziza medicaginis*. Cultivated.

384510. G-20540. Synthetic 2 generation (C-6) from United States Pasture Laboratory, University Park, Pennsylvania. Connecticut clones A, F, G, and J parental lines. Uniform, medium erect, good vigor, plant height 50 cm, width 90 cm. Medium crown width, late blooming, medium dark purple or violet flowers. Spiral pods. Very tolerant to leaf spot caused by *Pseudopeziza medicaginis*.

384511. G-20546. Synthetic C-12 from United States Pasture Laboratory, University Park, Pennsylvania. Connecticut clones B, E, H, and J parental lines. Medium uniformity, semi-upright habit, medium vigor, plant height 50 cm, width 100 cm. Wide crown, dark green leaves, medium time of blooming, purple flowers. Very tolerant to leaf spot caused by *Pseudopeziza medicaginis*. Cultivated.

384512. G-20549. Synthetic 2 generation (C-15) from United States Pasture Laboratory, University Park, Pennsylvania. Connecticut clones B, F, H, and I. Medium uniformity, semi-upright habit, poor vigor, height 50 cm, width 95 cm. Medium crown width, medium blooming, dark purple or violet flowers. Spiral pods. Very tolerant to leaf spot and caused by *Pseudopeziza medicaginis*. Cultivated.

384513. FRAGARIA VESCA L. Rosaceae. European strawberry.

From England. Plant presented by W. H. Cragg, Brooker Farm, Newchurch, Romney, Kent. Received January 8, 1974.

'Primella'.

384514. ASPARAGUS PSEUDOSCABER Grecesu. Liliaceae.

From Czechoslovakia. Seed presented by Arboretum Mlynany, Academia Scientiarum Slovaca, Slepčany, Received January 16, 1974.

384515 to 384519.

From Bahamas. Seed collected by A. J. Oakes, Plant Genetics and Germplasm Institute, Agricultural Research Service, Beltsville, Maryland. Received January 21, 1974.

384515. DOLICHOS LABLAB L. Leguminosae.**Hyacinthbean.**

1790. Nicholls Town, Andros Island. Viny type with white flowers. Seed light brown with white hilum. Plants escaped from cultivation. Local name Bonavist Vine. Wild.

384515 to 384519—Continued

384516 to 384519. *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit
Leguminosae.

384516. 1791. Nichols Town, Andros Island. Plants 3 to 5 m tall, medium number of branches. Wild.

384517. 1792. Nicholls Town, Andros Island. Plants 3 to 5 m tall, medium number of branches. Wild.

384518. 1793. Nicholls Town, Andros Island. Plants 3 to 5 m tall, medium number of branches. Wild.

384519. 1794. Nicholls Town, Andros Island. Plants 3 to 5 m tall, intermediate number of branches. Wild.

384520 to 384533. *CRAMBE ABYSSINICA* Hochst. ex R. E. Fries
Cruciferae.

From Ethiopia. Seed presented by D. R. Schmidt, Agronomist, Agricultural Experiment Station, Debre Zeit. Received January 16, 1974.

384520. A. Debre Zeit.	384527. 1. Dire Dawa.
384521. B. Debre Zeit.	384528. 2. Dire Dawa.
384522. C. Debre Zeit.	384529. 3. Dire Dawa.
384523. D. Debre Zeit.	384530. 4. Dire Dawa.
384524. E. Debre Zeit.	384531. 5. Dire Dawa.
384525. F. Debre Zeit.	384532. 6. Dire Dawa.
384526. G. Debre Zeit.	384533. 7. Dire Dawa.

384534 to 384537.

From Sweden. Seed presented by the Swedish Seed Association, Svalof. Received January 21, 1974.

384534. *BRASSICA CAMPESTRIS* L. Cruciferae. **Bird rape.**
'Rapido III'.

384535 to 384537. *BRASSICA NAPUS* L. **Rape.**

384535. 'Hector'.

384536. 'Norde'.

384537. 'Sinus'.

384538. *BENINCASA HISPIDA* (Thunb.) Cogn. Cucurbitaceae.

From United States. Seed presented by Herbert Wong, Cutler, California. Received January 28, 1974.

Winter melon producing good, thick meat with ample moisture.

384539 to 384586.

From Portugal. Seed collected June 1973 by Ian Forbes, Jr., Coastal Plains Experiment Station, Tifton, Georgia, and J. S. Gladstones, Department of Agriculture, Perth, Australia. Received November 7, 1973.

384539 to 384553. *LUPINUS ANGUSTIFOLIUS* L. Leguminosae.
Bitter blue lupine.

384539. P-3. On road to Evora, 17 km north of Portel. Elevation 250 m. Herbaceous annual. Erect branched. Pale brown gritty loamy sand. Among cork oaks. Wild.

384540. P-4. Evora, outskirts of town on road to Estremoz. Elevation 250 m. Herbaceous annual. Erect branched. Light brown gritty loamy sand. Roadside agriculture. Wild.

384541. P-5. On road to Redondo, 4 km from San Miquel de Machede. Elevation 350 m. Herbaceous annual. Erect branched. Light brown gritty loamy sand. Roadside agriculture. Wild.

384539 to 384586—Continued**384539 to 384553—Continued**

- 384542.** P-6. Elvas. Elevation 350 m. Herbaceous annual. Erect branched. Brown gritty sandy loam. Edge of olive grove. Wild.
- 384543.** P-10. On road to Portalegre, 51 km from Estremoz. Elevation 300 m. Herbaceous annual. Erect branched. Light brown gritty loamy sand. Roadside agriculture. Among cork oaks. Wild.
- 384544.** P-12. On road to Castelo de Vide, 3 km from Portalegre. Elevation 500 m. Herbaceous annual. Erect branched. Light brown loamy sand. Roadside agriculture. Wild.
- 384545.** P-15. North of Castelo de Vide 4 km. Elevation 600 m. Herbaceous annual. Erect branched. Gray brown loamy sand. Roadside agriculture. Wild.
- 384546.** P-12. Vilareal. Elevation 400 m. Herbaceous annual. Erect branched. Gritty brown sandy loam. Among fruit trees. Wild.
- 384547.** P-26. Mirandela. Elevation 300 m. Herbaceous annual. Erect branched. Sticky brown loam. Edge of olive grove and road bank. Wild.
- 384548.** P-28. On road to Vilareal, 21 km from Viseu. Elevation 500 m. Herbaceous annual. Erect branched. Gray very gritty loamy sand. Roadside embankment. Wild.
- 384549.** P-33. On road to Nelas, 17 km from Viseu. Elevation 200 m. Herbaceous annual. Erect branched. Gray very gritty loamy sand. Roadside agriculture. Wild.
- 384550.** P-41. On road to Lamego, 16 km from Trancoso. Elevation 600 m. Herbaceous annual. Erect branched. Gritty gray sand. Wild.
- 384551.** P-50. On road to Vilareal, 8 km from Vidago. Elevation 450 m. Herbaceous annual. Erect branched. Coarse granite sand. Wasteland. Wild.
- 384552.** P-51. On road to Vilareal, 4 km from Vidago. Elevation 500 m. Herbaceous annual. Erect branched. Coarse granite sand. Roadside agriculture. Wild.
- 384553.** P-52. On road to Cascais, 0.5 km from sea, 10 km from Colares. Elevation 100 m. Herbaceous annual. Erect branched. Brown gritty sandy loam. Among low coastal scrub. Wild.
- 384554 to 384564.** LUPINUS HISPANICUS Bois & Reit. Lupine.
- 384554.** P-25. On road to Vilareal, 11 km from Murca. Elevation 700 m. Herbaceous annual. Gritty gray loamy sand. Edge of meadow. Wild.
- 384555.** P-27. Twelve km from Vilareal on route N 15 to Mirandela. Elevation 600 m. Herbaceous annual. Gray gritty loamy sand. Roadside agriculture. Wild.
- 384556.** P-26. On road to Vilareal, 21 km from Viseu. Elevation 500 m. Herbaceous annual. Gray very gritty loamy sand. Roadside embankment. Wild.
- 384557.** P-30. On road to Vilareal, 21 km from Viseu. Elevation 500 m. Herbaceous annual. May be hybrid of *Lupinus hispanicus* x *Lupinus luteus*. Gray very gritty loamy sand. Roadside embankment. Wild.
- 384558.** P-32. On road to Nelas, 9 km from Viseu. Elevation 250 m. Herbaceous annual. Gray very gritty loamy sand. Vineyard and ditch banks. Wild.
- 384559.** P-34. On road to Nelas, 17 km from Viseu, Elevation 200 m. Herbaceous annual. Gray very gritty loamy sand. Roadside agriculture. Wild.
- 384560.** P-35. On road to Nelas, 2 km from Mangualde. Elevation 400 m. Herbaceous annual. Very gritty gray sand. Wild.
- 384561.** P-39. On road to Lamego, 16 km from Trancoso. Elevation 600 m. Herbaceous annual. Gritty gray sand. Wild.

384539 to 384586—Continued**384554 to 384564—Continued**

384562. P-43. On road to Lamego, 39 km from Trancoso. Elevation 600 m. Herbaceous annual. Gray gritty loamy sand. Growing mixed with *Lupinus luteus*. Wild.

384563. P-46. On road to Mirandela, 10 km from Valpacos. Elevation 500 m. Herbaceous annual. Gray gritty sand. Low near river. Wild.

384564. P-49. On road to Vilareal, 2 km south of Vidago. Elevation 350 m. Herbaceous annual. Gray very gritty sand. Roadbank, forest country. Wild.

384565 and 384566. LUPINUS LUTEUS L. European yellow lupine.

384565. P-18. Vila Nova de Famalicao southwest of Braga. Elevation 100 m. Herbaceous annual. Very gritty gray brown loamy sand. Vacant land. Wild.

384566. P-22. Vilareal. Elevation 400 m. Herbaceous annual. Gritty brown sandy loam. Among fruit trees. Wild.

384567 to 384577. ORNITHOPUS COMPRESSUS L. Leguminosae.

384567. P-7. Elvas. Elevation 350 m. Herbaceous annual. Short grazed. Brown gritty sandy loam. Edge of olive grove. Wild.

384568. P-8. On road to Portalegre, 20 km from Estremoz. Elevation 300 m. Herbaceous annual. Grazed short. Pale brown very gritty loamy sand. Among cork oaks. Wild.

384569. P-11. On road to Portalegre, 41 km from Estremoz. Elevation 300 m. Herbaceous annual. Short grazed. Roadside agriculture. Wild.

384570. P-13. On road to Castelo de Vide, 3 km from Portalegre. Elevation 500 m. Herbaceous annual. Grazed short. Light brown loamy sand. Roadside agriculture. Wild.

384571. P-16. Four km north of Castelo de Vide. Elevation 600 m. Herbaceous annual. Grazed short. Gray brown loamy sand. Roadside agriculture. Wild.

384572. P-19. Vila Nova de Famalicao, southwest of Braga. Elevation 100 m. Herbaceous annual. Grazed short. Very gritty gray brown loamy sand. Vacant land. Wild.

384573. P-23. Vilareal. Elevation 400 m. Herbaceous annual, grazed short. Gritty brown sandy loam. Among fruit trees. Wild.

384574. P-36. On road to Viseu, 2 km from Celorico de Beira. Elevation 600 m. Herbaceous annual. Grazed short. Gray very gritty loamy sand. Agriculture rough grazing. Wild.

384575. P-40. On road to Lamego, 16 km from Trancoso. Elevation 600 m. Herbaceous annual. Grazed short. Gritty gray sand. Wild.

384576. P-45. On N 206 to Braganca, 27 km from Vila Pouca. Elevation 800 m. Herbaceous annual. Grazed short. Brown silty soil. Roadside embankment. Heavy grazing. Wild.

384577. P-54. On road to Cascais, 0.5 km from sea, 10 km from Colares. Elevation 100 m. Herbaceous annual. Grazed short. Brown gritty sandy loam. Among low coastal scrub. Wild.

384578 to 384581. ORNITHOPUS PINNATUS (Mill.) Druce

384578. P-9. On road to Portalegre, 20 km from Estremoz. Elevation 300 m. Herbaceous annual. Grazed short. Pale brown very gritty loamy sand. Among cork oaks. Wild.

384579. P-20. Vila Nova de Famalicao, southwest of Braga. Elevation 100 m. Herbaceous annual. Grazed short. Very gritty gray brown loamy sand. Vacant land. Wild.

384580. P-31. On road to Vilareal, 21 km from Viseu. Elevation 500 m. Herbaceous annual. Grazed short. Gray very gritty loamy sand. Roadside embankment. Wild.

384539 to 384586—Continued**384578 to 384581—Continued**

384581. P-37. On road to Viseu, 2 km from Celorico de Beira. Elevation 600 m. Herbaceous annual. Grazed short. Gray very loamy sand. Agriculture stony medium rough grazing. Wild.

384582 to 384586. TRIFOLIUM SUBTERRANEUM L. Leguminosae.**Subterranean clover.**

384582. P-14. On road to Castelo de Vide, 3 km from Portalegre. Elevation 500 m. Herbaceous annual. Grazed short. Light brown loamy sand. Wild.

384583. P-17. Four km north of Castelo de Vide. Elevation 600 m. Herbaceous annual. Grazed short. Gray brown loamy sand. Wild.

384584. P-38. Trancoso. Elevation 700 m. Herbaceous annual. Grazed short. Light brown gritty sandy loam. Edge of road. Wild.

384585. P-42. On road to Lamego, 36 km from Trancoso. Elevation 600 m. Herbaceous annual. Grazed short. Edge of road. Wild.

384586. P-44. On N 206 to Braganca, 27 km from Vila Pouca. Elevation 800 m. Herbaceous annual. Grazed short. Brown silty soil. Roadside embankment. Heavy grazing. Wild.

384587 to 384719.

From Morocco. Seed collected May 1973 by Ian Forbes, Jr., Coastal Plains Experiment, Tifton, Georgia, and J. S. Gladstones, Department of Agriculture, Perth Australia. Received August 21, 1973.

384587. LUPINUS ALBUS L. Leguminosae.**White lupine.**

FM-141. On road to Rabat, 2 km south of Kenitra. Herbaceous annual 0.6 to 0.9 m tall. Erect branches. Roadside agriculture Reddish silty sand soil.

384588 to 384608. LUPINUS ANGUSTIFOLIUS L.**Bitter blue lupine.**

384588. FM-6. On road to Kenitra, 20 km from Rabat. Elevation 50 m. Rainfall 500 mm. Herbaceous annual to 0.76 m tall. Erect branches. Roadside agriculture. Fine red-brown, loamy sand soil. Wild.

384589. FM-11. On road to Fez, 7 km from Kenitra. Elevation 50 m. Rainfall 550 mm. Herbaceous annual to 0.76 m tall. Erect branches. Fallow agriculture, little grazing. Fine red-brown loamy sand soil. Wild.

384590. FM-22. On road to Fez, 57 km east of Kenitra. Elevation 100 m. Rainfall 525 mm. Herbaceous annual 0.76 m tall. Erect branches. Fine brownish soil. Among *Eucalyptus*, no grazing. Wild.

384591. FM-27. On road to Mekness, 6 km east of Rabat. Elevation 50 m. Herbaceous annual to 0.76 m tall. Erect branches. Fallow agriculture, moderate grazing. Fine brown loamy sand soil. Wild.

384592. FM-32. On road to Mekness, 17 km east of Rabat. Elevation 100 m. Rainfall 550 mm. Herbaceous annual to 0.76 m tall. Erect branches. Fallow agriculture, very heavy grazing. Fine reddish-brown loamy sand soil. Wild.

384593. FM-39. On road to Mekness, 27 km east of Rabat. Elevation 150 m. Rainfall 525 mm. Herbaceous annual to 0.76 m tall. Erect branches. Roadside agriculture, moderate grazing. Pale brownish silty soil. Wild.

384594. FM-42. On road to Mekness, 38 km east of Rabat. Elevation 150 m. Rainfall 525 mm. Herbaceous annual to 0.76 m tall. Erect branches. Brownish loamy sand soil. Wild.

384595. FM-44. On road to Mekness, 65 km east of Rabat. Elevation 200 m. Rainfall 525 mm. Herbaceous annual 0.76 m tall. Erect branches. Fallow agriculture, light grazing. Pinkish-brown fine sand soil. Wild.

384596. FM-46. On road to Rommani, 11 km south of Rabat. Elevation 100 m. Rainfall 500 mm. Herbaceous annual to 0.76 m tall. Erect branches. On roadside edge of cork oak forest, heavy grazing. Brown silty sand soil. Wild.

384587 to 384719—Continued**384588 to 384608—Continued**

- 384597.** FM-49. On road to Rommani, 18 km south of Rabat. Elevation 100 m. Rainfall 500 mm. Herbaceous annual to 0.76 m tall. Erect branches. Fallow pasture agriculture, little grazing. Brown silty sand soil. Wild.
- 384598.** FM-75. On road to Tisnit, 46 km from Tafraoute, and 64 km from Tisnit. Elevation 1,200 m. Rainfall 375 mm. Herbaceous annual to 0.76 m tall. Erect branches. Weed in barley field. Brown rocky loam soil. Wild.
- 384599.** FM-78. On road to Tisnit, 5 km from Tafraoute. Elevation 1,000 m. Rainfall 200 mm. Herbaceous annual to 0.76 m tall. Erect branches. Roadside agriculture, slight grazing. Coarse granite sand soil. Wild.
- 384600.** FM-108. On road to Kenifra, 8 km from Oulmes. Elevation 1,000 m. Rainfall 700 mm. Herbaceous annual to 0.76 m tall. Erect branches. Edge of crop. Wild.
- 384601.** FM-120. On road to Fez, 40 km west of Taza. Elevation 330 m. Rainfall 600 mm. Herbaceous annual to 0.76 m tall. Erect branches. By road and in crop fallow. Gritty, friable, red-brown clay loam soil. Wild.
- 384602.** FM-124. On road to Al Hoceima, 30 km from Chechouene. Elevation 900 m. Rainfall 1,150 mm. Herbaceous annual to 0.76 m tall. Erect branches. Detrital broken up slate and clay mixed soil. Wild.
- 384603.** FM-125. On road to Al Hoceima, 25 km from Chechouene. Elevation 920 m. Rainfall 1,150 mm. Herbaceous annual to 0.76 m tall. Erect branched. Weed in crop and orchard. Detrital broken up slate and clay mixed. Wild.
- 384604.** FM-126. Just west of Taza on road to Al Hoceima, 23 km from Chechouene. Elevation 910 m. Rainfall 1,150 mm. Herbaceous annual to 0.76 m tall. Erect branched. Detrital, broken up slate and clay mixed soil. Wild.
- 384605.** FM-128. Just south of Chechouene. Elevation 650 m. Rainfall 900 mm. Herbaceous annual to 0.76 m tall. Erect branched. Friable pale brown slate loam soil. Wild.
- 384606.** FM-130. On road to Tetouane, 3 km north of Chechouene. Elevation 520 m. Rainfall 900 mm. Herbaceous annual to 0.76 m tall. Erect branched. Flaky, brown clay loam soil. Wild.
- 384607.** FM-136. On main inland route to Larache, 73 km from Tangier. Elevation 100 m. Rainfall 700 mm. Herbaceous annual to 0.76 m tall. Erect branched. Light brown friable clay loam soil. Wild.
- 384608.** FM-139. On road to Rabat, 10 km southeast of Larache. Herbaceous annual to 0.76 m tall. Erect branched. Roadside agriculture. Red-brown loamy sand soil. Wild.

384609 to 384614. LUPINUS ATLANTICUS Gladstones

- 384609.** FM-74. On road to Tisnit, 46 km from Tafraoute and 64 km from Tisnit. Elevation 1,200 m. Rainfall 375 mm. Herbaceous annual to 0.6 m tall. Erect branched. Weed in barley field. Brown rocky loam soil. Wild.
- 384610.** FM-76. On road to Tisnit, 14 km from Tafraoute. Elevation 1,000 m. Rainfall 200 mm. Herbaceous annual to 0.6 m tall. Erect branches. Gritty sandy loam soil. Wild.
- 384611.** FM-81. On road to Taroudant, 87 km from Marrakech. Elevation 1,200 m. Rainfall 400 mm. Herbaceous annual. Rubbly brown clay loam soil. Wild.
- 384612.** FM-83. One-half km southwest of village of Amizmiz. Elevation 1,000 m. Rainfall 490 mm. Herbaceous annual to 0.6 m tall. Erect branches. Schistose detritus soil. Wild.
- 384613.** FM-87. One km south of Amizmiz. Elevation 1,100 m. Rainfall 500 mm. Herbaceous annual to 0.6 m tall. Erect branches. Weed in barley crop. Rubbly brown loam soil. Wild.

384587 to 384719—Continued**384609 to 384614—Continued**

384614. FM-90. On road to Casablanca, 29 km north of Marrakech. Elevation 460 m. Rainfall 300 mm. Herbaceous annual to 0.6 m tall. Erect branches. Edge of wheat crop, little grazing. Stony clay loam soil. Wild.

384615 to 384628. LUPINUS COSENTINII Guss.

384615. FM-1. Coastal road from Casablanca to Rabat, 25 km south of Rabat, 1 km from coast. Elevation 30 m. Plant tall, 9.6 to 0.9 m. Main stem erect, bushy. Flowers large, blue. Seeds large. No grazing. Dark brown clay loam soil. Wild.

384616. FM-2. One km from sea on coast road to Casablanca, 12 km south of Rabat. Herbaceous annual to 0.7 m tall. Erect branches. Dark brown loam soil. Wild.

384617. FM-3. On road to Kenitra, 13 km north of Rabat. Elevation 50 m. Rainfall 500 mm. Herbaceous annual to 9.76 m tall. Roadside agriculture, medium grazing. Fine, red-brown, loamy sand soil. Wild.

384618. FM-5. On road to Kenitra, 20 km from Rabat. Elevation 50 m. Rainfall 500 mm. Herbaceous annual to 0.76 m tall. Erect branched. Roadside agriculture, medium grazing. Fine, red-brown, loamy sand soil. Wild.

384619. FM-7. Six km west of Kenitra, 4 km from coast. Elevation 20 m. Rainfall 500 mm. Herbaceous annual to 0.76 m tall. Erect branched. Roadside agriculture, slight grazing. Brown loamy sand soil. Wild.

384620. FM-9. Kenitra, just south of town on road to Rabat. Elevation 75 m. Rainfall 550 mm. Herbaceous annual to 0.76 m tall. Erect branched. Roadside agriculture, little grazing. Red-brown, fine loamy sand soil. Wild.

384621. FM-10. On road to Rabat, 6 km south of Kenitra. Elevation 75 m. Rainfall 550 mm. Herbaceous annual to 0.76 m tall. Erect branched. Roadside agriculture, little grazing. Red-brown, fine loamy sand soil. Wild.

384622. FM-12. On road to Fez, 7 km from Kenitra. Elevation 50 m. Rainfall 550 mm. Herbaceous annual to 0.76 m tall. Erect branched. Fallow agriculture, little grazing. Red-brown, fine loamy sand soil. Wild.

384623. FM-28. On road to Mekness, 6 km east of Rabat. Herbaceous annual to 0.76 m tall. Erect branched. Fallow agriculture, moderate grazing. Fine, brown loamy sand soil. Wild.

384624. FM-36. On road to Mekness, 17 km east of Rabat. Elevation 100 m. Rainfall 50 mm. Herbaceous annual to 0.76 m tall. Erect branched. Fallow agriculture, very heavy grazing. Fine, reddish-brown loamy sand soil. Wild.

384625. FM-45. On road to Rommani, 6 km south of Rabat. Elevation 50 m. Rainfall 500 mm. Herbaceous annual to 0.76 m tall. Erect branched. Roadside agriculture. Brown loamy sand soil. Wild.

384626. FM-48. On road to Rommani, 13 km south of Rabat. Elevation 100 m. Rainfall 500 mm. Herbaceous annual to 0.76 m tall. Erect branched. Edge of cork oak forest, little grazing. Brown silty sand soil. Wild.

384627. FM-70. Twelve km south of Casablanca, 0.5 km inland. Elevation 10 m. Herbaceous annual to 0.76 m tall. Erect branched. Roadside agriculture, black loamy sand soil with limestone inclusions. Wild.

384628. FM-71. On coast road to Casablanca, 34 km north of Azzimour. Elevation 20 m. Herbaceous annual to 0.76 m tall. Erect branched. Roadside agriculture, brown loamy sand soil. Wild.

384629. LUPINUS MICRANTHUS Guss.

FM-67. On road to El Khatouart, 35 km north of Khouribga. Elevation 600 m. Rainfall 525 mm. Herbaceous annual. Fallow pasture agriculture, moderate grazing. Gritty, brown clay soil. Wild.

384587 to 384719—Continued**384630 to 384636. MEDICAGO LITTORALIS Rhode ex Loisel. Leguminosae.**

384630. FM-72. On road to Tafraoute, 13 km from Tisnit. Elevation 300 m. Rainfall 150 mm. Herbaceous annual, grazed short. Stony plain agriculture, heavy grazing. Collected near well. Red-brown loam soil. Wild.

384631. FM-73. On road to Tafraoute, 58 km from Tisnit. Elevation 1,000 m. Rainfall 250 mm. Herbaceous annual, grazed short. Sparse barley agriculture. Stony, brown loam soil. Wild.

384632. FM-79. Sand dunes at Tarhazoute, 14 km north of Agadir. Elevation 5 m. Rainfall 225 mm. Herbaceous annual, grazed short and very heavily. Wild.

384633. FM-88. On road to Amizmiz, 29 km from Marrakech. Elevation 650 m. Rainfall 250 mm. Herbaceous annual. Grazing rough, heavy, short. Brown, gritty clay loam soil. Wild.

384634. FM-91. On road to Casablanca, 31 km. from Marrakech. Elevation 470 m. Rainfall 300 mm. Herbaceous annual. Grazing medium, short. Stony clay loam. Wild.

384635. FM-92a. On road to Casablanca, 59 km north of Rabat. Elevation 430 m. Rainfall 220 mm. Herbaceous annual. Grazed. short. Rubbly brownish gray loam. Rough agriculture. Heavy grazing. Wild.

384636. FM-94. On road to Safi, 70 km from Marrakech. Elevation 400 m. Rainfall 250 mm. Grazing rough, heavy, short. Rubbly clay loam soil. Wild.

384637 to 384639. MEDICAGO ORBICULARIS (L.) Bart Buttonclover medic.

384637. FM-82. On road to Taroudant, 52 km from Marrakech. Elevation 1,200 m. Rainfall 450 mm. Herbaceous annual. Roadside agricultur . Grazed short. Brown rubbly soil. Wild.

384638. FM-105. On road to Kenifra, 10 km from Oulmes. Elevation 940 m. Rainfall 650 mm. Herbaceous annual. Grazing medium-heavy, short. Brown clay loam soil. Wild.

384639. FM-115. On Route S331 to Mekness, 7 km from Mrirt. Elevation 1,170 m. Rainfall 700 mm. Herbaceous annual. Grazing rough, heavy, short. Pale brown sandy loam soil. Wild.

384640 to 384655. MEDICAGO TORNATA (L.) Mill.

384640. FM-4. On road to Kenitra, 13 km north of Rabat. Elevation 50 m. Rainfall 500 mm. Herbaceous annual. Roadside agriculture. Grazing medium, short. Fine, red-brown loamy sand soil. Wild.

384641. FM-15. On road to Fez, 7 km from Kenitra. Elevation 50 m. Rainfall 550 mm. Herbaceous annual. Grazed little, short. Fallow agriculture. Fine, red-brown loamy sand soil. Wild.

384642. FM-20. On road to Fez, 38 km east of Kenitra. Elevation 100 m. Herbaceous annual. Natural pasture agriculture. Grazed heavy, short. Pale brown fine sand soil. Wild.

384643. FM-23. On road to Mekness, 5 km from Rabat. Elevation 50 m. Rainfall 525 mm. Herbaceous annual. Fallow, rough pasture agriculture. Grazing medium to heavy, short. Brown sandy loam soil. Wild.

384644. FM-24. On road to Mekness, 5 km from Rabat. Elevation 50 m. Rainfall 525 mm. Herbaceous annual. Fallow, rough agriculture. Grazing medium to heavy, short. Brown sandy loam soil. Wild.

384645. FM-31. On road to Mekness, 6 km east of Rabat. Elevation 50 m. Herbaceous annual. Fallow agriculture. Grazing moderate, short. Fine, brown loamy sand soil. Wild.

384646. FM-33. On road to Mekness, 17 km east of Rabat. Elevation 100 m. Rainfall 500 mm. Herbaceous annual. Fallow agriculture. Grazing very heavy, short. Fine, red-brown loamy sand soil. Wild.

384587 to 384719—Continued**384640 to 384655—Continued**

- 384647.** FM-51. On road to Rommani, 26 km south of Rabat. Elevation 200 m. Rainfall 525 mm. Herbaceous annual. Pasture agriculture. Grazing heavy, short. Gray-brown clay soil. Wild.
- 384648.** FM-52. On road to Rommani, 43 km south of Rabat. Elevation 200 m. Rainfall 525 mm. Herbaceous annual. Pasture agriculture. Grazing medium, short. Brown clay soil. Wild.
- 384649.** FM-53. On road to Oved Zem, 6 km from Rommani. Elevation 400 m. Rainfall 525 mm. Herbaceous annual. Pasture agriculture. Grazing fairly heavy, short. Brown stony clay loam soil. Wild.
- 384650.** FM-66. On road to El Khatouart, 35 km north of Khouribga. Elevation 600 m. Rainfall 525 mm. Herbaceous annual. Fallow pasture agriculture. Grazing moderate, short. Gritty, brown clay soil. Wild.
- 384651.** FM-69. On road to El Khatouart, 19 km north of Khouribga. Herbaceous annual. Too stony for cultivation. Grazing very heavy, short. Gritty loam soil. Wild.
- 384652.** FM-92b. On road to Casablanca, 59 km north of Rabat. Elevation 430 m. Rainfall 220 mm. Herbaceous annual. Grazed short. Rubbly brownish gray loam. Rough agriculture. Heavy grazing. Wild.
- 384653.** FM-106. On road to Kenifra, 10 km from Oulmes. Elevation 940 m. Rainfall 650 mm. Herbaceous annual. Grazing natural, medium-heavy, short. Brown clay loam soil. Wild.
- 384654.** FM-140. On road to Rabat, 15 km from Larache. Elevation 40 m. Herbaceous annual. Agriculture fallow, grazed, short. Pale brown loamy sand soil. Wild.
- 384655.** FM-143. On road to Fez, 57 km east of Kenitra. Elevation 100 m. Rainfall 525 mm. Herbaceous annual. Grazed short. Fine, brownish sand soil. Wild.

384656 to 384665. MEDICAGO TRUNCATULA Gaertn.

- 384656.** FM-85. Two km southwest of Amizmiz and 50 km southwest of Marrakech. Elevation 1,050 m. Rainfall 500 mm. Herbaceous annual. Grazing heavy, short, Gritty, brown clay loam soil. Wild.
- 384657.** FM-89. On road to Casablanca, 29 km north of Marrakech. Elevation 460 m. Rainfall 300 mm. Herbaceous annual. Edge of wheat crop. Grazed little, short. Stony clay loam soil. Wild.
- 384658.** FM-93. On road to Casablanca, 100 km north of Marrakech. Elevation 400 m. Rainfall 275 mm. Herbaceous annual. Fallow agriculture. Grazed rough, medium-heavy, short. Rocky clay loam soil. Wild.
- 384659.** FM-96. On road to Azrou, 12 km from Kenifra. Elevation 910 m. Rainfall 650 mm. Herbaceous annual. Fallow pasture agriculture. Grazed light, short. Gritty, brown clay loam soil. Wild.
- 384660.** FM-116. On Route S331 to Mekness, 7 km from Mrirt. Elevation 1,170 m. Rainfall 700 mm. Herbaceous annual. Grazed rough, heavy, short. Pale brown sandy loam soil. Wild.
- 384661.** FM-117. On road to Azrou, 1 km north of Mrirt. Elevation 1,180 m. Rainfall 700 mm. Herbaceous annual. Grazed heavy, short. Fallow pasture agriculture. Light brown soil. Wild.
- 384662.** FM-121. On road to Fez, 40 km west of Taza. Elevation 330 m. Rainfall 600 mm. Herbaceous annual. By road and in crop fallow agriculture. Grazed short. Gritty, friable, red-brown clay loam soil. Wild.
- 384663.** FM-131. Tetouane. Elevation 100 m. Rainfall 675 mm. Herbaceous annual. Grazed short. Pale brown clay loam soil. Wild.

384587 to 384719—Continued**384656 to 384665—Continued**

384664. FM-138. On coast loop just south of Assilah, 52 km south of Tangier on coast road to Rabat. Elevation 100 m. Herbaceous annual. Grazed rough, medium heavy, short. Yellow-brown, fine loamy sand with rock inclusion. Wild.

384665. FM-137. On main inland route to Larache, 49 km from Tangier. Elevation 180 m. Rainfall 800 mm. Herbaceous annual. Roadside agriculture. Grazed heavy, short. Yellow-brown, clay loam soil. Wild.

384666. MEDICAGO sp.

FM-8. Three km west of Kenitra. Elevation 50 m. Rainfall 350 mm. Herbaceous annual. Roadside agriculture. Grazed moderate, short. Brown loamy sand soil. Wild.

384667. MEDICAGO sp.

FM-21. On road to Fez, 38 km east of Kenitra. Elevation 100 m. Herbaceous annual. Natural pasture agriculture. Grazed heavy, short. Pale brown, fine sand soil. Wild.

384668 to 384691. ORNITHOPUS COMPRESSUS L. Leguminosae.

384668. FM-13. On road to Fez, 7 km from Kenitra. Elevation 50 m. Rainfall 550 mm. Herbaceous annual. Fallow agriculture. Grazed little, short. Fine, red-brown loamy sand soil. Wild.

384669. FM-16. On road to Fez, 26 km east of Kenitra. Elevation 100 m. Rainfall 500 mm. Herbaceous annual. Natural pasture agriculture. Grazed very heavy, short. Pale brownish sand soil. Wild.

384670. FM-25. On road to Mekness, 5 km from Rabat. Elevation 50 m. Rainfall 525 mm. Herbaceous annual. Fallow rough pasture agriculture. Grazed medium heavy, short. Brown sandy loam soil. Wild.

384671. FM-37. On road to Mekness, 17 km east of Rabat. Elevation 100 m. Rainfall 500 mm. Herbaceous annual. Fallow agriculture. Grazed very heavy, short. Fine, reddish-brown loamy sandy soil. Wild.

384672. FM-41. On road to Mekness, 27 km east of Rabat. Elevation 150 m. Rainfall 525 mm. Herbaceous annual. Roadside agriculture. Grazed moderate, short, Pale brownish silty sandy soil. Wild.

384673. FM-43. On road to Mekness, 64 km east of Rabat. Elevation 200 m. Rainfall 525 mm. Herbaceous annual. Natural pasture agriculture. Grazed heavy, short. Fine, pale brown loamy sandy soil. Wild.

384674. FM-47. On road to Rommani, 11 km south of Rabat. Elevation 100 m. Rainfall 500 mm. Herbaceous annual. Roadside edge of cork oak forest. Grazed heavy, short. Brown silty sandy soil. Wild.

384675. FM-50. On road to Rommani, 18 km south of Rabat. Elevation 100 m. Rainfall 500 mm. Herbaceous annual. Fallow agriculture. Grazed little, short. Brown silty sandy soil. Wild.

384676. FM-54. On road to Oued Zem, 11 km from Rommani. Elevation 500 m. Rainfall 525 mm. Herbaceous annual. Natural grazing agriculture. Grazed heavy, short. Gritty, brown loam soil. Wild.

384677. FM-57. On road to Oued Zem, 13 km from Rommani. Elevation 550 m. Rainfall 525 mm. Herbaceous annual. Natural grazing agriculture. Grazed moderate, short. Gray-brown, gritty loam sandy soil. Wild.

384678. FM-59. On road to Oued Zem, 19 km from Rommani. Herbaceous annual. Fallow agriculture, fall cereal crop. Grazed slight, short. Gray, gritty sandy soil. Wild.

384679. FM-62. Twenty-five km south-southwest of Rommani. Elevation 500 m. Rainfall 525 mm. Herbaceous annual. Pasture agriculture. Grazed moderate, short. Gray, gritty sandy loam soil. Wild.

384680. FM-64. Thirty km south-southwest of Rommani. Elevation 600 m. Rainfall 525 mm. Herbaceous annual. Pasture agriculture. Grazed heavy, short. Gritty, gray sandy loam soil. Wild.

384587 to 384719—Continued**384668 to 384691—Continued**

- 384681.** FM-65. Near El Khatouart, 40 km south-southwest of Rommani. Elevation 600 m. Rainfall 550 mm. Herbaceous annual. Pasture among cork oak, too steep for cultivation. Grazed moderate, short. Gritty, brown sandy loam soil. Wild.
- 384682.** FM-68. Oued Zem road, 51 km north of Khouribga near turn off to Rommani. Elevation 600 m. Rainfall 525 mm. Herbaceous annual. Pasture agriculture. Grazed heavy, short. Gritty, brown clay soil. Wild.
- 384683.** FM-104. On road to Oulmes, 49 km from Kenifra. Elevation 1,190 m. Rainfall 700 mm. Herbaceous annual. Fallow pasture agriculture. Grazed light, short. Light brown, gritty sandy loam soil. Wild.
- 384684.** FM-107. On road to Kenifra, 10 km from Oulmes. Elevation 940 m. Rainfall 650 mm. Herbaceous annual. Natural grazing agriculture. Grazed medium-heavy, short. Brown clay loam soil. Wild.
- 384685.** FM-109. On road to Kenifra, 8 km from Oulmes. Elevation 1,000 m. Rainfall 700 mm. Herbaceous annual. Edge of wheat crop. Grazed short. Wild.
- 384686.** FM-112. Edge of Oulmes town site. Elevation 1,230 m. Rainfall 775 mm. Herbaceous annual. Pasture agriculture. Grazed moderate, short. Light brown sandy loam soil. Wild.
- 384687.** FM-113. On road to Oulmes, 40 km from Kenifra. Elevation 1,120 m. Rainfall 725 mm. Herbaceous annual. Pasture agriculture. Grazed short, moderate. Wild.
- 384688.** FM-119. Just above Panorama Hotel, Azrou. Elevation 1,340 m. Rainfall 850 mm. Herbaceous annual. Rough grazing agriculture. Grazed medium, short. Pale brown clay loam soil. Wild.
- 384689.** FM-123. On road to Al Hoceima, 52 km from Chechouene. Elevation 1,450 m. Rainfall 1,500 mm. Herbaceous annual. Rough grazing agriculture. Grazed heavy, short. Gritty, brown loam soil. Wild.
- 384690.** FM-129. Just south of Chechouene. Elevation 650 m. Rainfall 900 mm. Herbaceous annual. Grazed short. Friable, pale brown, slate loam soil. Wild.
- 384691.** FM-133. On inland road to Assilah, 28 km from Tangier. Elevation 100 m. Rainfall 675 mm. Herbaceous annual. Grazed heavy, short. Gritty, brown loam soil. Wild.

384692 to 384695. ORNITHOPUS ISTHMOCARPUS Coss.

- 384692.** FM-14. On road to Fez, 7 km from Kenitra. Elevation 50 m. Rainfall 550 mm. Herbaceous annual. Fallow agriculture. Grazed little, short. Fine, red-brown, loamy sandy soil. Wild.
- 384693.** FM-17. On road to Fez, 26 km east of Kenitra, Elevation 100 m. Rainfall 500 mm. Herbaceous annual. Natural pasture agriculture. Grazed very heavy, short. Pale brownish sandy soil. Wild.
- 384694.** FM-30. On road to Mekness, 6 km east of Rabat. Elevation 50 m. Herbaceous annual. Fallow agriculture. Grazed moderate, short. Fine, brown, loamy sandy soil. Wild.
- 384695.** FM-142. On road to Fez, 57 km east of Kenitra. Elevation 100 m. Rainfall 525 mm. Herbaceous annual. Grazed short. Fine, brownish, sandy soil. Wild.

384696. ORNITHOPUS PERPUSILLUS L.

- FM-34. On road to Mekness, 17 km east of Rabat. Elevation 100 m. Rainfall 500 mm. Herbaceous annual. Fallow agriculture. Grazing very heavy, short. Fine, reddish-brown, loamy sandy soil. Wild.

384697 and 384698. ORNITHOPUS PINNATUS (Mill.) Druce

- 384697.** FM-35. On road to Mekness, 17 km east of Rabat. Elevation 100 m. Rainfall 500 mm. Herbaceous annual. Fallow agriculture. Grazed very heavy, short. Fine, reddish-brown, sandy loam soil. Wild.

384587 to 384719—Continued**384697 and 384698—Continued**

384698. FM-134. On inland road to Assilah, 28 km from Tangier. Elevation 100 m. Rainfall 675 mm. Herbaceous annual. Grazed heavy, short. Gritty, brown loam soil. Wild.

384699. TRIFOLIUM REPENS L. Leguminosae. **White clover.**
FM-80. On road to Marrakech, 15 km from Tisi-n-text. Elevation 1,900 m. Rainfall 500 mm. Herbaceous annual. Grazed moderate. Light brown, gritty, clay loam soil. Wild.

384700 to 384718. TRIFOLIUM SUBTERRANEUM L. Subterranean clover.

384700 FM-19. On road to Fez, 26 km east of Kenitra. Elevation 100 m. Rainfall 500 mm. Herbaceous annual. Natural pasture agriculture. Grazed very heavy, short. Pale brownish sandy soil. Wild.

384701. FM-29. On road to Mekness, 6 km east of Rabat. Elevation 50 m. Herbaceous annual. Fallow agriculture. Grazed moderate, short. Fine, brown loam sandy soil. Wild.

384702. FM-38. On road to Mekness, 17 km east of Rabat. Elevation 100 m. Rainfall 500 mm. Herbaceous annual. Fallow agriculture. Grazed very heavy, short. Fine, reddish-brown, loamy sandy soil. Wild.

384703. FM-40. On road to Mekness, 27 km east of Rabat. Elevation 150 m. Rainfall 525 mm. Herbaceous annual. Roadside agriculture. Grazed moderate, short. Pale brownish, silty, sandy soil. Wild.

384704. FM-56. On road to Oued Zem, 13 km from Rommani. Elevation 550 m. Rainfall 525 mm. Herbaceous annual. Natural grazing agriculture. Grazed moderate, short. Gray-brown, gritty, sandy loam soil. Wild.

384705. FM-58. On road to Oued Zem, 14 km from Rommani. Herbaceous annual. Grazed moderate, short. Gray, gritty, sandy soil. Wild.

384706. FM-60. On road to Oued Zem, 19 km from Rommani. Herbaceous annual. Fallow agriculture, fall cereal crop. Grazed slight, short. Gray, gritty, sandy soil. Wild.

384707. FM-61. On road to Oued Zem, 25 km from Rommani. Herbaceous annual. Natural pasture, too stony for cultivation. Grazed heavy, short. Light brown, fine, loamy, sandy soil with rock inclusions. Wild.

384708. FM-63. Twenty-five km south-southwest of Rommani. Elevation 500 m. Rainfall 525 mm. Herbaceous annual. Pasture agriculture. Grazed moderate, short. Gray, gritty, sandy loam soil. Wild.

384709. FM-84. Two km southwest of Amizmiz, 50 km southwest of Marrakech. Elevation 1,050 m. Rainfall 500 mm. Herbaceous annual. Grazed heavy, short. Gritty, brown, clay loam soil. Wild.

384710. FM-97. On road to Kenifra, 20 km from Azrou. Elevation 1,100 m. Rainfall 750 mm. Herbaceous annual. Fallow pasture agriculture. Grazed little, short. Gray brown, gritty, silty, clay loam soil. Wild.

384711. FM-98. On road to Kenifra, 22 km from Azrou. Elevation 1,050 m. Rainfall 750 mm. Herbaceous annual. Fallow pasture agriculture. Grazed slight, short. Gritty, brown, clay loam soil. Wild.

384712. FM-100. On road to Kenifra, 49 km from Azrou. Elevation 1,160 m. Rainfall 700 mm. Herbaceous annual. Edge of grainfield. Grazed moderate, short. Gray-brown, clay loam soil. Wild.

384713. FM-102. On road to Kenifra, 59 km from Azrou. Elevation 1,175 m. Rainfall 700 mm. Herbaceous annual. Fallow grazing agriculture. Grazed moderate, short. Pale brown, loam soil. Wild.

384714. FM-103. On road to Oulmes, 49 km from Kenifra. Elevation 1,190 m. Rainfall 700 mm. Herbaceous annual. Fallow pasture agriculture. Grazed light, short. Light brown, gritty, sandy loam soil. Wild.

384715. FM-110. Three km east of Oulmes. Elevation 1,240 m. Rainfall 775 mm. Herbaceous annual. Pasture agriculture. Grazed very heavily, short. Light brown, sandy loam soil. Wild.

384587 to 384719—Continued**384700 to 384718—Continued**

- 384716.** FM-111. Edge of Oulmes town site. Elevation 1,230 m. Rainfall 775 mm. Herbaceous annual. Pasture agriculture. Grazed short, moderate. Light brown, sandy loam soil. Wild.
- 384717.** FM-114. On Route S331, 24 km from Mrirt. Elevation 925 m. Rainfall 650 mm. Herbaceous annual. Rough grazing agriculture. Grazed heavy, short. Pale brown, sandy loam soil. Wild.
- 384718.** FM-118. Just above Panorama Hotel, Azrou. Elevation 1,340 m. Rainfall 850 mm. Herbaceous annual. Rough grazing agriculture. Grazed short, medium. Pale brown, clay loam soil. Wild.
- 384719.** TRIFOLIUM SUBTERRANEUM L. var. BRACHYCALYCINUM Katznelson & Morlev Leguminosae
FM-55. On road to Oued Zem, 11 km from Rommani. Elevation 500 m. Rainfall 525 mm. Herbaceous annual. Natural grazing agriculture. Grazed heavy, short. Gritty, brown loam soil. Wild.

384720 to 384729.

From Union of Soviet Socialist Republics. Seed presented by Nikita Botanical Garden, Yalta, Taurica, Crimea. Received December 18, 1973.

- 384720.** AELLENIA SUBAPHYLLA (C. A. Mey.) Aellen Chenopodiaceae.
Turkmenskaya Republic, Repetek Reservation.
- 384721.** HALOXYLON APHYLLUM (Minkw.) Iljin Chenopodiaceae.
Turkmenskaya Republic, Repetek Reservation.
- 384722.** HALOXYLON PERSICUM Bunge ex Boiss. & Buhse
Turkmenskaya Republic, Repetek Reservation.
- 384723 and 384724.** JUNIPERUS EXCELSA Bieb. Pinaceae. **Juniper.**
- 384723.** Nikita Botanical Garden, Juniperus Reservation. Elevation 150 m. Immature.
- 384724.** Nikita Botanical Garden, Juniperus Reservation. Elevation 150 m. Mature.
- 384725.** JUNIPERUS SEMIGLOBOSA Regel. **Juniper.**
Tadjikskaya Republic, Duschanbe Region. Elevation 1,200 m.
- 384726.** JUNIPERUS TURKESTANICA Komarov. **Juniper.**
Tadjikskaya Republic, Duschanbe Region. Elevation 1,200 m.
- 384727.** PINUS BRUTIA Ten. Pinaceae.
Caucasus, Gelendjik Region. Elevation 100 m.
- 384728.** PINUS NIGRA var. CARAMANICA (Loud.) Rehd.
Crimea, Nikita Village. Elevation 400 m.
- 384729.** SALSOLA RICHLERI (Moq. in DC.) Iljin Chenopodiaceae.
Turkmenskaya Republic, Repetek Reservation.

384730 to 384981.

From Iran. Seed collected June-July 1972 by D. R. Dewey, Crops Research Laboratory, Logan, Utah. Received October 15, 1972.

- 384730.** ACER sp. Aceraceae.
D-302. Bisotun wildlife protected region, 20 km east of Kermanshah. Elevation 1,700 m. Relatively small, shrubby tree to 5 m. Wild.
- 384731.** ACER sp.
D-548. Below the camp area, Dez Watershed Camp, 50 km southeast of Khorramabad. Elevation 1,500 to 1,600 m. Single tree to 6 m tall. Trunk diameter 20 cm. Rare in this area. Wild.
- 384732.** AMYGDALUS sp. Rosaceae.
D-304. Bisotun wildlife protected region, 20 km east of Kermanshah. Elevation 1,780 m. Woody shrub to 2 m tall. Glaucons. Wild.

381730 to 381981—Continued

381733. *ARISTIDA PENNATA* Trin. Gramineae.

D-207. Sand dune area, 12 km south of Sabsevar. Elevation 940 m. Plant with spreading culms, 40 to 60 cm tall. Dichotomous branched inflorescence. Awns 1 cm long. Bulk collection. A common grass in the dune area. Wild.

381734. *ARISTIDA PLUMOSA* L.

D-62. High mountain desert, 10 km southwest of Deshir toward Abadeh, Fars Province. Elevation 2,000 m. Short plant 20 to 25 cm. Erect bunchgrass with a tripartite awn. The central awn plumose. Dominant grass on many desert sites. Wild.

381735. *ARISTIDA PUNGENS* Desf.

D-208. Sand dune area, 12 km south of Sabsevar. Elevation 940 m. Tall plants 100 to 200 cm. Rhizomatous. Awns 1.5 cm. Good for holding sandy areas. Wild.

381736. *ASTRAGALUS* sp. Leguminosae.

D-39. Izad-Khaste enclosure, 60 km north of Abadeh. Prostrate herbaceous perennial with stems to 25 cm. Sickle shaped pods 3 to 4 cm long. On flat valley floor. Wild.

381737. *ASTRAGALUS* sp.

D-46. Dry rocky hillside in protected area, 122 km north of Shiraz toward Abadeh. Elevation 1,900 m. Small, prostrate perennial with diameter of 10 to 15 cm. Villous, ovate pods. Wild.

381738. *ASTRAGALUS* sp.

D-56. On dry rocky slopes in Bamou Game Preserve, 15 km north of Shiraz. Single plant collection. Semi-erect perennial with culms to 25 cm. Ovate pod with very short pubescence. Very rare in the area. Wild.

381739. *ASTRAGALUS* sp.

D-64. Rocky slope above stream at Didigone, 158 km north of Shiraz, Fars Province. A diminutive prostrate perennial with a diameter of 25 cm. Bulk collection of four plants. Rare in the area. Wild.

381740. *ASTRAGALUS* sp.

D-79. Hosseinabad enclosure, 36 km west of Shiraz, Fars Province. Prostrate perennial with red stems to 25 cm. Ovate pod more or less glabrous. Single plant collection. Wild.

381741. *ASTRAGALUS* sp.

D-80. Hosseinabad enclosure, 36 km west of Shiraz, Fars Province. Prostrate perennial with stems to 30 cm. Elongate, slightly awned to sickle shaped pod. Single plant collection. Wild.

381742. *ASTRAGALUS* sp.

D-121. Toward Dorud, 62 km east of Khorramabad. Prostrate perennial with stems 15 to 20 cm long. Purple leaves. Short, densely villous pod containing 2 seeds. Wild.

381743. *ASTRAGALUS* sp.

D-126. Mooteh wildlife preserve. Flat desert site 62 km south of Delijan. Very small plant with semi-erect culms to 10 cm tall. Perennial with red elongate pods with light pubescence. Single plant collection. Rare in this area. Wild.

381744. *ASTRAGALUS* sp.

D-127. Mooteh wildlife preserve. Flat desert site 62 km south of Delijan. Perennial prostrate plants with culms 20 to 30 cm long. Sickle shaped pods 3 to 4 cm long. Wild.

381745. *ASTRAGALUS* sp.

D-128. Mooteh wildlife preserve. Flat desert site 62 km south of Delijan. Prostrate plant with long slender stems to 50 cm. A raceme-like inflorescence consisting of 10 to 15 pods with 2 to 3 seed each. Single plant collection. Wild.

381746. *ASTRAGALUS* sp.

D-144. Steep rocky slope above Karadj River, 16 km north of Karadj. Elevation 1,600 m. Perennial erect plants with leaves to 25 cm. Stems to 40 cm with inflated pods. Wild.

381747. *ASTRAGALUS* sp.

D-150. Talus slope above Karadj River, 36 km north of Karadj. Elevation 1,800 m. Prostrate plants with culms 15 to 25 cm. Woolly pod. Wild.

384730 to 384981—Continued**384748. ASTRAGALUS sp.**

D-191. Reza Shah wildlife park. On road toward Sulgerd. Between 1,500 and 1,700 m elevation. Perennial plant with woody base. Erect or semi-erect stems to 30 cm. Leaves to 15 cm. Old plants have basal diameters to 80 cm. Wild.

384749. ASTRAGALUS sp.

D-192. Reza Shah wildlife park. On road toward Sulgerd. Elevation between 1,500 and 1,700 m. An early maturing plant. Single plant collection. Wild.

384750. ASTRAGALUS sp.

D-193. Reza Shah wildlife park. On road toward Sulgerd. Elevation between 1,500 and 1,700 m. Prostrate stems to 15 cm. Erect leaves to 10 cm with long, red pods to 7 cm. Wild.

384751. ASTRAGALUS sp.

D-196. Delbaran, small village 60 km from Mashad toward Sabsevar. Elevation 1,400 m. Prostrate stems to 20 cm with semi-erect leaves to 15 cm. Seed heads to 10 cm. Protected tree planting. Bulk collection. Wild.

384752. ASTRAGALUS sp.

D-211. Khoshyeylagh wildlife protected region, 53 km northeast of Shahrud. Near Be Cheshmeh headquarters. Elevation 1,500 m. Prostrate stems to 20 cm with prostrate leaves to 10 cm. Thick sickle shaped pod. Bulk collection. Infrequent in this area. Wild.

384753. ASTRAGALUS sp.

D-212. Khoshyeylagh wildlife protected region, 53 km northeast of Shahrud. Near Be Cheshmeh headquarters. Elevation 1,500 m. Perennial glaucous plant with semi-erect stems to 25 cm and erect leaves to 25 cm. Large seed head 10 to 13 cm long. Pods in clusters. Bulk collection. Wild.

384754. ASTRAGALUS sp.

D-213. Khoshyeylagh wildlife protected region, 53 km northeast of Shahrud. Near Be Cheshmeh headquarters. Elevation 1,500 m. Perennial with prostrate stems to 25 cm. Slender sickle shaped pods. Bulk collection. Wild.

384755. ASTRAGALUS sp.

D-228. Khoshyeylagh wildlife protected region, 53 km northeast of Shahrud. At or near the Zarabe area. Elevation 1,500 m. Perennial plants with semi-erect stems to 30 cm and prostrate leaves to 15 cm. Pods in clusters at the end of the stem. Bulk collection. Very common in this area. Wild.

384756. ASTRAGALUS sp.

D-229. Khoshyeylagh wildlife protected region, 53 km northeast of Shahrud. At or near the Zarabe area. Elevation 1,500 m. Perennial with semi-erect stems to 40 cm and erect leaves to 25 cm. Thick sickle shaped pod. Bulk collection. Wild.

384757. ASTRAGALUS sp.

D-230. Khoshyeylagh wildlife protected region, 53 km northeast of Shahrud. At or near the Zarabe area. Elevation 1,500 m. Perennial with prostrate stems to 20 cm and erect leaves to 10 cm. Elongate pod with a deep crease. Bulk collection. Wild.

384758. ASTRAGALUS sp.

D-231. Khoshyeylagh wildlife protected region, 53 km northeast of Shahrud. At or near the Zarabe area. Elevation 1,500 m. Perennial with long prostrate stems to 60 cm. Ovate pods with short pubescence. One of the largest legumes in area. Bulk collection. Wild.

384759. ASTRAGALUS sp.

D-232. Khoshyeylagh wildlife protected region, 53 km northeast of Shahrud. At or near the Zarabe area. Elevation 1,500 m. Perennial stems to 30 cm with densely pubescent leaves. Globose cluster of woolly pods. Bulk collection. Infrequent in this area. Wild.

384760. ASTRAGALUS sp.

D-233. Khoshyeylagh wildlife protected region, 53 km northeast of Shahrud. At or near the Zarabe area. Elevation 1,500 m. Perennial plant with very long leaves to 40 cm. Seed pods are clustered at the base of the plant. Bulk collection. Infrequent in this area. Wild.

384730 to 384981—Continued**384761. ASTRAGALUS sp.**

D-240. Khoshyeylugh wildlife protection region, 53 km northeast of Shahrud. At or near the Ghoorchal area. Elevation 1,500 m. Perennial, prostrate stems to 50 cm and erect leaves to 20 cm. Thick, sickle shaped pods. Bulk collection. Wild.

384762. ASTRAGALUS sp.

D-241. Khoshyeylugh wildlife protection region, 53 km northeast of Shahrud. At or near the Ghoorchal area. Elevation 1,500 m. Perennial, prostrate stems to 25 cm and semi-erect leaves to 10 cm. Woolly pods. Bulk collection. Wild.

384763. ASTRAGALUS sp.

D-242. Khoshyeylugh wildlife protection region, 53 km northeast of Shahrud. At or near the Ghoorchal area. Elevation 1,500 m. Very large perennial plants to 100 cm tall and stems to 1 cm in diameter. Pods clustered on the upper two-thirds of the stem. Bulk collection. Largest legume in area. Wild.

384764. ASTRAGALUS sp.

D-251. Parvar wildlife preserve, 60 km north of Semnum. Elevation 2,050 m. Perennial with prostrate stems to 15 cm and semi-erect leaves to 10 cm. Bulk collection. Wild.

384765. ASTRAGALUS sp.

D-255. Firuzkuh enclosure, 6 km west of Firuzkuh. Perennial with semi-erect stems to 30 cm and leaves to 10 cm. Elongate pods borne on the upper half of the stem. Bulk collection on open rolling rangeland. Wild.

384766. ASTRAGALUS sp.

D-256. Firuzkuh enclosure, 6 km west of Firuzkuh. Perennial with semi-erect stems to 15 cm and leaves to 10 cm. Red, elongate pods. Bulk collection on open rolling rangeland. Wild.

384767. ASTRAGALUS sp.

D-257. Firuzkuh enclosure, 6 km west of Firuzkuh. Perennial with prostrate stems to 15 cm and semi-erect leaves to 5 cm. Globose heads consisting of clusters of woolly pods. Bulk collection on open rolling rangeland. Wild.

384768. ASTRAGALUS sp.

D-258. Firuzkuh enclosure, 6 km west of Firuzkuh. Perennial with prostrate stems to 15 cm and semi-erect leaves to 10 cm. Red, ovate, woolly pods. Bulk collection on open rolling rangeland. Wild.

384769. ASTRAGALUS sp.

D-259. Firuzkuh enclosure, 6 km west of Firuzkuh. Perennial with erect leaves to 15 cm. Ovate, woolly pods borne at the base of the leaves. Bulk collection on open rolling rangeland. Wild.

384770. ASTRAGALUS sp.

D-265. Kings Royal Game Preserve, 25 km east of Tehran. Elevation 1,400 m. Perennial plants with semi-erect stems to 30 cm and erect leaves to 20 cm. Woolly, ovate pods on upper one-third of stem. Bulk collection on open, rolling hills. Wild.

384771. ASTRAGALUS sp.

D-272. Mooteh wildlife protected region 9 km north of the headquarters. Elevation 2,050 m. Perennial with erect stems to 35 cm. Large, ovate, woolly pods clustered at base of the stems. Single plant collection on dry, rocky slope. No other plants seen in the area. Wild.

384730 to 384981—Continued**384772. ASTRAGALUS sp.**

D-274. Mooteh wildlife protected region, 16 km north of the headquarters. Elevation 2,080 m. Perennial with long, slender, red, prostrate stems to 50 cm. Small pods clustered in a raceme-like inflorescence. Wild.

384773. ASTRAGALUS sp.

D-275. Mooteh wildlife protected region, 16 km north of the headquarters. Perennial with semi-erect stems to 20 cm and leaves to 10 cm. Ovate, woolly pods. Single plant collection. No other plants in area. Wild.

384774. ASTRAGALUS sp.

D-321. Sarab Ghamish protected range area, 18 km north of Sanandaj toward Saqqez. Elevation 1,550 m. Perennial plants with profuse erect slender stems to 50 cm. Slender, sickle shaped pods. Bulk collection on dry, rocky slope. Wild.

384775. ASTRAGALUS sp.

D-322. Sarab Ghamish protected range area, 18 km north of Sanandaj toward Saqqez. Elevation 1,550 m. Perennial plants with erect stems to 30 cm and semi-erect leaves to 20 cm. Ovate leaves and elongate pods. Bulk collection on dry rocky slope. Wild.

384776. ASTRAGALUS sp.

D-337. Toward Saqqez, 63 km north of Sanandaj. Elevation 1,820 m. Perennial plants with erect stems to 40 cm. Leaves carried high on stems. Bulk collection. Wild.

384777. ASTRAGALUS sp.

D-341. Toward Sanandaj, 75 km southeast of Saqqez and 2 km west of highway. Perennial plants with long spreading stems to 60 cm. Ovate, glabrous pods. In a cemetery. Wild.

384778. ASTRAGALUS sp.

D-351. Toward Sanandaj, 1 km east of Saqqez at a tree planting on the outskirts of the city. Elevation 1,500 m. Perennial prostrate stems to 30 cm. Pubescent pod, slightly elongate. Bulk collection. Wild.

384779. ASTRAGALUS sp.

D-356. Next to a wheat field, 36 km west of Bijar. Elevation 1,800 m. Perennial plant with prostrate stems to 20 cm and erect leaves to 25 cm. Pubescent, elongated pods. Bulk collection. Wild.

384780. ASTRAGALUS sp.

D-359. Six km west of Bijar. Perennial plants with erect leaves to 30 cm. Boat shaped pods clustered at base of the plant. Bulk collection in wet meadow area. Wild.

384781. ASTRAGALUS sp.

D-367. Nowedak demonstration area, 56 km south of Ghazvin. Elevation 1,300 m. Perennial plants with erect stems to 35 cm. Woolly, ovate pods. Bulk collection in flat desert area. Wild.

384782. ASTRAGALUS sp.

D-379. Near Abdolabad, 15 km north of Ghazvin. Elevation 1,600 m. Long, slender, spreading stems to 50 cm. Slender, sickle-shaped pods. Bulk collection next to a wheatfield in the foothills of Alborz Mountains. Wild.

384783. ASTRAGALUS sp.

D-425. Toward Chalus at the Seritchal protected area above the Karadj dam, 40 km north of Karadj. Elevation 2,000 m. Plants with prostrate stems to 25 cm and semi-erect leaves to 15 cm. Smooth ovate pods. Bulk collection. Wild.

384784. ASTRAGALUS sp.

D-426. Toward Chalus at the Seritchal protected area above the Karadj dam, 40 km north of Karadj. Elevation 2,100 m. Perennial plant with dichotomous branched stems to 60 cm. Boat shaped, woolly pods. Bulk collection. Wild.

384785. ASTRAGALUS sp.

D-427. Toward Chalus at the Seritchal protected area above the Karadj dam, 40 km north of Karadj. Elevation 1,900 m. Perennial plant with semi-prostrate stems to 35 cm and semi-prostrate leaves to 20 cm. Elongate pods. Bulk collection. Wild.

384730 to 384981—Continued**384786. ASTRAGALUS sp.**

D-428. Toward Chalus at the Seritchal protected area above the Karadj dam, 40 km north of Karadj. Elevation 1,825 m. Perennial plant with semi-erect stem to 50 cm and erect leaves to 20 cm. Inflated pod. Bulk collection. Wild.

384787. ASTRAGALUS sp.

D-471. Toward Shemshak, 25 km north of Tehran. Elevation 1,800 m. Plants with erect stems to 60 cm and leaves to 30 cm. Elongate, smooth pods. Bulk collection. From rocky canyon slopes above the river. Wild.

384788. ASTRAGALUS sp.

D-487. Toward Lashgarak, 20 km northeast of Tehran. Elevation 1,750 m. Perennial plant with erect stems to 20 cm and erect leaves to 15 cm. Woolly, ovate pods. Bulk collection in the foothills of Alborz Mountains. Wild.

384789. ASTRAGALUS sp.

D-558. Dez Watershed Camp, 50 km. southeast of Khorramabad. Elevation between 1,900 and 2,100 m. Large plant with stems to 75 cm. Spherical, woolly pods. Wild.

384790. ASTRAGALUS sp.

D-635. Between Shapahsand and Bojhurd, Almeah Camp area of the Muhammed Reza Shah wildlife park. Elevation 1,700 m. Plant with semi-erect stems to 30 cm and glaucous leaves to 15 cm. Single plant collection. Wild.

384791. ASTRAGALUS sp.

D-636. Between Shapahsand and Bojhurd, Almeah Camp area of the Muhammed Reza Shah wildlife park. Elevation 1,700 m. Plant with semi-erect stems to 30 cm and glaucous leaves to 15 cm. Bulk collection. Wild.

384792. ASTRAGALUS sp.

D-637. Between Shapahsand and Bojhurd, Almeah Camp area of the Muhammed Reza Shah wildlife park. Elevation 1,700 m. Perennial plant with profuse, slender, semi-erect stems to 45 cm. Smooth, boat shaped pods. Seeds not infested with insects. Wild.

384793. ASTRAGALUS sp.

D-638. Between Shapahsand and Bojhurd, Almeah Camp area of the Muhammed Reza Shah wildlife park. Elevation 1,700 m. Perennial plants with slender stems to 50 cm. Smooth, slender, elongate pods. Bulk collection. Wild.

384794. ASTRAGALUS sp.

D-639. Between Shapahsand and Bojhurd, Almeah Camp area of the Muhammed Reza Shah wildlife park. Elevation 1,700 m. Perennial plants with slender branched stems to 50 cm. Clover-like heads. Bulk collection. Wild.

384795. ASTRAGALUS sp.

D-688. Between Shapahsand and Bojhurd, Muhammed Reza wildlife park. Elevation between 1,400 and 1,600 m. Woody perennial with long, narrow pods. Bulk collection made on road toward Sulgerd. Wild.

384796. ASTRAGALUS sp.

D-869. Between Shapahsand and Bojhurd, Muhammed Reza Shah wildlife park. Elevation between 1,400 and 1,600 m. Herbaceous perennial with erect coarse stems to 80 cm. Pods clustered with inflorescence about the size of a golf ball. Single plant collection. On road toward Sulgerd. Rare in this area. Wild.

384797. ASTRAGALUS sp.

D-793. Khoshyeylagh wildlife preserve. About 50 km north of Sharud in the Zardube area. Elevation range from 1,700 to 1,900 m. Perennial plants to 40 cm tall. Long, slender pods. Bulk collection. Wild.

384798. ASTRAGALUS sp.

D-794. Khoshyeylagh wildlife preserve. About 50 km north of Sharud in the Zardube area. Elevation range from 1,700 to 1,900 m. Perennial plant with semi-erect culms to 45 cm. Long, slender pods. Bulk collection. Wild.

384730 to 384981—Continued**384799. ASTRAGALUS sp.**

D-795. Khoshyeylagh wildlife preserve. About 50 km north of Sharud in the Zardube area. Elevation range from 1,700 to 1,900 m. Perennial plant with erect stems to 40 cm. Ovate, pubescent pods. Bulk collection. Wild.

384800. ASTRAGALUS sp.

D-900. At the Seritchal protected watershed above Karadj dam, 40 km north of Karadj toward Chalus. Elevation between 2,000 and 2,300 m. Herbaceous perennial with spreading culms to 70 cm. Bulk collection. Wild.

384801. ASTRAGALUS sp.

D-1003. Parvar wildlife preserve, 60 km north of Semnan. Elevation 2,100 m. Plant with erect stems to 50 cm. Leaves to 10 cm. Single plant collection in wet meadow area surrounded by dry, rocky hills. Rare in this area. Wild.

384802. ASTRAGALUS sp.

D-1011. Ten km north of the Parvar wildlife preserve headquarters, 70 km north of Semnan. Perennial plant with lax stems to 50 cm. Glaucescent leaves. Bulk collection in wet meadow area surrounded by dry, rocky hills. Wild.

384803. ASTRAGALUS sp.

D-1045. Toward Tabriz, 113 km northwest of Zanjan. Elevation 1,150 m. Plant with erect culms to 45 cm. Smooth, elongate pods. Bulk collection on steep, rocky, dry hillside. Wild.

384804. ASTRAGALUS sp.

D-1046. Toward Tabriz, 113 km northwest of Zanjan. Elevation 1,150 m. Perennial plant with erect culms to 50 cm. Ovate, woolly pods. Bulk collection on steep, rocky, dry hillside. Wild.

384805. ASTRAGALUS sp.

D-1058. Toward Zanjan, 140 km southeast of Tabriz. Elevation 1,300 m. Perennial plant with glaucescent, erect culms to 60 cm. Elongate, glabrous pods. Bulk collection on steep, rocky slope. Wild.

384806. BRACHYPODIUM sp. Gramineae.

D-164. Dashte Naz wildlife preserve, 32 km northeast of Sari. Elevation 40 m. Plants with slender culms 90 to 110 cm. Leaves bright green, flat. Bulk collection in dense oak forest. Plants growing in shaded areas. Wild.

384807. BRACHYPODIUM sp.

D-165. Dashte Naz wildlife preserve, 32 km northeast of Sari. Elevation 40 m. Plants with culms to 100 cm. Broad, flat, green leaves to 1 cm wide. Single plant collection in dense oak forest. Plants growing in shaded areas. Wild.

384808. BRACHYPODIUM sp.

D-172. Reza Shah wildlife park, 12 km inside west boundary. Plant to 75 cm tall. Leaves extra wide, to 1 cm or more. Single plant collection. Wild.

384809. BRACHYPODIUM sp.

D-692. Muhammed Reza Shah wildlife park, 4 km from the west entrance. Elevation 500 m. Plant with spreading culms to 90 cm. Drooping spikes. Bulk collection. Wild.

384810. BRACHYPODIUM sp.

D-1178. Toward Astara, 40 km northeast of Ardebil. Elevation 1,500 m. Plants with slender, drooping culms to 80 cm. Pubescent leaves and spikes. Bulk collection on Caspian slope. Wild.

384811 to 384825. BROMUS TOMENTELLUS Boiss. Gramineae.

384811. D-66. Didigene, 158 km north of Shiraz, Fars Province. Robust species to 1 m. Bulk collection on rocky slope above a stream. Wild.

384812. D-67. Didigene, 155 km north of Shiraz, Fars Province. Large plant over 1 m tall. Single plant collection on rocky slope above a stream. Wild.

384813. D-118. Toward Dorud, 36 km east of Khorramabad. Elevation 2,100 m. Plants with purple pigments in culms and heads. Bulk collection in fenced enclosure containing a demonstration tree planting. Rocky hillside. Wild.

384730 to 384981—Continued**384811 to 384825—Continued**

- 384814.** D-119. Toward Dorud, 36 km east of Khorramabad. Elevation 2,100 m. Large plant with culms to 90 cm. Lightly pigmented culms and heads. Single plant collection in fenced enclosure containing a demonstration tree planting. Rocky hillside. Wild.
- 384815.** D-142. Sixteen km north of Karadj. Elevation 1,600 m. Bulk collection of some of the more vigorous plants. Steep, rocky slope above the Karadj river. Wild.
- 384816.** D-182. Muhammed Reza Shah wildlife park, above the lodges at Almeh. Elevation 1,700 m. Bulk collection. Wild.
- 384817.** D-183. On road to Muhammed Reza Shah wildlife park. Elevation between 1,500 and 1,700 m. Bulk collection. Wild.
- 384818.** D-224. Khoshyeylugh wildlife protected region, 53 km northeast of Shahrads. Elevation 1,500 m. Plants 80 to 100 cm tall. Bulk collection at or near the Zarabe area. Wild.
- 384819.** D-238. Khoshyeylugh wildlife protected region, 53 km northeast of Shahrads. Elevation 1,500 m. Plants 80 to 100 cm tall. Bulk collection at or near the Ghoorchal area. Wild.
- 384820.** D-254. Firuzkuh enclosure, 6 km west of Firuzkuh. Narrow, involute, basal leaves. Slender culms to 60 cm. Dwarf strain of *B. tomentellus*. Open, rolling rangeland. Wild.
- 384821.** D-264. Kings Royal Game Preserve, 25 km east of Tehran. Elevation 1,400 m. Plant 75 to 90 cm tall. Bulk collection on open, rolling hills. Wild.
- 384822.** D-273. Mooteh wildlife protected region, 16 km north of headquarters. Elevation 2,080 m. Plants 60 to 80 cm tall. Bulk collection. Wild.
- 384823.** D-300. Bisotun wildlife protected region, 20 km east of Kermanshah. Elevation 1,780 m. Plants 80 to 90 cm tall. Bulk collection. Wild.
- 384824.** D-424. Seritchal protected area above the Karadj dam, 40 km north of Karadj toward Chalus. Elevation 1,800 m. Plants 100 cm or taller. Bulk collection. Wild.
- 384825.** D-792. Khoshyeylugh wildlife preserve, about 50 km north of Shahrads. Elevation range from 1,700 to 1,900 m. Plants to 100 cm tall. Bulk collection in the Zardube area. Wild.

384826 to 384833. BROMUS TOMENTOSUS Trin. ex Ledeb.

- 384826.** D-71. Didigene, 158 km north of Shiraz, Fars Province. Small, fine plants 35 cm. Narrow, densely pubescent, glaucous leaves. Bulk collection on dry, rocky slope above a stream. Wild.
- 384827.** D-438. Seritchal protected area above the Karadj dam, 40 km north of Karadj toward Chalus. Elevation 1,800 m. Rhizomatous plant with culms to 80 cm. Glaucous, velvety pubescent leaves. Single clone. Wild.
- 384828.** D-439. Seritchal protected area above the Karadj dam, 40 km north of Karadj toward Chalus. Elevation 1,800 m. Moderately rhizomatous plant with light green culms and leaves. Single clone. Wild.
- 384829.** D-440. Seritchal protected area above the Karadj dam, 40 km north of Karadj toward Chalus. Elevation 1,800 m. Relatively strong rhizomatous plant with glaucous culms to 75 cm. Glaucous leaves. Single clone. Wild.
- 384830.** D-441. Seritchal protected area above the Karadj dam, 40 km north of Karadj toward Chalus. Elevation 1,900 m. Moderately rhizomatous plant with short culms to 60 cm. Single clone. Wild.
- 384831.** D-442. Seritchal protected area above the Karadj dam, 40 km north of Karadj toward Chalus. Elevation between 1,800 and 1,900 m. Bulk collection. Wild.

384730 to 384981—Continued**384826 to 384833—Continued**

- 384832.** D-469. Toward Shemshak, 25 km north of Tehran. Elevation 1,800 m. Rhizomatous plant with culms to 75 cm. Velvety pubescent leaves. Bulk collection on rocky canyon slopes above river. Wild.
- 384833.** D-1182. Between Cachsar and Shemshak, high elevation area of the Alborz Mountains, north of Tehran. Elevation 2,200 m. Short, rhizomatous plant with densely pubescent leaves. Bulk collection. Wild.

384834 to 384841. CORONILLA VARIA L. Leguminosae. Crownvetch.

- 384834.** D-174. Muhammed Reza Shah wildlife park, 12 km inside west boundary. Perennial legume. Seed not fully developed. Wild.
- 384835.** D-429. Seritchal protected area, above the Karadj dam, 40 km north of Karadj toward Chalus. Elevation 2,050 m. Bulk collection. Wild.
- 384836.** D-437. Toward Chalus, 50 km north of Karadj. Elevation 1,950 m. Black pods. Bulk collection. Wild.
- 384837.** D-472. Toward Shemshak, 25 km north of Tehran. Elevation 1,800 m. Bulk collection on rocky canyon slopes above the river. Wild.
- 384838.** D-683. Muhammed Reza Shah wildlife park between Shapahsand and Bojhurd. Elevation between 1,400 and 1,600 m. Prostrate stems. Single plant collection on road toward Sulgerd. Wild.
- 384839.** D-684. Muhammed Reza Shah wildlife park between Shapahsand and Bojhurd. Elevation between 1,400 and 1,600 m. Bulk collection on road toward Sulgerd. Wild.
- 384840.** D-857. Toward Chalus at the Seritchal protected watershed above Karadj dam, 40 km north of Karadj. Elevation between 2,000 and 2,300 m. Bulk collection. Wild.
- 384841.** D-1181. Between Gaschsar and Shemshak, high elevation area of the Alborz Mountains, north of Tehran. Elevation 2,200 m. Bulk collection. Wild.

384842 to 384854. DACTYLIS GLOMERATA L. Gramineae. Orchardgrass.

- 384842.** D-339. Toward Sanandaj, 75 km southeast of Saqqez. Elevation 2,050 m. Plant 60 to 70 cm tall. Bulk collection in meadow area. Wild.
- 384843.** D-358. Six km west of Bijar. Plants with culms to 80 cm. Leaves pale green. Bulk collection in wet meadow area. Wild.
- 384844.** D-364. Toward Zanjan 121 km northeast of Bijar. Fine stemmed plants to 70 cm tall. Bulk collection in tree-planting area. Wild.
- 384845.** D-423. Seritchal protected area above the Karadj dam, 40 km north of Karadj toward Chalus. Elevation 1,900 m. Plant with culms to 70 cm. Narrow, glaucous leaves. Single plant collection with better than average fertility. Wild.
- 384846.** D-470. Toward Shemshak, 25 km north of Tehran. Elevation 1,800 m. Plant to 75 cm tall. Bulk collection on rocky canyon slope above the river. Wild.
- 384847.** D-479. Toward Shemshak, 30 km north of Tehran. Plants to 75 cm tall. Bright green leaves. Bulk collection in bottom of a moist ravine. Wild.
- 384848.** D-634. Muhammed Reza Shah wildlife park, between Shapahsand and Bojhurd. Elevation 1,700 m. Plant with culms to 75 cm. Narrow leaves. Bulk collection in the Almeah camp area. Wild.
- 384849.** D-691. Muhammed Reza Shah wildlife park, 4 km from the west entrance. Elevation 500 m. Tall plants with culms to 100 cm. Bulk collection. Wild.
- 384850.** D-791. Khoshyeylagh wildlife preserve, about 50 km north of Shahrud. Elevation between 1,700 and 1,900 m. Plants to 75 cm tall. Bulk collection from the Zardube area. Wild.

384730 to 384981—Continued**384842 to 384854—Continued**

384851. D-1032. Toward Tabriz, 27 km northwest of Zanjan. Tall plants to 90 cm. Broad leaved. Bulk collection. Wild.

384852. D-1057. Toward Zanjan, 140 km southeast of Tabriz. Elevation 1,300 m. Small plants to 60 cm tall. Narrow leaves. Bulk collection on steep rocky slope. Wild.

384853. D-1179. Toward Astara, 40 km northeast of Ardebil. Elevation 1,500 m. Plants to 70 cm tall. Pigmented heads. Bulk collection on Caspian slope. Wild.

384854. D-1184. Between Gachsar and Shemshak, high elevation area of the Alborz mountains, north of Tehran. Elevation 2,200 m. Plants to 65 cm tall. Bulk collection. Wild.

384855. DACTYLIS sp. Gramineae.

D-158. Thirty km south of Chalus. Elevation 500 m. Small plants with fine culms 35 to 40 cm. Narrow, glaucous leaves. Bulk collection in a protected tree-planting. Poor fertility. Wild.

384856 to 384859. FESTUCA ARUNDINACEA Schreb. Gramineae.**Tall fescue.**

384856. D-72. Toward Kazerun, 10 km west of Shiraz, Falls Province. Plant 60 to 80 cm tall. Lightly grazed along stream. Wild.

384857. D-103. Dez Watershed Project, 3 km east of Nujian Pass. Plants to 90 cm tall. Seed not fully mature. Collected in moist spring area. Wild.

384858. D-366. Toward Ghazvin, 40 km east of Zanjan. Elevation 1,750 m. Plants with culms to 80 cm. Bulk collection in wet meadow. Wild.

384859. D-1007. Ten km north of Parvar wildlife preserve headquarters, 70 km north of Semnan. Bulk collection. Wild.

384860 to 384863. FESTUCA OVINA L.**Sheep fescue.**

384860. D-181. Muhammed Reza Shah wildlife park above the lodges at Almeh. Elevation 1,700 m. Plants with fine culms 50 to 60 cm. Narrow, wiry, basal leaves. Bulk collection. Wild.

384861. D-186. On road toward Sulgerd, Muhammed Reza Shah wildlife park. Elevation between 1,500 and 1,700 m. Plant to 50 cm tall. Red pigments in stems and spikes. Single plant collection. Wild.

384862. D-226. Khoshyeylagh wildlife protected region, 53 km northeast of Shahrad. Elevation 1,500 m. Plants 55 to 65 cm tall. Bulk collection at or near the Zarabe area. Very abundant in this area. Wild.

384863. D-301. Bisotun wildlife protected region, 20 km east of Kerman-shah. Elevation 1,380 m. Plant 60 to 70 m tall. Bulk collection. Wild.

384864 to 384871. FESTUCA SPECTABILIS Jan ex Bertoloni

384864. D-138. Above the Karadj river, 16 km north of Karadj. Elevation 1,600 m. A large coarse species with spreading culms 125 to 150 cm. Bulk collection on steep rocky slope. A prevalent grass in area. Wild.

384865. D-139. Above the Karadj river, 16 km north of Karadj. Elevation 1,600 m. Large plant to 140 cm tall. Good fertility. Single plant collection on steep rocky slope. Wild.

384866. D-140. Above the Karadj river, 16 km north of Karadj. Elevation 1,600 m. Large plant to 150 cm tall. Good fertility. Single plant collection on steep rocky slope. Wild.

384867. D-420. Seritchal protected area above the Karadj dam, 40 km north of Karadj toward Chalus. Elevation 1,800 m. Large plant with spreading culms to 150 cm. Single plant collection. Wild.

384868. D-421. Seritchal protected area above the Karadj dam, 40 km north of Karadj toward Chalus. Elevation 1,950 m. Plant with culms to 150 cm. Single plant collection. Wild.

384730 to 384981—Continued**384864 to 384871—Continued**

- 384869.** D-422. Seritchal protected area above the Karadj dam, 40 km north of Karadj toward Chalus. Elevation 2,000 m. Plant with culms to 200 cm. Single plant collection. Wild.
- 384870.** D-468. Toward Shemshak, 25 km north of Tehran. Elevation 1,800 m. Plants to 150 cm tall. Bulk collection on rocky canyon slopes above the river. Wild.
- 384871.** D-1183. Between Gachsar and Shemshak, high elevation area of the Alborz Mountains, north of Tehran. Elevation 2,200 m. Large plants to 150 cm. Bulk collection. Wild.
- 384872.** *FESTUCA* sp.
D-65. Didigene, 158 km north of Shiraz, Fars Province. A robust species to 80 cm. Bulk collection in the bottom of a drainage ditch. Might possibly be *F. arundinaceae*. Wild.
- 384873.** *FESTUCA* sp.
D-547. Dez Watershed Project, 50 km southeast of Khorramabad. Elevation between 1,500 and 1,600 m. Tall green plants with culms to 175 cm. Bulk collection below the camp area. Wild.
- 384874.** *FESTUCA* sp.
D-1063. Toward Miyaneh, 30 km southeast of Tabriz. Elevation 1,850 m. Short, rhizomatous plant with culms to 120 cm. Broad, flat, green, basal leaves. Bulk collection along irrigation ditch. Wild.
- 384875.** *HEDYSARUM* sp. Leguminosae.
D-189. On the road to Sulgerd, Muhammed Reza Shah wildlife park. Elevation between 1,500 and 1,700 m. Semi-erect perennial with stems to 60 cm. Flat pods connected in groups of 2 to 4. Bulk collection. Wild.
- 384876.** *HEDYSARUM* sp.
D-190. On road to Sulgerd, Muhammed Reza Shah wildlife park. Elevation between 1,500 and 1,700 m. Semi-erect plant with culms to 60 cm. Single plant collection. Wild.
- 384877.** *HEDYSARUM* sp.
D-234. Khoshyeylagh wildlife protected region, 53 km northeast of Shahrad. Elevation 1,500 m. Perennial plants with spreading stems 20 to 30 cm tall. Seed pods connected to form groups of 2 to 4. Bulk collection at or near the Zardube area. Wild.
- 384878.** *HEDYSARUM* sp.
D-267. Kings Royal Game Preserve, 25 km east of Tehran. Elevation 1,400 m. Perennial plants with semi-erect stems to 40 cm. Bulk collection on open, rolling hills. Wild.
- 384879.** *HEDYSARUM* sp.
D-642. Between Shapahsand and Bojhurd, Muhammed Reza Shah wildlife park. Elevation 1,700 m. Perennial plants to 50 cm. Bulk collection in Almeh camp area. Wild.
- 384880.** *HEDYSARUM* sp.
D-687. Between Shapahsand and Bojhurd, Muhammed Reza Shah wildlife park. Elevation between 1,400 and 1,600 m. Herbaceous perennial plant with stems to 70 cm. Bulk collection on road toward Sulgerd. Wild.
- 384881.** *IRIS* sp. Iridaceae.
D-1004. Parvar wildlife preserve, 60 km north of Semnan. Elevation 2,100 m. Large plants with stems to 90 cm. Bulk collection in wet meadow area surrounded by dry rocky hills. Wild.
- 384882 and 384883.** *LOTUS CORNICULATUS* L. Leguminosae.
Birdsfoot trefoil.
- 384882.** D-954. Parvar wildlife preserve, 60 km north of Semnan. Elevation 2,100 m. Bulk collection in wet meadow of surrounding hills. Wild.
- 384883.** D-1009. Ten km north of Parvar wildlife preserve headquarters, 70 km north of Semnan. Bulk collection. Wild.

384730 to 384981—Continued

- 384884 to 384894.** *MEDICAGO SATIVA* L. Leguminosae. Alfalfa.
- 384884.** D-685. Between Shapahsand and Bojhurd, Muhammed Reza Shah wildlife park. Elevation between 1,400 and 1,600 m. Plant with prostrate stems. Single plant collection on road toward Sulgerd. Wild.
- 384885.** D-686. Between Shapahsand and Bojhurd, Muhammed Reza Shah wildlife park. Elevation between 1,400 and 1,600 m. Plant with coarse, semi-erect stems. Single plant collection on road to Sulgerd. Wild.
- 384886.** D-796. Khoshyeylagh wildlife preserve, about 50 km north of Shahrud. Elevation between 1,700 and 1,900 m. Creeping, rhizomatous plant with prostrate stems. Single plant collection in the Zardube area. Wild.
- 384887.** D-797. Khoshyeylagh wildlife preserve, about 50 km north of Shahrud. Elevation between 1,700 and 1,900 m. Creeping, rhizomatous plant with semi-erect stems. Single plant collection in the Zardube area. Wild.
- 384888.** D-798. Khoshyeylagh wildlife preserve, about 50 km north of Shahrud. Elevation between 1,700 and 1,900 m. Plant with strange creeping habit. Single plant collection in the Zardube area. Wild.
- 384889.** D-799. Khoshyeylagh wildlife preserve, about 50 km north of Shahrud. Elevation between 1,700 and 1,900 m. Creeping plants. Bulk collection in the Zardube area. Wild.
- 384890.** D-805. Khoshyeylagh wildlife preserve, about 50 km north of Shahrud. Elevation between 1,700 and 1,900 m. Small colony of creeping plants. Bulk collection growing on a dry, rocky hillside in the Zardube area. Wild.
- 384891.** D-856. Seritchal protected watershed above Karadj dam, 40 km north of Karadj, toward Chalus. Elevation between 2,000 and 2,300 m. Noncreeping plants. Bulk collection. Wild.
- 384892.** D-1001. Parvar wildlife preserve, 60 km north of Semnan. Elevation 2,100 m. Creeping plant with erect stems. Single plant collection in wet meadow area surrounded by dry, rocky hills. Wild.
- 384893.** D-1002. Parvar wildlife preserve, 60 km north of Semnan. Elevation 2,100 m. Creeping plant with semiprostrate stems. Single plant collection in wet meadow area surrounded by dry, rocky hills. Wild.
- 384894.** D-1008. Ten km north of the Parvar wildlife preserve headquarters, 70 km north of Semnan. Bulk collection of creeping plants. Wild.
- 384895.** *MELICA* sp. Gramineae.
D-38. Kolah Ghuzi game preserve, 40 km south of Esfahan. A densely tufted species to 40 cm tall. Infrequent in the area. On rocky slopes. Wild.
- 384896.** *MELICA* sp.
D-57. Bamou game preserve, 15 km north of Shiraz, Falls Province. Plant with erect culms to 35 cm. Glauous leaves and pubescent leaf sheaths. Single plant collection growing near intermittent stream. Wild.
- 384897.** *MELICA* sp.
D-143. Above the Karadj river, 16 km north of Karadj. Elevation 1,600 m. Short plant with frequent culms, 25 to 35 cm, giving the plant a bushy appearance. Bulk collection on steep, rocky slope. Poor fertility. Wild.
- 384898.** *MELICA* sp.
D-156. Toward Kelardusht, 10 km west of Marzanabad. Elevation 900 m. Plant 40 to 50 cm tall. Fine stems and fine leaves. Bulk collection in a protected tree planting. Wild.
- 384899.** *MELICA* sp.
D-157. Toward Kelardusht, 10 km west of Marzanabad. Elevation 900 m. Glauous plant with numerous erect culms to 35 cm. Short rhizomes. Single plant collection in protected tree planting. Wild.

384730 to 384981—Continued**384900. MELICA sp.**

D-171. Muhammed Reza Shah wildlife park, 6 km from west boundary. Elevation 550 m. Plant with fine glaucous culms to 60 cm. Bulk collection. Wild.

384901. MELICA sp.

D-227. Khoshyeylagh wildlife protected region, 53 km northeast of Shahrud. Elevation 1,500 m. Plants 40 to 60 cm tall. Narrow, involute leaves. Bulk collection at or near the Zardube area. On higher rocky slopes. Wild.

384902. MELICA sp.

D-262. Kings Royal Game Preserve, 25 km east of Tehran. Elevation 1,400 m. Plants with culms 40 to 50 cm tall. Glaucous pubescent velvety leaves. Bulk collection on open, rolling hills. Wild.

384903. MELICA sp.

D-298. Bisotun wildlife protected region, 20 km east of Kermanshah. Elevation 1,620 m. Green plants with culms to 40 cm. Bulk collection. Wild.

384904. MELICA sp.

D-307. Bisotun wildlife protected region, 40 km north of Kermanshah. Elevation 1,600 m. Plants 50 to 60 cm tall. Bulk collection on rocky, mountainous area. Wild.

384905. MELICA sp.

D-309. Toward Kermanshah, 63 km south of Sanandaj. Plants 40 to 50 cm tall. Bulk collection near road. Steep, rocky slope. Wild.

384906. MELICA sp.

D-316. Toward Saqqez, 18 km north of Sanandaj. Elevation 1,550 m. Short, glaucous plants with culms 25 to 35 cm. Bulk collection on dry, rocky slope of protected range area, Sarab Ghamish.

384907. MELICA sp.

D-632. Between Shapahsand and Bojhurd, Almeh camp area of the Muhammed Reza Shah wildlife park. Elevation 1,700 m. Plant with fine, erect culms to 70 cm. Bulk collection. Wild.

384908. MELICA sp.

D-682. Between Shapahsand and Bojhurd, Muhammed Reza Shah wildlife park. Elevation between 1,400 and 1,600 m. Slender green culms to 80 cm. Single plant collection—caespitose, on road toward Sulgerd. Wild.

384909. and 384910. ONOBRYCHIS GAUBAE Bornem. Leguminosae.

384909. D-36. On road to Kashan, 40 km south of Ohm. Herbaceous semi-erect perennial plant. Growing in open flat with *Aristida plumosa*. Shows promise in tests by Iranian plant materials specialists. Wild.

384910. D-125. Mooteh wildlife preserve, flat desert site 62 km south of Delijan. Relatively large plant with prostrate stems to 40 cm. Single plant collection. Wild.

384911. ONOBRYCHIS sp. Leguminosae.

D-78. Hosseinabad enclosure, 36 km west of Shiraz, Fars Province. Erect culms to 25 cm with a geniculate base. Densely pubescent, oval pods. Single plant collection. Wild.

384912. ONOBRYCHIS sp.

D-81. Hosseinabad enclosure, 36 km west of Shiraz, Fars Province. Plant with semi-prostrate growth habit. Erect stems to 25 cm with a geniculate base. Densely pubescent, oval pods. Single plant collection. Wild.

384913. ONOBRYCHIS sp.

D-266. Kings Royal Game Preserve, 25 km east of Tehran. Elevation 1,400 m. Perennial plant with erect stems to 60 cm, large species. Large, ovate leaves. Bulk collection on open, rolling hills. Wild.

384914. ONOBRYCHIS sp.

D-342. Toward Sanandaj, 2 km west of highway and 75 km southeast of Saqqez. Perennial plants with stems to 30 cm and leaves to 20 cm. Bulk collection in a cemetery. Wild.

384730 to 384981—Continued**384915. ONOBRYCHIS sp.**

D-355. Next to a wheat field, 36 km west of Bijar. Elevation 1,800 m. Relatively large species with erect stems to 75 cm. Glaucons, glabrous stems and leaves. Wild.

384916. ONOBRYCHIS sp.

D-380. Near Abdolabad, 15 km north of Ghazvin. Elevation 1,600 m. Plant with erect stems to 50 cm. Bulk collection next to a wheatfield in the foothills of the Alborz Mountains. Wild.

384917. ONOBRYCHIS sp.

D-460. Toward Shamshak, 15 km north of Tehran. Elevation 1,850 m. Perennial plant with erect stems to 50 cm. Bulk collection in the dry foothills of the Alborz Mountains. Wild.

384918. ONOBRYCHIS sp.

D-640. Between Shapahsand and Bojhurd, Muhammed Reza Shah wildlife park. Elevation 1,700 m. Large perennial plant with semi-erect, pubescent stems to 80 cm. Single plant collection in the Almeh camp area. Very common in this area. Wild.

384919 ONOBRYCHIS sp.

D-641. Between Shapahsand and Bojhurd, Muhammed Reza Shah wildlife park. Elevation 1,700 m. Large perennial plant with semi-erect, pubescent stems to 80 cm. Bulk collection in the Almeh camp area. Wild.

384920 to 384923. ORYZOPSIS HOLCIFORMIS (Bieb.) Hack. Gramineae.**Ricegrass.**

384920. D-76. Hosseinabad enclosure, 36 km west of Shiraz, Fars Province. Exceptionally tall plants to 150 cm. Coarse culms and flat basal leaves 5 to 7 mm wide. Large, black, free threshing seeds. Bulk of three plants. Wild.

384921. D-83. Tangeh-bolhayat, between Shiraz and Kazerun. Coarse culms and flat basal collection at Hosseinabad. Wild.

384922. D-98. Dez Watershed project, dry hillside 2 km east of Nuzian Pass and 50 km southeast of Khorramabad. Large, coarse plants 100 to 200 cm tall. Coarse culms and flat basal leaves 5 to 7 mm wide. Large, black, free threshing seeds. Wild.

384923. D-141. Above the Karadj river, 16 km north of Karadj. Elevation 1,600 m. Large, coarse plants. Erect culms 120 to 140 cm. Blue, basal leaves. Bulk collection on steep, rocky slope. Wild.

384924 to 384928. ORYZOPSIS MOLINOIDES (Boiss.) Hack. ex Paulsen

384924. D-40. Izad-Khaste enclosure, 60 km north of Abadeh. Plant to 75 cm tall. A sparsely occurring species found near the west side of the enclosure. Growing in association with *Stipa*. Wild.

384925. D-44. Dehbid enclosure, 10 km north of Dehbid. Plant with culms to 50 cm. Flat, glaucous, basal leaves. Free threshing. Wild.

384926. D-63. Didigene, 158 km north of Shiraz, Fars Province. Plants with culms to 1 m. Narrow, involute leaves, open panicles. Black, free threshing seed. Wild.

384927. D-124. Mooteh wildlife preserve, flat desert site 62 km south of Delijan. Plants 60 to 75 cm tall. Narrow, blue basal leaves. The Mooteh wildlife preserve is a very large area protected from grazing. A good area for collecting. Wild.

384928. D-184. Muhammed Reza Shah wildlife park. Elevation 1,500 to 1,700 m. Most plants about 1 m tall. Bulk collection on road toward Sulgerd. Wild.

384929. ORYZOPSIS sp.

D-693. Muhammed Reza Shah wildlife park, 4 km from the west entrance, Elevation 500 m. Caespitose plants with slender, spreading culms to 80 cm. Drooping spikes. Narrow, involute leaves. Wild.

384730 to 384981—Continued**384930.** ORYZOPSIS sp.

D-1185. Between Gachsar and Shemshak, high elevation area of the Alborz Mountains, north of Tehran. Elevation 2,200 m. Caespitose plant with slender culms to 110 cm. Bulk collection. Wild.

384931. PENNISETUM DICHOTOMUM (Forsk.) Delile Gramineae.

D-93. Albadji protected area, 20 km north of Ahwaz toward Dezful. Plants large, 110 to 130 cm tall. Short rhizomes. Bulk collection in sand dune area. Wild.

384932 and 384933. POA BULBOSA L. Gramineae.

384932. D-42. Dehbid enclosure, 10 km north of Dehbid. Elevation 2,360 m. Relatively tall plants, 35 to 40 cm. Flat, high elevation valley in Zagros range. Wild.

384933. D-105. Dez Watershed project, 3 km east of Nuzian Pass. Plants to 50 cm tall. Typical of this species. Spring area. Wild.

384934 to 384939. POA DENSА Troitsky.

384934. D-43. Dehbid enclosure, 10 km north of Dehbid. Similar to *P. bulbosa*, except for their seeds and later maturity. Wild.

384935. D-61. Toward Kheirabad, Fars Province, 20 km east of Viskanch. Perennial plant 40 to 60 cm tall. Bulbous base. Growing in association with *Artemisia aucheri* and *Stipa* on high desert valley. Wild.

384936. D-133. Mooteh wildlife preserve, 25 km south of Delijan. Erect plant with culms to 60 cm. A normal seeded plant not containing bulblets. Single plant collection in salty, wet bottom land. Chief vegetation is tamarisk. Wild.

384937. D-180. Muhammed Reza Shah wildlife park. Elevation 1,650 m. Plant 60 to 65 cm tall. On road toward Almehr. Wild.

384938. D-239. Khoshyeylugh wildlife protected region, 53 km northeast of Shahrud. Elevation 1,500 m. Plant 55 to 65 cm tall. Bulk collection at or near the Ghoorchal area. Wild.

384939 D-633. Between Shapahsand and Bojhurd, Muhammed Reza Shah wildlife park. Elevation 1,700 m. Plants to 65 cm tall with bulbous base. Bulk collection in the Almehr camp area. Wild.

384940. PRUNUS sp. Rosaceae.

D-303. Bisotun wildlife protected region, 20 km east of Kermanshah. Elevation 1,380 m. Woody shrub with spreading branches to 2 m. Light orange edible fruit. Wild.

384941. PRUNUS sp.

D-304. Bisotun wildlife protected region, 20 km east of Kermanshah. Elevation 1,680 m. Woody shrub with spreading branches to 2 m. Red edible fruit. Wild.

384942. PUCCINELLIA DISTANS (L.) Parl. Gramineae.

D-371. Valadabad enclosure, 40 km south of Ghazvin. Elevation 1,200 m. Small plants to 40 cm. Bulk collection along an irrigation ditch. Wild.

384943. PUCCINELLIA sp.

D-129. Mooteh wildlife preserve, 25 km south of Delijan. Large plants 100 to 130 cm tall. Bulk collection in salty, wet bottom land. *Puccinellia* was the dominant grass in area and was doing very well. Chief vegetation is tamarisk. Wild.

384944. PUCCINELLIA sp.

D-130. Mooteh wildlife preserve, 25 km south of Delijan. Plant to 100 cm tall with spreading culms. Light purple pigmentation. Single plant collection in salty, wet bottom land. Chief vegetation is tamarisk. Wild.

384945. PUCCINELLIA sp.

D-131. Mooteh wildlife preserve, 25 km south of Delijan. Plant to 120 cm tall. Excellent seed producer. Single plant collection in salty, wet bottom land. Chief vegetation is tamarisk. Wild.

384946. PUCCINELLIA sp.

D-132. Mooteh wildlife preserve, 25 km south of Delijan. Very tall plant to 150 cm with coarse culms. Single plant collection in salty wet bottom land. Chief vegetation is tamarisk. Wild.

384730 to 384981—Continued**384947. PUCCINELLIA sp.**

D-953. Parvar wildlife preserve, 60 km north of Semnan. Elevation 2,100 m. Rhizomatous plants to 60 cm tall. Bulk collection in wet meadow of surrounding hills. Wild.

384948 to 384950. SANGUISORBA MINOR Scop. Rosaceae. Small burnet.

384948. D-308. Bisotun wildlife protected region, 40 km north of Kerman-shah. Elevation 1,600 m. Plant 40 to 60 cm tall. Bulk collection at rocky, mountainous area. Wild.

384949. D-323. Toward Saqqez, 18 km north of Sanandaj. Elevation 1,550 m. Herbaceous perennial with stems to 50 cm. Bulk collection on dry, rocky slope of a protected range area, Sarab Ghamish. Wild.

384950. D-360. Six km west of Bijar. Plant with stems to 35 cm. Bulk collection in west meadow area. Wild.

384951 to 384958. STIPA BARBATA Desf. Gramineae.

384951. D-37. Kolah Ghazi game preserve, 40 km south of Esfahan. Moderately robust species 60 to 70 cm tall. The dominant grass in this area. On rocky slopes. Wild.

384952. D-48. Toward Abadeh, Aliabad Agricultural School, about 100 km north of Shiraz, Fars Province. Plants with villous hairs on awns and no pigmentation. Wild.

384953. D-75. Hosseinabad enclosure, 36 km west of Shiraz, Fars Province. Plants 80 to 110 cm tall with closed panicle. Nonpigmented awns with long silvery pubescence. Bulk collection. Wild.

384954. D-209. Near Be Cheshmeh headquarters, Khoshyeylagh wildlife protected region, 53 km northeast of Shahrud. Elevation 1,500 m. Plants with purple awns. Bulk collection. Wild.

384955. D-210. Near Be Cheshmeh headquarters, Khoshyeylagh wildlife protected region, 53 km northeast of Shahrud. Elevation 1,500 m. Plants with silvery awns. Bulk collection. Wild.

384956. D-263. Kings Royal Game Preserve, 25 km east of Tehran. Elevation 1,400 m. Plants with culms 75 to 90 cm. Bulk collection on open, rolling hills. Wild.

384957. D-268. Between Delijan and Esfahan, Mooteh wildlife protected region, 18 km east of headquarters at Mooteh village. Plants with culms to 110 cm. Awns tightly curled around stems, which prevents seed from falling. Wild.

384958. D-269. Between Delijan and Esfahan, Mooteh wildlife protected region, 18 km east of headquarters at Mooteh village. Very large plants with culms to 125 cm. Late maturing. Leaves and stems still green. Single plant collection. Wild.

384959. STIPA HAUSSKNECHTII Boiss.

D-82. Tangeh-bokhagat, between Shiraz and Kazerun in Zagros Mountains. Plants 100 to 110 cm tall. Fine culms with an open panicle that branches dichotomously. Bulk collection in mountainous gorge. Wild.

384960 to 384963. STIPA LAGASCAE Roem. & Schult.

384960. D-73. Toward Kazerun, Hosseinabad enclosure, 36 km west of Shiraz, Fars Province. Large, coarse plants with erect culms. Large seed with long coarse awns. Early maturing. Bulk collection in flat foothills of Zagros Mountains. Wild.

384961. D-179. On road toward Almeh, Muhammed Reza Shah wildlife park. Elevation 1,600 m. Large plants 90 to 110 cm tall with open panicles. Very long, glabrous awns. Large seeds. Wild.

384962. D-187. On road toward Sulgerd, Muhammed Reza Shah wildlife park. Elevation between 1,500 and 1,700 m. Plants 75 to 85 cm tall with open panicles. Glabrous awns. Wild.

384730 to 384981—Continued

- 384963.** D-221. Khoshyeylagh wildlife protected region, 53 km northeast of Shahrud. Elevation 1,500 m. Plant with culms to 100 cm, open panicles. Long awns with very short pubescent and glabrous above. Bulk collection at or near the Zardube area. Wild.
- 384964 to 384969.** *STIPA ORIENTALIS* Trin.
- 384964.** D-175. At turn off toward Almehr, Muhammed Reza Shah wildlife park. Elevation 1,240 m. Short, erect plants with culms 45 to 55 cm. Narrow, involute, basal leaves. Bulk collection. Wild.
- 384965.** D-176. On road toward Almehr, Muhammed Reza Shah wildlife park. Plant to 60 cm tall. Purple awns. Single plant collection. Wild.
- 384966.** D-177. On road toward Almehr, Muhammed Reza Shah wildlife park. Plant to 50 cm tall. White awns. Single plant collection. Wild.
- 384967.** D-197. On road toward Almehr, Muhammed Reza Shah wildlife park. Short plant with culms to 25 cm. Partially exerted spike. Wild.
- 384968.** D-220. Khoshyeylagh wildlife protected region, 53 km northeast of Shahrud. Elevation 1,500 m. Short species with culms to 40 cm. Awns pubescent throughout. Large seed. Bulk collection at or near the Zardube area. Wild.
- 384969.** D-588. Toward Amol, 3 km north of Ab Ali, 73 km northeast of Tehran. Elevation 2,300 m. Short plants with culms to 45 cm. Bulk collection. Wild.
- 384970.** *STIPA PULCHERRIMA* K. Koch
D-188. On road toward Almehr, Muhammed Reza Shah wildlife park. Short erect culms to 80 cm. Exceptionally long awns to 25 cm, with long pubescence. Single plant collection. Wild.
- 384971 to 384973.** *STIPA SZOVITZIANA* Trin.
- 384971.** D-45. Toward Abadeh, protected area 122 km north of Shiraz, Fars Province. Elevation 1,900 m. Tall plants to 1 m, open panicles. Pigmented awns with short pubescence. Dry, rocky hillside. Wild.
- 384972.** D-47. Toward Abadeh, Aliabad Agricultural School about 100 km north of Shiraz, Fars Province. Plant with open panicles. Pigmented awns with short pubescence. Protected area in foothills. Wild.
- 384973.** D-74. Hosseinabad enclosure, 36 km west of Shiraz, Fars Province. Plants 80 to 110 cm tall with open panicles. Purple awns with short pubescence. Bulk collection. Wild.
- 384974 and 384975.** *SWAINSONA SALSULA* (Pall.) Taub. Leguminosae.
- 384974.** D-35. Seritchal protected area, 38 km north of Karadj. Elevation 2,000 m. A shrubby leguminous tree with multiple trunks to 5 cm in diameter and 3 m tall. Large, papery, inflated pods. Seed came from last year's pods that remained on the tree. On road to Chalus. Wild.
- 384975.** D-235. Khoshyeylagh wildlife protected region, 53 km northeast of Shahrud. Elevation 1,500 m. Woody leguminous shrub to 1.5 m in diameter and 2 m tall. Inflated pods. Single plant collection at or near the Zardube area. The only plant of this species in the area. Wild.
- 384976.** *TRIFOLIUM PRATENSE* L. Leguminosae. **Red clover.**
D-1010. Ten km north of Parvar wildlife preserve headquarters, 70 km north of Semnan. Bulk collection. Wild.
- 384977.** *TRIGONELLA* sp. Leguminosae.
D-41. Izad-Khaste enclosure, 60 km north of Abadeh. An upright perennial to 25 cm tall. Purplish pods. Single plant collection somewhat earlier than other plants. Wild.
- 384978.** *TRIGONELLA* sp.
D-320. Toward Saqqez, 18 km north of Sanandaj. Elevation 1,550 m. Plants with erect reddish stems to 40 cm. Flattened pods. Bulk collection on dry, rocky slope of a protected range area, Sarab Ghamish. Wild.
- 384979.** *TRIGONELLA* sp.
D-1044. Toward Tabriz, 113 km northwest of Zanjan. Elevation 1,150 m. Herbaceous perennial to 40 cm tall. Bulk collection on steep, rocky dry hillside. Wild.

384730 to 384981—Continued**384980.** VICIA GREGARIA Boiss. & Heldr. Leguminosae.

D-104. Near camp of the Dez Watershed project. Rhizomatous perennial. Wild.

384981. VICIA sp.

D-252. Parvar wildlife preserve headquarters, 60 km north of Semnan. Elevation 2,050 m. Large plants with spreading stems to 75 cm. Wild.

384982. ASPARAGUS OFFICINALIS L. Liliaceae.**Garden asparagus.**

From United States. Seed presented by George R. Pedrick and Sons Company, Pedricktown, New Jersey. Received January 21, 1974.

'Mary Washington'. Roberts strain of 'Mary Washington'.

384983. REEVESIA THYRSOIDEA Lindl. Sterculiaceae.

From Hong Kong. Seed presented by H. F. Read, Bonsai and Dwarf Plants Specialist, Burbank, California. Received February 13, 1974. Hong Kong area.

384984. ORYZA SATIVA L. Gramineae.**Rice.**

From Philippines. Seed presented by T. T. Chang, International Rice Research Institute, Los Banos, Laguna. Received January 23, 1974.

'Cheng Chu Ai 11'.

384985 to 384988. HORDEUM DISTICHON L. Gramineae.**Two-rowed barley.**

From Denmark. Seed presented by Hans Doll, Danish Atomic Energy Commission, Research Establishment RIS, Roskilde. Received February 25, 1974.

384985. 'Riso mutant 29'. Induced in 'Carlsberg II'.**384986.** 'Riso mutant 56'. Induced in 'Carlsberg II'.**384987.** 'Riso mutant 86'. Induced in 'Carlsberg II'.**384988.** 'Riso mutant 1508'. Induced in 'Bomi'.**384989.** ASPARAGUS VERTICILLATUS L. Liliaceae.

From Germany. Seed presented by Botanischer Garten der Universitat Tubingen, Tubingen. Code numbers refer to 1970 Index Seminum. Received February 6, 1974.

No. 230.

384990 to 384995. SACCHARUM (hybrid) Gramineae.**Sugarcane.**

From Barbados. Cuttings presented by West Indies Sugar cane Breeding Station, Seawell. Received March 1, 1974.

384990. 'BNS-735'.**384993.** 'BTN-137C'.**384991.** 'BNS-747'.**384994.** 'BTN-217'.**384992.** 'BNS-995'.**384995.** 'BTN-229'.**384996 and 384997.**

From Canada. Seed presented by University Arboretum, University of Guelph, Guelph, Ontario. Code numbers refer to 1973-74 Index Seminum. Received January 23, 1974.

384996. ILEX VERTICILLATA (L.) Gray Aquifoliaceae.

No. 16. Guelph, Ontario. Wild.

384996 and 384997—Continued

384997. *NEMOPANTHUS MUCRONATUS* (L.) Trel. Ilicineae.
No. 17. Guelph, Ontario. Wild.

384998. IMPATIENS CONGOLENSIS G.M. Schulze & R. Wilczek
Balsaminaceae.

From United States. Plant presented by P. H. Raven, Director, Missouri Botanical Gardens, St. Louis, Missouri. Received February 12, 1974.

Longwood Gardens No. 73872. Plant vigorous, herbaceous. Leaves large, lanceolate. Flowers on short peduncles below the upper leaves, green and yellow with inflated red spurs.

384999 to 385053.

From Tunisia. Seed collected June 1973 by Ian Forbes, Jr., Coastal Plains Experiment Station, Tifton, Georgia, and J. S. Gladstones, Department of Agriculture, Perth, Australia. Received August 23, 1973.

384999 and 385000. *LUPINUS ALBUS* L. Leguminosae. **White lupine.**

384999. T-55. Eleven km east of Tabarka. Elevation 15 m. Herbaceous annual. Erect branched 0.6 to 0.9 m tall. Brown silty loam. Planted crop of unknown sweet variety. Wild.

385000. T-56. Six km south of Tabarka. Elevation 50 m. Herbaceous annual, 0.6 to 0.9 m tall. Erect branched. Brown clay loam. Planted crop of unknown sweet variety. Wild.

385001 to 385005. *LUPINUS COSENTINII* Guss.

385001. T-1. Cape Bon near Tunis. Elevation 20 m. Rainfall 400 mm. Herbaceous annual. Erect branched, 0.76 m tall. Reddish loamy sand. Edge of vineyard. Wild.

385002. T-2. Cape Bon near Tunis. Elevation 20 m. Rainfall 400 mm. Herbaceous annual. Erect branched, 0.76 m tall. Brown loamy sand. Edge of barley crop. Wild.

385003. T-3. Cape Bon near Tunis. Elevation 35 m. Rainfall 400 mm. Herbaceous annual. Erect branched, 0.76 m tall. Brown loamy sand. Roadside agriculture. Wild.

385004. T-4. Cape Bon near Tunis. Elevation 10 m. Rainfall 400 mm. Herbaceous annual. Erect branched, 0.76 m tall. Gray brown, sandy loam. Wild.

385005. T-7. Sand hills close to sea near Sousse. Elevation 20 m. Herbaceous annual. Erect branched, 0.76 m tall. Deep yellow sand. Wild.

385006 and 385007. *MEDICAGO LITTORALIS* Rhode ex Loisel.
Leguminosae.

385006. T-6. Cape Bon near Tunis. Elevation 10 m. Rainfall 400 mm. Herbaceous annual, grazed short, Gray brown sandy loam. Wild.

385007. T-10. Sand hills close to sea near Sousse. Elevation 20 m. Herbaceous annual, grazed short. Deep yellow sand. Wild.

385008. *MEDICAGO MURICATA* (L.) All.

T-43. Ten km east of Sedjenane. Elevation 200 m. Herbaceous annual. Grazed short. Yellow gray, loamy sand. Natural pasture, little grazing. Wild.

385009 to 385011. *MEDICAGO ORBICULARIS* (L.) Bart **Buttonclover medic.**

385009. T-8. Sand hills close to sea near Sousse. Elevation 20 m. Herbaceous annual, grazed short. Deep yellow sand. Wild.

385010. T-13. On road to Tabarka, 29 km from Jendouba. Elevation 520 m. Herbaceous annual, grazed short. Brown, gravelly loam. Wild.

385011. T-57. On roadside in front of Agronomy Research Institute Station, Sedjenane. Elevation 140 m. Herbaceous annual, grazed short. Brown sandy loam. Roadside agriculture, light grazing. Wild.

384999 to 385053—Continued**385012 and 385013. MEDICAGO SOLEIROLII** Duby.

385012. T-42. Just east of Sedjenane 10 km. Elevation 200 m. Herbaceous annual. Short grazed. Yellow gray, loamy sand. Natural pasture, little grazing. Wild.

385013. T-54. Just east of Tabarka 11 km. Elevation 15 m. Herbaceous annual. Grazed short. Brown silty loam. Edge of *Lupinus albus* crop. Wild.

385014 to 385017. MEDICAGO TORNATA (L.) Mill.

385014. T-5. Cape Bon near Tunis. Elevation 10 m. Rainfall 400 mm. Herbaceous annual, grazed short. Gray brown, sandy loam. Wild.

385015. T-9. Sand hills to sea near Sousse. Elevation 20 m. Herbaceous annual, grazed short. Deep yellow sand. Wild.

385016. T-31. Four km east of Tabarka. Elevation 20 m. Herbaceous annual, grazed short. Brownish yellow sand, sandy flat behind sandhills. Natural pasture. Wild.

385017. T-53. Ten km east of Tabarka. Undulating sands behind dunes. Elevation 10 m. Herbaceous annual, grazed short. Light brown, loamy sand. Rough natural pasture, moderate grazing. Wild.

385018. MEDICAGO TURBINATA (L.) All.

T-36. Three km south-southwest of Ain Draham. Elevation 680 m. Herbaceous annual, grazed short. Light brown cracking clay loam. Natural pasture, heavy grazing. Wild.

385019 to 385025. ORNITHOPUS COMPRESSUS L. Leguminosae.

385019. T-25. Two km south of Hamman Bourgiba. Elevation 310 m. Herbaceous annual, grazed short. Yellow-brown, stony sand loam. Rough grazing—too stony for cultivation. Wild.

385020. T-44. Ten km east of Sedjenane. Elevation 200 m. Herbaceous annual, grazed short. Yellow gray, loamy sand. Natural pasture, little grazing. Wild.

385021. T-46. Agronomy Research Institute Station, Sedjenane. Elevation 160 m. Herbaceous annual, grazed short. Reddish, loamy sand. Wild.

385022. T-47. Agronomy Research Institute Station, Sedjenane. Elevation 160 m. Herbaceous annual, grazed short. Reddish, loamy sand. Wild.

385023. T-50. Ten km east of Tabarka. Undulating sands behind dunes. Elevation 10 m. Herbaceous annual. Grazed short. Light brown, loamy sand. Rough natural pasture, moderate grazing. Wild.

385024. T-58. On road to Bizerte, 9 km from Sedjenane. Elevation 100 m. Herbaceous annual, grazed short. Gray brown loamy sand. Natural pasture, heavy grazing. Wild.

385025. T-59. On road to Sedjenane, 34 km from Bizerte. Herbaceous annual, grazed short. Brown loamy sand. Natural pasture, moderate grazing. Wild.

385026 to 385028. ORNITHOPUS PINNATUS (Mill.) Druce

385026. T-45. Ten km east of Sedjenane. Elevation 200 m. Herbaceous annual, grazed short. Yellow gray, loamy sand. Natural pasture, little grazing. Wild.

385027. T-48. Agronomy Research Institute Station, Sedjenane. Elevation 160 m. Herbaceous annual, grazed short. Reddish, loamy sand. Wild.

385028. T-60. On road to Sedjenane, 34 km from Bizerte. Herbaceous annual, grazed short. Brown loamy sand. Natural pasture, moderate grazing. Wild.

385029 to 385049. TRIFOLIUM SUBTERRANEUM L. Subterranean clover.

385029. T-11. On road to Tabarka, 29 km from Jendouba. Elevation 520 m. Herbaceous annual, grazed short. Gray brown, sandy loam, probably a mixture of plant types. Cork oak country, forest margin, heavy grazing. Wild.

384999 to 385053—Continued**385029 to 385049—Continued**

- 385030.** T-14. On road to Tabarka, 32 km from Jendouba. Elevation 670 m. Herbaceous annual, grazed short. Brown, gritty, sandy loam. Forest margin, cork oak country. Wild.
- 385031.** T-17. On road from Jendouba to Tabarka, 8 km from Ain Draham. Elevation 775 m. Herbaceous annual, grazed short. Brown, self-mulching, clay loam. Edge of white oak forest, one plant only. Wild.
- 385032.** T-18. On road from Jendouba to Tabarka, 7 km from Ain Draham, at Hotel Les Chenes, Elevation 780 m. Herbaceous annual, grazed short. Brown sandy loam. Wild.
- 385033.** T-19. On road from Jendouba to Tabarka, 4 km from Ain Draham. Elevation 650 m. Herbaceous annual, grazed short. Brown sandy loam. Cork oak country, natural pasture, heavy grazing. Wild.
- 385034.** T-21. On track to rifle range, southwest outskirts of Ain Draham. Elevation 750 m. Herbaceous annual, grazed short. Light brown, sandy loam. Natural heavy grazing among cork oaks. Wild.
- 385035.** T-22. On Algerian border west from Babouch just before Hammam Bourgiba. Elevation 270 m. Light brown, clay loam. Cork oak country, rough pasture, too rocky for cultivation, heavy grazing. Wild.
- 385036.** T-23. Two km south of Hammam Bourgiba. Elevation 310 m. Herbaceous annual, grazed short. Yellow-brown, stony sandy loam. Rough grazing, too stony for cultivation. Wild.
- 385037.** T-26. Two km south of Hammam Bourgiba. Elevation 330 m. Herbaceous annual, grazed short. Yellow-brown, sandy loam. Very heavy natural grazing. Wild.
- 385038.** T-28. Eight km south-southwest of Ain Draham. Elevation 650 m. Herbaceous annual, grazed short. Light brown, clay loam. Roadside agriculture, moderate grazing. Wild.
- 385039.** T-29. Two km southwest of Ain Draham. Herbaceous annual, grazed short. Wild.
- 385040.** T-30. Tabarka. Elevation 50 m. Herbaceous annual, grazed short. Rocky, brown loam. Roadside agriculture, moderate grazing. Wild.
- 385041.** T-32. On road to Tabarka, 10 km from Ain Draham. Elevation 230 m. Herbaceous annual, grazed short. Gray brown, sandy loam, flat sandy surface. Heavy natural grazing. Wild.
- 385042.** T-33. North outskirts of Ain Draham. Elevation 710 m. Herbaceous annual, grazed short. Brownish loam. Roadside agriculture. Wild.
- 385043.** T-34. Five km southwest of Ain Draham. Elevation 780 m. Herbaceous annual, grazed short. Gray brown, sandy loam. Natural pasture, heavy grazing. Wild.
- 385044.** T-37. Four km south-southwest of Ain Draham. Elevation 650 m. Herbaceous annual, grazed short. Light brown, sandy loam. Roadside agriculture, moderate grazing. Wild.
- 385045.** T-38. Three km along track running east of Ain Draham. Elevation 780 m. Herbaceous annual, grazed short. Light brown, sandy loam. Cork oak country, roadside agriculture, moderate grazing. Wild.
- 385046.** T-39. Four km east of Ain Draham. Elevation 790 m. Herbaceous annual, grazed short. Brown sandy loam, stony. Natural pasture, heavy grazing. Wild.
- 385047.** T-40. Seven km east of Ain Draham. Elevation 660 m. Herbaceous annual, grazed short. Yellow, sandy clay loam. Roadside agriculture. Wild.
- 385048.** T-41. Eight km east of Ain Draham. Elevation 600 m. Herbaceous annual, grazed short. Light brown, gritty clay loam. Cork oak country, roadside agriculture, heavy grazing. Wild.
- 385049.** T-52. Ten km east of Tabarka. Undulating sands behind dunes. Elevation 10 m. Herbaceous annual, grazed short. Light brown, loamy sand. Rough natural pasture, moderate grazing. Wild.

384999 to 385053—Continued

385050 to 385053. *TRIFOLIUM SUBTERRANEUM* L. var. *BRACHYCALYGINUM*
Katznelson & Morley Leguminosae.

385050. T-15. On road to Tabarka, 32 km from Jendouba. Elevation 670 m.
Herbaceous annual, grazed short. Brown, gritty, sandy loam. Forest
margin, cork oak country. Wild.

385051. T-24. Two km south of Hammam Bourgiba. Elevation 310 m.
Herbaceous annual, grazed short. Yellow brown, stony, sandy loam.
Rough grazing, too stony for cultivation. Wild.

385052. T-27. Six km south of Hammam Bourgiba. Elevation 600 m.
Herbaceous annual, grazed short. Yellow loamy sand. Among young
planted pines, severe grazing. Wild.

385053. T-35. Three km south southwest of Ain Draham. Elevation 680 m.
Herbaceous annual, grazed short. Light brown, cracking clay loam. Natu-
ral pasture, heavy grazing. Wild.

385054 to 385217.

From Spain. Seed collected June 1973 by Ian Forbes, Jr., Coastal Plains
Experiment Station, Tifton, Georgia, and J.S. Gladstones, Department of
Agriculture, Perth, Australia. Received November 8, 1973.

385054 to 385124. *LUPINUS ANGUSTIFOLIUS* L. Leguminosae.

Bitter blue lupine.

385054. SS-1. Twenty-five km north-northwest of Madrid. Elevation 900
m. Herbaceous annual, erect branched. Light brown, gritty, sandy loam.
Woodland margin. Wild.

385055. SS-8. Five km south of Segovia. Elevation 1050 m. Herbaceous
annual, erect branched. Gritty, light brown, sandy loam. Roadside and
fallow. Wild.

385056. SS-17. Thirty km from Avila on road to El Escorial. Elevation
1350 m. Herbaceous annual, erect branched. Light brown, very gritty sand
among rock outcrops. Among stunted pines. Wild.

385057. SS-21. Just above Embalse de Burguillo, south of Avila. Eleva-
tion 1100 m. Herbaceous annual, erect branched. Light brown loamy sand.
Wasteland, vineyard and roadside. Wild.

385058. SS-29. Twelve km south-southwest of El Escorial. Elevation 1100
m. Herbaceous annual, erect branched, small seeded type. Light brown,
gritty, loamy sand. Roadside agriculture. Wild.

385059. SS-31. Ten km south-southwest of El Escorial. Elevation 1100 m.
Herbaceous annual, erect branched. Light brown, gritty, loamy sand.
Among pines, rough grazing. Wild.

385060. SS-33. On road to El Escorial, 32 km from Avila. Elevation 1350
m. Herbaceous annual, erect branched, Light brown, gritty, loamy sand.
Among pines, rough grazing. Wild.

385061. SS-34. On road to Plasencia, 9 km from Avila. Elevation 1,000 m.
Herbaceous annual, erect branched, Light brown, very gritty, loamy sand.
Weed at uncultivated edge of rye crop. Wild.

385062. SS-37. On road to Plasencia, 45 km from Avila. Elevation 1150 m.
Herbaceous annual, erect branched. Light brown, very gritty, loamy sand.
Roadbank. Wild.

385063. SS-43. On road to Plasencia, 60 km from Avila. Elevation 1,200 m.
Herbaceous annual, erect branched. Light brown, loamy sand. Woodland
margin, moderate grazing. Wild.

385064. SS-48. On road to Ciudad Rodrigo, 11 km from Bejar. Elevation
1,000 m. Herbaceous annual, erect branched. Light brown, loamy sand.
Fallow land. Wild.

385065. SS-55. On road to Caceres, 8 km south of Ciudad Rodrigo.
Elevation 700 m. Herbaceous annual, erect branched. Stony, brown, loamy
sand to sandy loam. Roadside agriculture. Wild.

385054 to 385217—Continued**385054 to 385124—Continued**

- 385066.** SS-61. Twelve km along Route 512 from Ciudad Rodrigo-Caceres road. Elevation 400 m. Herbaceous annual, erect branched. Rubbly, brown silty sand. Fallow paddock following cereal. Wild.
- 385067.** SS-67. Plasencia. Elevation 450 m. Herbaceous annual, erect branched. Brown, gritty, loamy sand. Roadside agriculture. Wild.
- 385068.** SS-68. On road to Jarandilla, 4 km from Plasencia. Elevation 500 m. Herbaceous annual, erect branched. Light brown, gritty, loamy sand. Roadside agriculture. Wild.
- 385069.** SS-69. On road to Jarandilla, 21 km from Plasencia. Elevation 500 m. Herbaceous annual, erect branched. Light brown, gritty, loamy sand. Wild.
- 385070.** SS-70. On road to Jarandilla, 24 km from Plasencia. Elevation 500 m. Herbaceous annual, erect branched. Light brown, gritty, loamy sand. Roadside agriculture. Wild.
- 385071.** SS-77. On road to Guadalupe, 5 km south of Navalmoral. Elevation 400 m. Herbaceous annual, erect branched. Brownish-gray, very gritty, loamy sand. Edge of fallow field. Wild.
- 385072.** SS-78. On road to Guadalupe, 20 km south of Navalmoral. Elevation 400 m. Herbaceous annual, erect branched. Brown rubbly, very gritty loam. Roadbank. Wild.
- 385073.** SS-81. On road to Guadalupe, 48 km from Navalmoral. Elevation 700 m. Herbaceous annual, erect branched. Flaky brown loam. Roadside agriculture. Wild.
- 385074.** SS-82. On road to Guadalupe, 54 km from Navalmoral. Elevation 800 m. Herbaceous annual, erect branched. Flaky brown loam. Roadside agriculture. Wild.
- 385075.** SS-85. Three km north of Guadalupe. Elevation 1,100 m. Erect branched, herbaceous annual. Flaky brown loam. Roadside agriculture. Wild.
- 385076.** SS-86. One km north of Guadalupe. Elevation 1,000 m. Herbaceous annual, erect branched. Flaky brown loam. Roadside agriculture Wild.
- 385077.** SS-90. On Route C 4311 to Jerez de los Caballeros, 13 km from Zafra. Elevation 350 m. Herbaceous annual, erect branched. Gray brown sandy loam. Roadside agriculture and among olives. Wild.
- 385078.** SS-91. On road N 435 to Huelva, 12 km from Zafra. Elevation 300 m. Herbaceous annual, erect branched. Light brown, stony, loamy sand. Edge of cultivated field. Wild.
- 385079.** SS-93. On N 435 to Huelva, 16 km from Zafra. Elevation 300 m. Herbaceous annual, erect branched. Light brown, stony, loamy sand. Roadside agriculture. Wild.
- 385080.** SS-94. On N 435 to Huelva just before river, 22 km from Zafra. Elevation 250 m. Herbaceous annual, erect branched. Friable light sandy loam. Roadside agriculture. Wild.
- 385081.** SS-95. On road N 435 to Huelva, 29 km from Zafra. Elevation 600 m. Herbaceous annual, erect branched. Friable light sandy loam. Roadside agriculture. Wild.
- 385082.** SS-96. On road N 435 to Huelva, 33 km from Zafra. Elevation 600 m. Herbaceous annual, erect branched. Brown, light sandy loam, stony. Among rocks at edge of cork oaks. Wild.
- 385083.** SS-98. On C 434 to Santa Olalla, 16 km from Fregenal de la Sierra. Herbaceous annual, erect branched. Brown, flaky clay loam. Wasteland near road. Wild.
- 385084.** SS-99. On C 434 to Santa Olalla, 35 km from Fregenal de la Sierra. Elevation 900 m. Herbaceous annual, erect branched. Flaky, brown clay loam. Roadside agriculture. Wild.

385054 to 385217—Continued**385054 to 385124—Continued**

- 385085.** SS-103. On C 434 to Santa Olalla, 43 km from Fregenal de la Sierra. Elevation 900 m. Herbaceous annual, erect branched. Road foundation material. Roadside agriculture. Wild.
- 385086.** SS-104. On road to Sevilla, 4 km north of Santa Olalla, 121 km from Merida. Elevation 400 m. Herbaceous annual, erect branched. Gritty, brown sandy loam. Roadside agriculture. Wild.
- 385087.** SS-106. On road to Sevilla, 19 km north of Santa Olalla, 106 km from Merida. Herbaceous annual, erect branched. Gritty, brown sandy loam. Roadside agriculture. Wild.
- 385088.** SS-107. On road to Sevilla, 27 km from Santa Olalla, 98 km from Merida. Herbaceous annual, erect branched. Very rocky, gritty, light brown loamy sand. Wasteland. Wild.
- 385089.** SS-111. On road to Caceres, 20 km from Merida. Elevation 250 m. Herbaceous annual, erect branched. Pale brown, very gritty, clay loam. Fallow soil among rocks and road bank. Wild.
- 385090.** SS-112. On road to Caceres, 26 km from Merida. Elevation 600 m. Herbaceous annual, erect branched. Light brown, sandy loam. Fallow soil among rocks and roadbank. Wild.
- 385091.** SS-115. On road to Caceres, 55 km from Merida. Elevation 400 m. Herbaceous annual, erect branched. Edge of road. Wild.
- 385092.** SS-119. On road to Cordoba, 47 km from Zafra. Elevation 500 m. Herbaceous annual, erect branched. Gritty, light brown, sandy loam. Among rocks at edge of fallow. Wild.
- 385093.** SS-121. On road to Cordova, 72 km from Zafra. Elevation 450 m. Herbaceous annual, erect branched. Brown sandy loam. Ditch banks. Wild.
- 385094.** SS-122. On road C 421 to Vilaneuva del Duque, 21 km from Penarroya. Elevation 600 m. Herbaceous annual, erect branched. Flaky brown loam. Road cutting. Wild.
- 385095.** SS-123. On C 411 to Espiel, 21 km from Alcaracehos. Elevation 650 m. Herbaceous annual, erect branched. Friable, flaky brown loam. Roadside agriculture. Wild.
- 385096.** SS-124. On road N 432 to Pueblonuevo, 43 km from Cordoba. Elevation 550 m. Herbaceous annual, erect branched. Stony, brown sandy loam. Roadside agriculture. Wild.
- 385097.** SS-127. Seventeen km off Cordoba-Madrid highway, along Route N 420 to Ciudad Real. Elevation 250 m. Herbaceous annual, erect branched. Gritty, brown sandy loam. Roadbank. Wild.
- 385098.** SS-129. Thirty km from Cordoba-Madrid highway along N 420 to Ciudad Real. Elevation 600 m. Herbaceous annual, erect branched. Gray brown, gritty sand. Roadside agriculture. Wild.
- 385099.** SS-132. Ninety km from Cordoba-Madrid highway along N 420 to Ciudad Real. Elevation 830 m. Herbaceous annual, erect branched. Rocky, brown sandy loam. Roadside agriculture. Wild.
- 385100.** SA-136. On road to Coin, 6 km from Marbella. Elevation 200 m. Herbaceous annual, erect branched. Brown sandy loam. Roadside agriculture. Wild.
- 385101.** SS-137. On road to Jimena de la Frontera, 24 km from Algeciras. Elevation 50 m. Herbaceous annual, erect branched. Yellow brown loamy sand. Among cork oaks. Wild.
- 385102.** SS-138. On road to Malaga, 6 km east of Algeciras. Elevation 10 m. Herbaceous annual, erect branched. Brown loamy sand. Vacant land by road. Wild.
- 385103.** SS-141. On road 8 km from Valverde, 22 km from La Palma del Condado. Elevation 250 m. Herbaceous annual, erect branched. Pale brown gritty sand. Edge of *Eucalyptus* plantation. Wild.
- 385104.** SS-144. Zalamea la Real, 21 km from Valverde on road to Arcena, Jabugo. Elevation 400 m. Herbaceous annual, erect branched. Brown sandy loam. Edge of *Eucalyptus* plantation. Wild.

385054 to 385217—Continued**385054 to 385124—Continued**

- 385105.** SS-146. On road to Jabugo, 25 km from Valverde. Elevation 400 m. Herbaceous annual, erect branched. Rocky, brown sandy loam. Roadbank. Wild.
- 385106.** SS-147. On road to Jubugo, 44 km from Valverde. Herbaceous annual, erect branched. Very stony, brown loamy sand. Roadbank. Wild.
- 385107.** SS-148. On road to Jabugo, 45 km from Valverde. Elevation 550 m. Herbaceous annual, erect branched. Gritty, brown loamy sand. Roadside agriculture. Wild.
- 385108.** SS-150. On N 433 to Portuguese border, 4 km from Galaroza. Elevation 600 m. Herbaceous annual, erect branched. Light brown, gritty loamy sand. Roadside agriculture. Wild.
- 385109.** SS-152. On N 433, 34 km east of Portuguese border. Elevation 400 m. Herbaceous annual, erect branched. Light brown, loamy sand. Roadside agriculture and among cork oaks. Wild.
- 385110.** SS-153. On N 433, 21 km east from Portuguese border. Elevation 300 m. Herbaceous annual, erect branched. Gray brown, gritty loamy sand. Among granite rocks near road. Wild.
- 385111.** SS-155. On road to Verin, 5 km north of Portuguese border. Elevation 275 m. Herbaceous annual, erect branched. Wild.
- 385112.** SS-156. Verin, below Parador. Elevation 300 m. Herbaceous annual, erect branched. Gray brown, very gritty loamy sand. Roadside agriculture. Wild.
- 385113.** SS-157. Verin, a little below Route 156, adjacent vineyards. Elevation 250 m. Herbaceous annual, erect branched. Stony, brown sandy loam. Roadside agriculture. Wild.
- 385114.** SS-160. On road to Orense, 25 km from Verin. Elevation 450 m. Herbaceous annual, erect branched. Granite gritty loamy sand. Roadside agriculture. Wild.
- 385115.** SS-161. On road to Verin, 13 km from Orense. Elevation 450 m. Herbaceous annual, erect branched. Gritty, gray brown, loamy sand. Roadside agriculture. Wild.
- 385116.** SS-164. On road to Verin, 5 km from Orense. Elevation 300 m. Herbaceous annual, erect branched. Gritty, gray brown, loamy sand. Roadside agriculture. Wild.
- 385117.** SS-165. Orense, on N 120. Elevation 250 m. Herbaceous annual, erect branched. On newly built roadbank. Wild.
- 385118.** SS-166. Orense, on N 120. Elevation 250 m. Herbaceous annual, erect branched. On newly built roadbank. Wild.
- 385119.** SS-167. Orense, on C 546. Elevation 250 m. Herbaceous annual, erect branched. Brown loamy sand. Edge of road. Wild.
- 385120.** SS-170. On C 546 to Monfort, 4 km from Orense. Elevation 250 m. Herbaceous annual, erect branched. Brown loamy sand. Roadside agriculture. Wild.
- 385121.** SS-172. On connecting road to N 120, 10 km east of Aliariz. Elevation 300 m. Herbaceous annual, erect branched. On grazed fallow plot. Wild.
- 385122.** SS-173. Verin, below parador. Elevation 250 m. Herbaceous annual, erect branched, composite of types along two km of road. Granite gritty loamy sand and alluvial. Roadside agriculture. Wild.
- 385123.** SS-178. Verin, east outskirts of town. Elevation 250 m. Herbaceous annual, erect branched. Gritty, brown sandy loam. Wasteland. Wild.
- 385124.** SS-179. On N 525 to Zamora, 5 km east of Verin. Elevation 350 m. Herbaceous annual, erect branched. Gray brown, gritty sand loam. Roadside agriculture. Wild.

385054 to 385217—Continued

385125. LUPINUS COSENTINII Guss.

SS-140. On road to Cadiz, 32 km from Algeciras. Elevation 10 m. Herbaceous annual, erect branched. Gray white sand. Wild.

385126 to 385147. LUPINUS HISPANICUS Bois. & Reit.

Lupine.

385126. SS-6. Ten km south of Segovia. Elevation 1100 m. Herbaceous annual. Gritty, light brown sandy loam. Roadside agriculture. Wild.

385127. SS-13. On road to Avila, 28 km from El Escorial. Elevation 1250 m. Herbaceous annual. Gray-brown, very gritty, loamy sand among rock outcrops. Among pines, rough grazing. Wild.

385128. SS-23. On N 403, 48 km south of Avila, a little past El Tiembra. Elevation 1100 m. Herbaceous annual. Light brown, gritty loamy sand. Roadside agriculture. Wild.

385129. SS-24. On N 403, 48 km south of Avila, a little past El Tiembra. Elevation 1100 m. Herbaceous annual. Light brown, gritty loamy sand. Roadside agriculture. Wild.

385130. SS-30. Twelve km south-southwest of El Escorial. Elevation 100 m. Herbaceous annual. Light brown, gritty loamy sand. Roadside agriculture. Wild.

385131. SS-35. On road to Plasencia, 14 km from Avila. Elevation 1,100 m. Herbaceous annual. Light brown, very gritty loamy sand. Roadside agriculture. Wild.

385132. SS-39. On road to Plasencia, 47 km from Avila. Elevation 1,150 m. Herbaceous annual, grayish seeds. Light brown, loamy sand. Wild.

385133. SS-47. Two km north of El Barco, south of Salamanca. Elevation 1,000 m. Herbaceous annual. Light brown, loamy sand. Fallow land. Wild.

385134. SS-50. On road to Ciudad Rodrigo, 18 km from Bejar. Elevation 1,000 m. Herbaceous annual. Light brown, loamy sand. Roadside agriculture. Wild.

385135. SS-54. On road to Caceres, 8 km south of Ciudad Rodrigo. Elevation 700 m. Herbaceous annual. Stony, brown, loamy sand loam. Roadside agriculture. Wild.

385136. SS-71. On road to Jarandilla, 24 km from Plasencia. Elevation 500 m. Herbaceous annual. Light brown, gritty loamy sand. Roadside agriculture. Wild.

385137. SS-79. On road to Guadalupe, 46 km from Navalморal. Elevation 700 m. Herbaceous annual. Flaky brown loam. Roadbank. Wild.

385138. SS-83. On road to Guadalupe, 54 km from Navalморal. Elevation 800 m. Herbaceous annual. Flaky brown loam. Roadside agriculture. Wild.

385139. SS-84. Three km north of Guadalupe. Elevation 1,100 m. Herbaceous annual. Flaky brown loam. Roadside agriculture. Wild.

385140. SS-100. On C 434 to Santa Olalla, 35 km from Fregenal. Elevation 900 m. Herbaceous annual. Flaky, brown clay loam. Roadside agriculture. Wild.

385141. SS-105. On road to Sevilla, 6 km north of Santa Olalla, 119 km from Merida. Herbaceous annual. Gritty, brown sandy loam. Roadside agriculture. Wild.

385142. SS-113. On road to Caceres, 27 km from Merida. Elevation 600 m. Herbaceous annual. Stony, light brown, fine silty sandy loam. Edge of cork oaks. Wild.

385143. SS-131. Along N 420 to Ciudad Real, 74 km from Cordoba-Madrid highway. Elevation 800 m. Herbaceous annual. Rocky, brown clay loam. Roadside agriculture. Wild.

385144. SS-149. On road to Jabugo, 45 km from Valverde. Elevation 550 m. Herbaceous annual. Gritty, brown loamy sand. Roadside agriculture. Wild.

385145. SS-159. Near Verin. Elevation 250 m. Herbaceous annual, leaflets narrow for *Lupinus luteus*. Stony, brown sandy loam. Wild.

385054 to 385217—Continued**385126 to 385147—Continued**

385146. SS-171. On C 546, 7 km from Orense. Elevation 300 m. Herbaceous annual. Granite loamy sand. Wasteland by road. Wild.

385147. SS-175. Verin, below parador. Elevation 250 m. Herbaceous annual, composite of types along two km of road. Granite gritty, loamy sand and alluvial. Roadside agriculture. Wild.

385148 and 385149. LUPINUS LUTEUS L. European yellow lupine.

385148. SS-174. Verin, below parador. Elevation 250 m. Herbaceous annual, composite of types along two km of road. Granite gritty and alluvial loamy sand. Roadside agriculture. Wild.

385149. SS-158. Verin, a little below Route 156, adjacent vineyards. Elevation 250 m. Herbaceous annual. Stony, brown sandy loam. Roadside agriculture. Wild.

385150. MEDICAGO TORNATA (L.) Mill. Leguminosae.

SS-139. On road to Malaga, six km east of Algeciras. Elevation 10 m. Herbaceous annual, grazed short. Brown loamy sand. Vacant land by road. Wild.

385151 to 385196. ORNITHOPUS COMPRESSUS L. Leguminosae.

385151. SS-2. Twenty-five km north-northwest of Madrid. Elevation 900 m. Herbaceous annual, grazed short. Light brown, gritty sandy loam. Woodland margin. Wild.

385152. SS-7. Ten km south of Segovia. Elevation 1,100 m. Herbaceous annual, grazed short. Gritty, light brown sandy loam. Roadside agriculture. Wild.

385153. SS-9. Five km south of Segovia. Elevation 1,050 m. Herbaceous annual, grazed short. Gritty, light brown sandy loam. Roadside agriculture and fallow area. Wild.

385154. SS-11. El Escorial. Elevation 1,050. Herbaceous annual, grazed short. Gritty, light brown loamy sand. Forest margin. Wild.

385155. SS-14. On road to Avila, 28 km from El Escorial. Elevation 1,250 m. Herbaceous annual, grazed short. Gray brown, very gritty loamy sand among rock outcrops. Among pines, rough grazing. Wild.

385156. SS-16. On road to Avila, 29 km from El Escorial. Elevation 1,250 m. Herbaceous annual, grazed short. Gray brown, very gritty loamy sand among rock outcrops. Among pines, rough grazing. Wild.

385157. SS-20. On AV 503, 22 km south-southeast of Avila. Elevation 1,000 m. Herbaceous annual, grazed short. Light brown, very gritty loamy sand. Roadside agriculture, moderate grazing. Wild.

385158. SS-22. Just above Embalse de Burguillo, south of Avila. Elevation 1,100 m. Herbaceous annual, grazed short. Light brown, loamy sand. Wasteland, vineyard and roadside agriculture. Wild.

385159. SS-25. On N 403, 48 km south of Avila, a little past El Tiembra. Elevation 1,100 m. Herbaceous annual, grazed short. Light brown, gritty loamy sand. Roadside agriculture. Wild.

385160. SS-26. Fifteen km south-southwest of El Escorial. Elevation 1,000 m. Herbaceous annual, grazed short. Light brown, gritty loamy sand. Roadside agriculture. Wild.

385161. SS-28. Nineteen km south-southwest of El Escorial at turnoff to Caberos. Elevation 1,000 m. Herbaceous annual, grazed short. Light brown, gritty loamy sand. Edge of fallow paddock. Wild.

385162. SS-32. Ten km south-southwest of El Escorial. Elevation 1,100 m. Herbaceous annual, grazed short. Light brown, gritty loamy sand. Among pines, rough grazing. Wild.

385163. SS-38. On road to Plasencia, 45 km from Avila. Elevation 1,150 m. Herbaceous annual, grazed short. Light brown, very gritty loamy sand. Roadbank. Wild.

385054 to 385217—Continued**385151 to 385196—Continued**

- 385164.** SS-40. On road to Plasencia, 47 km from Avila. Elevation 1,150 m. Herbaceous annual, grazed short. Light brown, loamy sand. Wild.
- 385165.** SS-44. On road to Plasencia, 60 km from Avila. Elevation 1,200 m. Herbaceous annual, grazed short. Light brown loamy sand. Woodland margin, moderate grazing. Wild.
- 385166.** SS-46. On road to Plasencia, 75 km from Avila. Elevation 1,200 m. Herbaceous annual, grazed short. Light brown loamy sand. Fallow field and roadside agriculture. Wild.
- 385167.** SS-51. On road to Bejar, 36 km from Ciudad Rodrigo. Elevation 1,000 m. Herbaceous annual, grazed short. Pebbly, brown loamy sand pasture. Wild.
- 385168.** SS-53. On road to Bejar, 18 km east of Ciudad Rodrigo. Elevation 800 m. Herbaceous annual, grazed short. Stony, brown sandy loam. Fallow edge of crop land. Wild.
- 385169.** SS-56. On road to Caceres, 8 km south of Ciudad Rodrigo. Elevation 700 m. Herbaceous annual, grazed short. Stony, brown loamy sand to sandy loam. Roadside agriculture. Wild.
- 385170.** SS-59. Two km on road from Ciudad Rodrigo to Caceres, Route 512. Elevation 400 m. Herbaceous annual, grazed short. Gray, very gritty loamy sand. Among cork oaks. Wild.
- 385171.** SS-62. Twelve km along route 512 from Ciudad Rodrigo-Caceres road. Elevation 400 m. Rubbly, brown silty sand. Fallow paddock following cereal. Wild.
- 385172.** SS-65. Fifteen km west-northwest of Plasencia. Elevation 400 m. Herbaceous annual, grazed short. Grayish yellow, fine loamy sand. Natural pasture, little grazing. Wild.
- 385173.** SS-73. On road to Navalmoral de la Mata, 7 km from Jarandilla. Elevation 800 m. Herbaceous annual, grazed short. Gray, gritty loamy sand. Moderate and rough grazing. Wild.
- 385174.** SS-75. On road to Navalmoral, 24 km from Jarandilla. Elevation 300 m. Herbaceous annual, grazed short. Gray gritty sand. Among cork oaks, open grazing. Wild.
- 385175.** SS-87. On road to Merida, 24 km from Guadalupe. Elevation 600 m. Herbaceous annual, grazed short, Rubbly, brown flaky sandy loam. Pasture among olive trees. Wild.
- 385176.** SS-89. On road to Merida, 48 km from Guadalupe. Elevation 400 m. Herbaceous annual, grazed short. Among oaks, rough grazing. Wild.
- 385177.** SS-92. On N 435 to Huelva, 12 km from Zafra. Elevation 300 m. Herbaceous annual, grazed short. Light brown, stony loamy sand. Edge of cultivated field. Wild.
- 385178.** SS-97. On N 435 to Huelva, 33 km from Zafra. Elevation 600 m. Herbaceous annual, grazed short. Brown, light sandy loam. Among rocks at edge of cork oaks. Wild.
- 385179.** SS-101 On C 434 to Santa Olalla, 35 km from Fregenal de la Sierra. Elevation 900 m. Herbaceous annual, grazed short. Flaky, brown clay loam. Roadside agriculture. Wild.
- 385180.** SS-108. On road to Sevilla, 27 km from Santa Olalla, 98 km from Merida. Herbaceous annual, grazed short. Very rocky, gritty, light brown loamy sand. Wasteland. Wild.
- 385181.** SS-109. On road to Caceres, 7 km from Merida. Elevation 250 m. Herbaceous annual, grazed short. Pale brownish gray, gritty sand. Rough and heavy grazing. Wild.
- 385182.** SS-114. On road to Caceres, 41 km from Merida. Elevation 500 m. Herbaceous annual, grazed short. Stony, brown, fine sandy loam. Rough grazing among cork oaks. Wild.

385054 to 385217—Continued**385151 to 385196—Continued**

- 385183.** SS-116. On road to Badajoz, 8 km from Caceres. Elevation 350 m. Herbaceous annual, grazed short. Very gritty, gray loamy sand. Rough grazing. Wild.
- 385184.** SS-118. Thirty-two km northwest of Merida, near La Roca. Elevation 300 m. Herbaceous annual, grazed short. Pale brownish gray, gritty sandy loam. Among cork oaks, moderate grazing. Wild.
- 385185.** SS-120. On road to Cordoba, 47 km from Zafra. Elevation 500 m. Herbaceous annual, grazed short. Gritty, light brown sandy loam. Among rocks at edge of fallow. Wild.
- 385186.** SS-125. On N 432 to Pueblonuevo, 27 km from Cordova. Elevation 450 m. Herbaceous annual, grazed short. Light brown, fine sandy loam. Natural grazing among cork oaks. Wild.
- 385187.** SS-128. Seventeen km off Cordoba-Madrid highway along route N 420 to Ciudad Real. Elevation 250 m. Herbaceous annual, grazed short. Gritty, brown sandy loam. Roadbank. Wild.
- 385188.** SS-130. Six km from Venta de Cardena on N 420 to Ciudad Real, 45 km from Cordoba-Madrid highway. Elevation 500 m. Herbaceous annual, grazed short. Gray brown, very gritty loamy sand. Natural grazing among cork oaks. Wild.
- 385189.** SS-133. Ninety km from Cordoba-Madrid highway along N 420 to Ciudad Real. Elevation 830 m. Herbaceous annual, grazed short. Rocky, brown sandy loam. Roadside agriculture. Wild.
- 385190.** SS-142. On road to Valverde, 8 km from Valverde, 22 km from La Palma del Condado. Elevation 250 m. Herbaceous annual, grazed short. Pale brown, gritty sand. Edge of *Eucalyptus* plantation. Wild.
- 385191.** SS-145. Zalamea la Real, 21 km from Valverde on road to Aracena/Jabugo. Elevation 400 m. Herbaceous annual, grazed short. Brown sandy loam. Edge of *Eucalyptus* plantation. Wild.
- 385192.** SS-151. On N 433 to Portuguese border, four km from Galaroza. Elevation 600 m. Herbaceous annual, grazed short. Light brown, gritty loamy sand. Roadside agriculture. Wild.
- 385193.** SS-154. On N 433, 21 km east from Portuguese border. Elevation 300 m. Herbaceous annual, grazed short. Gray brown, gritty loamy sand. Among granite rocks near road. Wild.
- 385194.** SS-162. On road to Verin, 13 km from Orense. Elevation 450 m. Herbaceous annual, grazed short. Gritty, gray brown loamy sand. Roadside agriculture. Wild.
- 385195.** SS-168. Orense, on C 546. Elevation 250 m. Herbaceous annual, grazed short. Brown loamy sand. Edge of road. Wild.
- 385196.** SS-176. Verin, below parador. Elevation 250 m. Herbaceous annual, grazed short. Granite gritty loamy sand. Roadside agriculture. Wild.
- 385197.** ORNITHOPUS PERPUSILLUS L.
SS-64. Twelve km along route 512 from Ciudad Rodrigo-Caceres road. Elevation 400 m. Herbaceous annual, grazed short. Rubbly, brown silty sand. Fallow paddock following cereal. Wild.
- 385198 to 385205.** ORNITHOPUS PINNATUS (Mill.) Druce
- 385198.** SS-60. Route 512, two km on road from Ciudad Rodrigo to Caceres. Elevation 400 m. Herbaceous annual, grazed short. Gray, very gritty loamy sand. Among cork oaks. Wild.
- 385199.** SS-63. Twelve km along route 512 from Ciudad Rodrigo-Caceres road. Elevation 400 m. Herbaceous annual, grazed short. Rubbly, brown silty sand. Fallow paddock following cereal. Wild.
- 385200.** SS-66. Fifteen km west-northwest of Plasencia. Elevation 400 m. Herbaceous annual, grazed short. Grayish yellow, fine loamy sand. Natural pasture, little grazing. Wild.

385054 to 385217—Continued**385198 to 385205—Continued**

- 385201.** SS-74. On road to Navalmoral de la Mata, 7 km from Jardandilla. Elevation 800 m. Herbaceous annual, grazed short. Gray, gritty loamy sand. Moderate and rough grazing. Wild.
- 385202.** SS-76. On road to Navalmoral, 24 km from Jarandilla. Elevation 300 m. Herbaceous annual, grazed short. Gray gritty sand. Among cork oaks, open grazing. Wild.
- 385203.** SS-88. On road to Merida, 24 km from Guadalupe. Elevation 600 m. Herbaceous annual, grazed short. Rubbly, brown, flaky sandy loam. Pasture among olive trees. Wild.
- 385204.** SS-117. On road to Badajoz, 8 km from Caceres. Elevation 350 m. Herbaceous annual, grazed short. Very gritty, gray loamy sand. Rough grazing. Wild.
- 385205.** SS-143. On road to Valverde, 8 km from Valverde, 22 km from La Palma del Condado. Elevation 250 m. Herbaceous annual, grazed short. Pale brown gritty sand. Edge of *Eucalyptus* plantation. Wild.

385206 to 385217. TRIFOLIUM SUBTERRANEUM L. Leguminosae.**Subterranean clover.**

- 385206.** SS-3. Twenty-five km north-northwest of Madrid. Elevation 900 m. Herbaceous annual, grazed short. Light brown, gritty sandy loam. Woodland margin. Wild.
- 385207.** SS-10. El Escorial. Elevation 1,050 m. Herbaceous annual, grazed short. Gritty, light brown loamy sand. Forest margin. Wild.
- 385208.** SS-36. On road to Plasencia, 34 km from Avila. Elevation 1150 m. Herbaceous annual, grazed short. Light brown, gritty loamy sand. Natural grazing. Wild.
- 385209.** SS-42. On road to Plasencia, 59 km from Avila. Elevation 1200 m. Herbaceous annual, grazed short. Light brown, loamy sand. Rocky, rough grazing. Wild.
- 385210.** SS-57. On road to Caceres, 19 km from Ciudad Rodrigo. Elevation 800 m. Herbaceous annual, grazed short. Brown, silty, sandy loam. Natural pasture. Wild.
- 385211.** SS-58. On road to Caceres, 28 km from Ciudad Rodrigo. Elevation 800 m. Herbaceous annual, grazed short. Fine, brown silty loam. Natural pasture. Wild.
- 385212.** SS-80. On road to Guadalupe, 46 km from Navalmoral. Elevation 700 m. Herbaceous annual, grazed short. Flaky brown loam. Roadbank. Wild.
- 385213.** SS-102. On C 434 to Santa Olalla, 35 km from Fregenal de la Sierra. Elevation 900 m. Herbaceous annual, grazed short. Flaky brown clay loam. Roadside agriculture. Wild.
- 385214.** SS-126. On N 432 to Pueblonuevo, 27 km from Cordova. Elevation 450 m. Herbaceous annual, grazed short. Light brown, fine sandy loam. Natural grazing among cork oaks. Wild.
- 385215.** SS-163. On road to Verin, 13 km from Orense. Elevation 450 m. Herbaceous annual, grazed short. Gritty, gray brown loamy sand. Roadside agriculture. Wild.
- 385216.** SS-177. Verin, near gateway into parador. Elevation 300 m. Herbaceous annual, grazed short. Granite loamy sand, some organic matter. Moderate grazing. Wild.
- 385217.** SS-180. On road to Verin, five km from Portuguese border. Elevation 250 m. Herbaceous annual, grazed short. Gritty brown, loamy sand, and organic matter. Wild.

385218 to 385220. ASPARAGUS OFFICINALIS L. Liliaceae.**Garden asparagus.**

From United States. Seed presented by Ferry Morse Seed Company, Mountain View, California. Received January 21, 1974.

385218. 'Mary Washington'. Lot No. 10221.

385219. 'U.C. 72'. Lot No. 10220.

385220. 'U.C. 711'. Lot No. 10222.

385221 to 385237 COFFEA ARABICA L. Rubiaceae.**Arabian coffee.**

From Brazil. Seed presented by E. B. Germeck, Section of Economic Botany, Instituto Agronomico, Campinas, Sao Paulo, Received July 3, 1973.

All resistant to *Hemileia vastatrix*.

385221. EP 24 LC 1107.

385230. EP 24 LC 1137.

385222. EP 24 LC 1110.

385231. EP 24 LC 1151.

385223. EP 24 LC 1116.

385232. EP 88 LC 1472.

385224. EP 24 LC 1120.

385233. EP 88 LC 1473.

385225. EP 24 LC 1125.

385234. EP 7002 LC 1561.

385226. EP 24 LC 1128.

385235. EP 48 H 3849-9.

385227. EP 24 LC 1130.

385236. EP 48 H 3851-3.

385228. EP 24 LC 1132.

385237. EP 95 1350-4-5.

385229. EP 24 LC 1136.

385238 to 385264.

From Yugoslavia. Seed Presented by Lav Rajevski, Botanist, Biological Institute, Yugoslav Academy of Science and Arts, Dubrovnik, under Public Law 480 Project E30-CR-146. Received March 1, 1974.

385238. ACER CAMPESTRE L. Aceraceae.

150. Mount Falanovo, hill near Ostrozac, Bosnia and Herzegovina. Elevation 350 m.

385239. ACER MONSPESSULANUM L.

Montpelier maple.

151. Mount Falanovo, hill near Ostrozac, Bosnia and Herzegovina. Elevation 400 m.

385240. ACER PSEUDOPLATANUS L.

Sycamore maple.

152. Mount Velez near Nevesinje, Bosnia and Herzegovina. Elevation 700 m.

385241. AMELANCHIER OVALIS Medic. Rosaceae.

165. Mount Celinac near Cetinje, Montenegro. Elevation 1,040 m.

385242. CARPINUS BETULUS L. Betulaceae.

European hornbeam.

156. Mount Romanija, Bosnia and Herzegovina. Elevation 900 m.

385243 and 385244. CORNUS MAS L. Cornaceae.

Cornelian-cherry.

385243. 159. Mount Crvanj near Nevesinje, Bosnia and Herzegovina. Elevation 700 m.

385244. 160. Mount Strahinjica, North Croatia. Elevation 520 m.

385245. COTONEASTER TOMENTOSA (Ait.) Lindl. Rosaceae.

166. Mount Trebevic near Sarajevo, Bosnia and Herzegovina. Elevation 1,550 m.

385246. DAPHNE ALPINA L. Thymelaeaceae.

Alpine daphne.

172. Mount Prenj, Bosnia, and Herzegovina. Elevation 1,950 m.

385247. DAPHNE LAUREOLA L.

Spurge daphne.

171. Mount Strahinjica, North Croatia. Elevation 600 m.

385238 to 385264—Continued

- 385248.** DAPHNE MEZEREUM L. February daphne.
170. Mount Strahinjica, North Croatia. Elevation 650 m.
- 385249.** EUONYMUS LATIFOLIUS Mill. Celastraceae. **Broadleaf burningbush.**
162. Mount Strahinjica, North Croatia. Elevation 550 m.
- 385250.** EUONYMUS VULGARIS Mill.
161. Near Fojnica, Bosnia and Herzegovina. Elevation 650 m.
- 385251.** FRAXINUS EXCELSIOR L. Oleaceae. **European ash.**
153. Mount Velez near Nevesinje, Bosnia, and Herzegovina. Elevation 650 m.
- 385252.** FRAXINUS ORNUS L. **Flowering ash.**
155. Zubci near Trebinje, Bosnia, and Herzegovina. Elevation 450 m.
- 385253.** FRAXINUS OXYCARPA Willd. **Ash.**
154. Near Caplina, Bosnia, and Herzegovina. Elevation 190 m.
- 385254.** ILEX AQUIFOLIUM L. Aquifoliaceae. **English holly.**
173. Mount Medjuvrse near Kresevo, Bosnia, and Herzegovina. Elevation 900 m.
- 385255.** LIGUSTRUM VULGARE L. Oleaceae. **European Privet.**
158. Mount Igman near Sarajevo, Bosnia, and Herzegovina. Elevation 950 m.
- 385256.** LONICERA GLUTINOSA Vis. Caprifoliaceae.
169. Mount Orijen, Montenegro. Elevation 1,200 m.
- 385257.** OSTRYA CARPINIFOLIA Scop. Betulaceae. **Hophornbeam.**
157. Mount Velez near Nevesinje, Bosnia, and Herzegovina. Elevation 600 m.
- 385258 and 385259.** PINUS HELDREICHII Christ Pinaceae.
385258. 174. Mount Prenj, Ruiste, Bosnia, and Herzegovina. Elevation 1,400 m.
385259. 175. Mount Orijen, Montenegro. Elevation 1,460 m.
- 385260.** RHAMNUS FALLAX Boiss. Rhamnaceae. **Veiny buckthorn.**
167. Mount Cvrstica, Bosnia, and Herzegovina. Elevation 750 m.
- 385261.** SAMBUCUS RACEMOSA L. Caprifoliaceae. **European red elder.**
168. Mount Strahinjica, North Croatia. Elevation 700 m.
- 385262 and 385263.** SORBUS AUCUPARIA L. Rosaceae. **European mountain-ash.**
385262. 163. Mount Velez near Nevesinje, Bosnia, and Herzegovina. Elevation 900 m.
385263. 164. Mount Strahinjica, North Croatia. Elevation 840 m.
- 385264.** TAXUS BACCATA L. Taxaceae. **English yew.**
176. Mount Trebevic near Sarajevo, Bosnia, and Herzegovina. Elevation 1,350 m.

385265 to 385284. SACCHARUM (hybrid) Gramineae.**Sugarcane.**

From India. Cuttings presented by Director, Sugarcane Breeding Institute, Coimbatore. Received March 19, 1974.

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| 385265. 'B.O.11'. | 385270. 'CO.312'. |
| 385266. 'B.O.14'. | 385271. 'CO.356'. |
| 385267. 'CO.213'. | 385272. 'CO.412'. |
| 385268. 'CO.214'. | 385273. 'CO.449'. |
| 385269. 'CO.244'. | 385274. 'CO.513'. |

385265 to 385284—Continued

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| 385275. 'CO.718'. | 385280. 'CO.1148'. |
| 385276. 'CO.740'. | 385281. 'CO.6304'. |
| 385277. 'CO.775'. | 385282. 'CO.6806'. |
| 385278. 'CO.975'. | 385283. 'CO.S.109'. |
| 385279. 'CO.1140'. | 385284. 'CO.S.321'. |

385285. GLEDITSIA SINENSIS Lam. Leguminosae.**Chinese honeylocust.**

From Greece. Seed presented by Botanic Garden, Institute of Systematic Botany and Botanical Museum, University of Athens, Panepstitimiopolis, Athens. Code numbers refer to 1973 Index Seminum. Received January 25, 1974.

No. 50.

385286 to 385289. GOSSYPIUM HIRSUTUM L. Malvaceae.**Upland cotton.**

From Tanzania. Seed presented by D. L. Ebbels, Western Research Station, Ukiriguru, Mwanza. Received January 31, 1974.

385286. 'UK 64'. Commercial use in Africa.
 385287. 'Nectariless X UKA G2 1'.
 385288. 'Nectariless X UKA A1'.
 385289. 'Nectariless X UKA 67'.

385290 and 385291.

From Germany. Seed presented by Botanischer Garten der Johannes Gutenberg-Universität, Deutschland. Received March 19, 1974.

385290. ASPARAGUS DENSIFLORUS (Kunth) Jessop Liliaceae.
 385291. ASPARAGUS VERTICILLATUS L.

385292 to 385302. VIGNA RADIATA (L.) Wilczek**Leguminosae.****Mungbean.**

From United States. Seed held by Department of Agronomy, University of Missouri, Columbia, Missouri. Received March 15, 1974.

385292. M472. Reselection from P.I. 180311. United States.
 385293. M473. 'SS M1'. Indian Agricultural Research Institute, New Delhi, India.
 385294. M474. 'Shela Mung'. Indian Agricultural Research Institute, New Delhi, India.
 385295. M475. 'Kanke Multipurpose'. Indian Agricultural Research, New Delhi, India.
 385296. M477. 'D66-26'. Indian Agricultural Research Institute, New Delhi, India.
 385297. M479. 'H70-6'. Indian Agricultural Research Institute, New Delhi, India.
 385298. M480. 'H70-16'. Indian Agricultural Research Institute, New Delhi, India.
 385299. M529. 48-069-11067. Iran.
 385300. M530. 48-069-10827. Iran.
 385301. M531. 48-069-10961. Iran.
 385302. M532. 48-069-11167. Iran.

385303. BETULA ERMANNII Champ. Betulaceae.**Birch.**

From Union of Soviet Socialist Republics. Seed presented by Botanic Garden, Moscow Agriculture Academy, Moscow. Received March 5, 1974.

385304. EUODIA SCHULLEI Warb. Rutaceae.

From England. Seed presented by The Royal Horticultural Society, Wisley, Ripley, Woking, Surrey. Received January 21, 1974.

385305 and 385306.

From Bhutan. Seed collected winter 1973 and presented through Andrew Tse, Clover Commercial Seed Company, Hong Kong. Received January 28, 1974.

385305. RHODODENDRON sp. Ericaceae.
Pink Flower.

385306. RHODODENDRON sp.
Red flower.

385307. GLEDITSIA JAPONICA Miq. Leguminosae.**Honeylocust.**

From Japan. Seed presented by The Aritaki Arboretum, Saitama-Ken. Code number refers to 1973 Seed Exchange List. Received February 13, 1974.

No. 109.

385308 to 385314.

From Union of Soviet Socialist Republics. Seed presented by Main Botanical Garden, Moscow. Received January 21, 1974.

385308. LEDUM MACROPHYLLUM Tolmatch. Ericaceae.
Sachalin-Zaozeroy, Siberia.

385309. LEUCOTHOE GRAYANA Maxim. Ericaceae.
Siberia.

385310. MENZIESIA PENTANDRA Max. Ericaceae.
Siberia.

385311. VACCINIUM HIRTUM Thunb. Ericaceae.
Sachalin, Siberia.

385312. VACCINIUM OVALIFOLIUM Smith **Ovalleaf whortleberry.**
Sachalin, Siberia.

385313. VACCINIUM PRAESTANS Lamb.
Sachalin-Zaozeroy, Siberia.

385314. VACCINIUM VITIS-IDEA L. **Cowberry.**
Sachalin-Zaozeroy, Siberia.

385315 and 385316.

From Sweden. Seed presented by Botanical Garden, University of Lund, Lund. Code numbers refer to 1974 Seed List. Received February 6, 1974.

385315. VERBASCUM NIGRUM Pall. ex Bieb. Scrophulariaceae.
No. 439.

385316. VERBASCUM THAPSUS L.
No. 440.

385317. BROMUS UNIOLOIDES Kunth Gramineae.

From United States. Seed presented by National Plant Materials Center, Soil Conservation Service, Beltsville, Maryland. Received February 6, 1974.

BN-19679-70. B.L. Kilgore Ranch, 3 km east of Hollister, Florida, and 0.80 km south of Route 40. Reproduced at Florida Plant Material Center under F-5241.

385318 to 385345.

From Kenya. Seed presented by S. W. Braverman, Division of Plant Quarantine Services, East African Agriculture and Forestry Research Organization, Nairobi. Reproduced at Muguga, elevation 2,095 meters. Received February 5, 1974.

385318 to 385345—Continued**385318.** *ARISTIDA ADOENSIS* Hochst. Gramineae.

Along roadside, Muguga. Plants 20 to 30 cm wide, basal leaves, few cauline. Culms 35 to 50 cm. Seed heads 12 to 14 cm. Seeds typically 3-awned. Wild.

385319. *BRACHIARIA RUZIZIENSIS* Germain & Evrard Gramineae.

Serere Research Station, Soroti, Uganda. May be variety 'Congo Signal'. Cultivated.

385320 and 385321. *CENCHRUS CILIARIS* L. Gramineae. **Buffelgrass.****385320.** 'Maswa'. Western Research Station, Ukiriguru, Tanzania. Cultivated.**385321.** 'Nyasaland'. Western Research Station, Ukiriguru, Tanzania. Cultivated.**385322 to 385345.** *ORYZA SATIVA* L. Gramineae.**Rice.****385322.** E.A.I. 1396. 'Usen'. Originally from IRRI/Philippines.**385323.** E.A.I. 1766. 'MAD/S'. Rwanda.**385324.** E.A.I. 2185. 'Bala'. India.**385325.** E.A.I. 2186. 'Jaganath'. India.**385326.** E.A.I. 2187. 'Jaya'. India.**385327.** E.A.I. 2189. 'Padma'. India.**385328.** E.A.I. 2216. 'IR 759-54-2-2'. Originally from IRRI/Philippines.**385329.** E.A.I. 2218. 'IR 841-67-1-1-1'. Originally from IRRI/Philippines.**385330.** E.A.I. 2219. 'IR 841-85-1-1-2'. Originally from IRRI/Philippines.**385331.** E.A.I. 2225. 'IR 1529-34-1-6'. Originally from IRRI/Philippines.**385332.** E.A.I. 2226. 'IR 1529-53-2'. Originally from IRRI/Philippines.**385333.** E.A.I. 2227. 'IR 1529-72-5-5'. Originally from IRRI/Philippines.**385334.** E.A.I. 2228. 'IR 1529-167-2-2'. Originally from IRRI/Philippines.**385335.** E.A.I. 2229. 'IR 1529-548-1-2'. Originally from IRRI/Philippines.**385336.** E.A.I. 2230. 'IR 1529-680-3-2'. Originally from IRRI/Philippines.**385337.** E.A.I. 2231. 'IR 1539-823-1-4'. Originally from IRRI/Philippines.**385338.** E.A.I. 2232. 'IR 1541-102-3'. Originally from IRRI/Philippines.**385339.** E.A.I. 2233. 'IR 1480-125-2-3.' Originally from IRRI/Philippines.**385340.** E.A.I. 2234. 'IR 1561-243-5-6'. Originally from IRRI/Philippines.**385341.** E.A.I. 2235. 'IR 1561-250-2-2'. Originally from IRRI/Philippines.**385342.** E.A.I. 2236. 'IR 1626-71-2-2'. Originally from IRRI/Philippines.**385343.** E.A.I. 2237. 'IR 1626-88-2-2'. Originally from IRRI/Philippines.**385344.** E.A.I. 2241. 'Ratna'. Originally from IRRI/Philippines.**385345.** E.A.I. 2242. 'RD 1'. Originally from IRRI/Philippines.**385346.** *GLEDITSIA AMORPHOIDES* (Griseb.) Taub.

Leguminosae.

Amorpha honeylocust.

From Argentina. Seed presented by Universidad Nacional de la Plata, Jardin Agrobotanico de Santa Catalina, Instituto Fitotecnico, Llavallol. Received April 2, 1974.

385347. *RHYNCHELYTRUM REPENS* (Willd.) C.E. Hubb.

Gramineae.

From Kenya. Seed presented by S. W. Braverman, Division of Plant Quarantine Services, East African Agriculture and Forestry Research Organization, Nairobi. Reproduced at Muguga, elevation 2,095 meters. Received February 5, 1974.

385347—Continued

Along roadside, *Muguga*. Plants 25 to 35 cm wide, not too leafy. Leaves mostly distributed, culms 40 to 60 cm. Seed heads cottony. Would make a fine ornamental grass. Cultivated.

385348. ANDROPOGON sp. Gramineae.

From Senegal. Seed presented by unidentified donor. Received September 26, 1973.

385349 to 385355.

From Kenya. Seed collected by R. W. Spjut, Medicinal Plant Resources Laboratory, Plant Genetics and Germplasm Institute, Agricultural Research Center, Beltsville, Maryland. Received February 1, 1974.

385349. ABUTILON LONGICUSPE Hochst. ex A. Rich. Malvaceae.

SPJ 3183. Eight km northeast of Londiani, Rift Valley Province, Nakuru District. More or less a natural, dry, scrubby forest. Elevation 2,743 m.

385350. HIBISCUS APONEURUS Sprague & Hutch. Malvaceae.

SPJ 3233. Just west of Kaitui, 32 km northwest of Kericho to junction of road S, then south on road 8 km. Rift Valley Province, Kericho District. Herb to 1 m. Flowers slightly irregular, bright red with curved staminal tube. Gradation from *Combretum* bushland to woods on slopes, to *Acacia* savanna on plains.

385351. HIBISCUS DIVERSIFOLIUS Jacq. var. WITTEANUS Hochst.

SPJ 3184. Eight km northeast of Londiani. Rift Valley Province, Nakuru District. More or less a natural, dry, scrubby forest. Elevation 2,743 m. Shrub to 1 m, many branches. Flowers yellow with purple centers.

385352. HIBISCUS MICRANTHUS L. f.

SPJ 3052. On road to Castle Forest Station, 0.4 km north of junction of Embu-Nairobi Road. Central Province, Embu District. Elevation between 1,219 and 1,524 m. Erect herb, to 1.5 m high. Flowers light pink, anthers yellow.

385353. HIBISCUS sp.

SPJ 3058. On south slopes of Mount Kenya, 2.4 km north of Kiambatha School. Central Province, Embu District. Elevation 1,737 m. Erect, branched shrub to 3 m. Petals rose red to deep red at base. Common.

385354. PAVONIA URENS Cav. Malvaceae.

SPJ 3105. Near airfield at Chegoibe Tea Estate, west border of Mau Escarpment, 8 km south of Kericho. Rift Valley Province, Kericho District. Moist, semi-deciduous montane forest. Elevation 2,134 m. Growing in association with *Hagenia abyssinica*, *Albizia gummifera*, *Croton macrostachys*, *Fagara lepreiuri*, *Polyscias*, *Macaranga*, *Neoboutonia*, *Tabernaemontana*, and *Bersama*.

385355. URENA LOBATA L. Malvaceae.

SPJ 3012. On south slopes of Mount Kenya, vicinity of Castle Forest Station. Semi-deciduous montane forest. Elevation 2,134 m. Flowers lavender.

385356 to 385372.

From South Africa. Seed presented by National Botanic Gardens, Kirstenbosch, Newlands, Cape Province. Received February 7, 1974.

385356. LEUCADENDRON ARGENTEUM (L.) R. Br. Proteaceae.**385357. LEUCOSPERMUM BOLUSII Phillips****385358. LEUCOSPERMUM CATHERINAE Compton****385359. LEUCOSPERMUM CORDIFOLIUM (Knight) Fourc.****385360. LEUCOSPERMUM GRANDIFLORUM R. Br.****385361. LEUCOSPERMUM MUIRII Phillips****385362. LEUCOSPERMUM TOTTUM R. Br.****385363. LEUCOSPERMUM TRUNCATUM Buek. ex Meissn.****385364. LEUCOSPERMUM sp.****385365. LEUCOSPERMUM sp.****385366. LEUCOSPERMUM sp.**

385356 to 385372—Continued

385367. *PROTEA ASPER* Phillips Proteaceae.
 385368. *PROTEA BARBIGERA* Meissn.
 385369. *PROTEA COMPACTA* R. Br.
 385370. *PROTEA CYNAROIDES* L.
 385371. *PROTEA EXIMIA* (Knight) Fourc.
 385372. *PROTEA GRANDICEPS* Tratt.

385373 to 385386.

From South Africa. Seed presented by Plant Introduction Officer, Department of Agricultural Technical Services, Pretoria. Received February 5, 1972.

385373. *BECKEROPSIS UNISETA* (Nees) Stapf ex Robyns Gramineae.
 Acc. 72/270. N68/63.
- 385374 and 385375. *CENCHRUS CILIARIS* L. Gramineae. **Buffelgrass.**
 385374. Acc. 73/32. West Messina.
 385375. Acc. 73/33. Roetan.
385376. *DIGITARIA SWAZILANDENSIS* Stent Gramineae.
 Acc. 72/271. N68/200.
- 385377 and 385378. *ERAGROSTIS CURVULA* (Schrad.) Nees Gramineae.
Weeping lovegrass.
 385377. Acc. 72/273. Pelleted.
 385378. Acc. 73/34. Grootfontein.
385379. *ERAGROSTIS CURVULA* var. *CONFERTA* Nees **Lovegrass.**
 Acc. 72/345. Karoo.
385380. *ERAGROSTIS SUPERBA* Peyr. **Lovegrass.**
 Acc. 72/302. Soutpan.
385381. *INDIGOFERA ASPERA* Perr. ex. DC; Leguminosae.
 Acc. 73/162.
385382. *INDIGOFERA NEBROWNIANA* J.B. Gillett
 Acc. 73/147.
385383. *RHYCHOSIA JACOTTETTI* Schinz Leguminosae.
 Acc. 73/21.
385384. *RHYCHOSIA MINIMA* (L.) DC. var. *PROSTATATA* (Harv.) Meikle
 Acc. 73/254.
385385. *TRIFOLIUM AFRICANUM* Ser. Leguminosae.
 Acc. 73/127.
385386. *VOANDZEIA SUBTERRANEA* (L.) Thouars Leguminosae.
 Acc. 73/93. Ditloo.

38537 and 385388. KOELREUTERIA PANICULATA Laxm.

Sapindaceae.

Goldenrain-tree.

From Korea. Seed presented by Cho Moo-Yun, Hongnung Arboretum, Forest Research Institute, Chongyangni, Tongdaemun-Ku, Seoul. Received February 28, 1974.

385387. Anmyun-Do.
 385388. Jin-Hae.

385389 to 385393.

From Switzerland. Seed presented by Conservatoire et Jardin Botaniques, de la Ville de Geneve, Geneva. Code numbers refer to 1973 Index Seminum. Received February 27, 1974.

385389. *VERBASCUM DENSIFLORUM* Bertol. Scrophulariaceae.
 No. 2144.

385389 to 385393—Continued

385390. VERBASCUM GRAECUM Heldr. & Sart.
No. 2247.

385391 and 385392. VERBASCUM LYCHNITIS L.

385391. No. 1431.

385392. No. 2145.

385393. VERBASCUM THAPSUS L.
No. 2146.

385394 and 385395.

From Germany. Seed presented by Botanic Garden, Berlin-Dahlem. Code numbers refer to 1973 Index Seminum. Received February 20, 1974.

385394. GLEDITSIA JAPONICA Miq. Leguminosae. **Honeylocust.**
No. 836.

385395. GLEDITSIA TRIACANTHOS L. **Honeylocust.**
No. 837.

385396 and 385397.

From Canary Islands. Seed presented by Jardin de Aclimatacion Orotava, Puerto de la Cruz, Tenerife. Code numbers refer to 1972 Index Seminum. Received February 6, 1974.

385396. ILEX CANARIENSIS Poir. Aquifoliaceae.
140. Taganana. Native material.

385397. ILEX PERADO var. PLATYPHYLLA (Webb & Berth.) Loes.
141. Las Mercedes. Native material.

385398 to 385934. ORYZA SATIVA L. Gramineae. **Rice.**

From Pakistan. Seed collected 1971-72 by Imtizag Husain, Agricultural Research Council, Karachi under Public Law 480 Project A17-PSR-5. Received February 20, 1974.

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| 385398. 50-Kala Bunda. | 385419. 123-Basmati. |
| 385399. 50A-Kala Bunda. | 385420. 128-Chamber. |
| 385400. 54-Hansraj. | 385421. 134-Basmati. |
| 385401. 54A-Hansrag. | 385422. 136-Basmati. |
| 385402. 62-Hansraj. | 385423. 137-Palam Puri Basmati. |
| 385403. 242-Basmati. | 385424. 140-Basmati. |
| 385404. 369-Hansraj. | 385425. 187-Basmati Sufaid. |
| 385405. 379-Harandi. | 385426. 189-Hansraj (Fine). |
| 385406. 413-Bara. | 385427. 208-Basmati. |
| 385407. 1-Basmati. | 385428. 213-Basmati (Fine). |
| 385408. 1A-Basmati. | 385429. 213C-Basmati (Medium). |
| 385409. 43-Son Fine. | 385430. 242-Basmati. |
| 385410. 43A-Basmati. | 385431. 249-Hansraj. |
| 385411. 48-Begumi (Fine). | 385432. 286-Fine. |
| 385412. 51A-Begmi. | 385433. 286A-Toga (Coarse). |
| 385413. 51S-Begmi. | 385434. 312-Mushkan No. 2. |
| 385414. 55-Hansraj. | 385435. 321-Dera Duni. |
| 385415. 100-Basmati Sufaid. | 385436. 334-Basmati. |
| 385416. 106-Basmati No. 12. | 385437. 365-Hansraj. |
| 385417. 106-Basmati Sufaid. | 385438. 365A-Hansraj. |
| 385418. 122-Basmati. | 385439. 370-Basmati. |

385398 to 385934—Continued

385440.	370A-Basmati.	385483.	300-Dhan.
385441.	370B-Basmati.	385484.	310-Bamla Red No. 6.
385442.	372-Basmati.	385485.	319-Kanhgra.
385443.	372A-Basmati.	385486.	335-Mahler.
385444.	372B-Basmati.	385487.	403-Dhan.
385445.	375-Basmati.	385488.	414-Rohru.
385446.	375A-Basmati.	385489.	B35.
385447.	376-Basmati.	385490.	C35.
385448.	377-Basmati.	385491.	N/35.
385449.	381-Basmati Nahan.	385492.	RB 2.
385450.	388-Basmati.	385493.	RB 3.
385451.	392-Kamoh.	385494.	18-Coarse white.
385452.	397-Basmati.	385495.	20-Sufaida.
385453.	410-Basmati.	385496.	22-Baggi Munji.
385454.	427-Basmati.	385497.	26-Jhona.
385455.	433-Basmati.	385498.	29-Kaul.
385456.	443-Basmati.	385499.	34-Bagga Sugdas.
385457.	Kamon Basmati.	385500.	39-Mushkan Barani.
385458.	Begumi.	385501.	45-Sonpattar.
385459.	13-Hansraj.	385502.	64S-Mungi Sufaid (Kalrathi).
385460.	13A-Hansraj (Fine).	385503.	65.
385461.	60-Palman.	385504.	73A-Mushkan.
385462.	197-Hansraj.	385505.	78-Munji Sufaid.
385463.	302-Begumi.	385506.	91A-Jhona.
385464.	304-Lal Dhan.	385507.	94-Daggar Sufaid.
385465.	340A-Mushkan.	385508.	99-Coarse variety.
385466.	NC 3/6.	385509.	102-Dhan Kasarwala No. 4.
385467.	78B B/1 Munji (Sufaid).	385510.	108-Dhan Kasarwala No. 3.
385468.	78B B/2 Mungi (Sufaid).	385511.	109-Jhona.
385469.	199A-Begumi.	385512.	111-Kasarwala and Mundara No. 7.
385470.	199B-Coarse variety.	385513.	116-Kasarwala Mundra.
385471.	140-Basmati.	385514.	17-Jhona Mamun.
385472.	140-A-Dhan.	385515.	119A-Begmi.
385473.	150-Rohdu.	385516.	129-Jhona.
385474.	200-Chipeta.	385517.	131-Dhan Kasarwala.
385475.	201-Chalaka.	385518.	133-Dhan.
385476.	202-K-No. 17.	385519.	135-Begmi.
385477.	204-E.B.	385520.	135A-Begmi.
385478.	211-Chalaka Coarse.	385521.	141-Bijra.
385479.	214-Coarse.	385522.	145-Jhona.
385480.	234-Chalaka.	385523.	147-Bungua.
385481.	247-Dhan.	385524.	147A-Begumi (Medium).
385482.	276-Bamla.		

385398 to 385934—Continued

385525.	152-Begumi.	385569.	104S-Jhona.
385526.	153-Jhona.	385570.	116A-Jhona.
385527.	165-Begumi Coarse.	385571.	135-Begum.
385528.	166A-Jhona.	385572.	154-Sufaida.
385529.	191-Jhona.	385573.	155-Jhona.
385530.	219-Tiri (Coarse).	385574.	156S-Jhona White.
385531.	220-Munji.	385575.	160-White Munji.
385532.	221-Coarse white.	385576.	161-Basmati Surkh.
385533.	224-Awned and coarse.	385577.	170-Coarse.
385534.	268.	385578.	172-Sufaida.
385535.	268A-Coarse.	385579.	173-Coarse White.
385536.	294-Begimi.	385580.	173-Munji.
385537.	299-Dhan Sufaid.	385581.	174-PI.
385538.	303-Dagar.	385582.	178-Jhona.
385539.	308-Sathara.	385583.	180-Coarse variety.
385540.	320-Bamla Sufaid.	385584.	182-Coarse variety.
385541.	357-Coarse.	385585.	183-Coarse Jhona.
385542.	360.	385586.	184-Coarse variety.
385543.	367-Bijar Dhan.	385587.	192-Jhona.
385544.	389-Munji.	385588.	193-Jhona.
385545.	412-Babri Jhona Kasarwala.	385589.	195-Siah NaKidar.
385546.	415.	385590.	196-Coarse.
385547.	418-Jhona Babri K.W:	385591.	198A-Dudhmalia (White).
385548.	17-Sufadi.	385592.	198C-Dankhi Raj.
385549.	19-Munji Sufaid.	385593.	213B-Coarse.
385550.	20-Sufaida.	385594.	222B-Sufaida.
385551.	21-Sufaida.	385595.	226S-Sufaida.
385552.	22-Baggi Munji.	385596.	227-Sufaida.
385553.	23A-Munji Sufaid.	385597.	230-Soin.
385554.	23B-Munji Sufaid.	385598.	236-Tiri.
385555.	25-Bara Coarse.	385599.	237-Tiri Sufaid.
385556.	40-Coarse white.	385600.	265-Sathra.
385557.	42-Jhona Whote Nehri.	385601.	267.
385558.	44-Jhona white.	385602.	269-Coarse Balded.
385559.	67-Jhona Sufaid.	385603.	272.
385560.	76-Jhona.	385604.	274.
385561.	76S-Coarse.	385605.	274A.
385562.	78-Munji Sufaid.	385606.	275-Sathri.
385563.	79S-Jhona.	385607.	284-Dhan.
385564.	82C-Jhona.	385608.	288-Santhri.
385565.	83-Jhona White.	385609.	293.
385566.	86-Jhona White.	385610.	298-Jhona.
385567.	88-Coarse White.	385611.	304-Lal Dhan.
385568.	90S-Mundara Dhan.	385612.	308-Sathra.

385398 to 385934—Continued

385613.	313-Rodha (Coarse).	385657.	400A-Local.
385614.	314-Mablar No. 5.	385658.	424-Tiri No. 2.
385615.	316-Bamla Sufaid.	385659.	429-Tiri No. 3.
385616.	316A-Bamla Sufaid.	385660.	1A.
385617.	318-Sathra.	385661.	3.
385618.	326-Mahlar.	385662.	4.
385619.	327-Kanhra (8).	385663.	5.
385620.	329-Saunfia or Mabla.	385664.	6.
385621.	330-Mahlar.	385665.	7.
385622.	331-Sathra Sufaid.	385666.	8.
385623.	333-Coarse.	385667.	9.
385624.	336-Dhan Desi.	385668.	11.
385625.	341-Bagar.	385669.	12.
385626.	344-Nawan Sathra Bagar.	385670.	13.
385627.	346-Mahlar.	385671.	15.
385628.	348-Sathra.	385672.	16.
385629.	349-Coarse White.	385673.	17.
385630.	351-Desi Common.	385674.	18.
385631.	353-Coarse White.	385675.	19.
385632.	357-Coarse.	385676.	19A.
385633.	362-Sathra.	385677.	20.
385634.	368-Stnay Coarse.	385678.	20A.
385635.	371-Jhona Sherbati.	385679.	21.
385636.	374-Mushkan.	385680.	22.
385637.	384-Desi.	385681.	23.
385638.	394-Ziri.	385682.	24.
385639.	411-Coarse variety.	385683.	24A.
385640.	423-Baggi.	385684.	24A/10.
385641.	426-Jhona/37.	385685.	26.
385642.	440-Baggi.	385686.	28.
385643.	441-Dhan Baggi.	385687.	29A/1.
385644.	44A-Jhona.	385688.	29A/2.
385645.	101-Jhona.	385689.	29B.
385646.	147-Bungus.	385690.	30.
385647.	198A-Dud Malai White.	385691.	30A.
385648.	205-Desi (Medium).	385692.	31.
385649.	207B-Ram Meina White fine small.	385693.	32.
385650.	207.-Santhi Sufaid.	385694.	32A.
385651.	213-Jhoni.	385695.	32B.
385652.	236-Tiri.	385696.	34.
385653.	252-Tiri Coarse White.	385697.	35.
385654.	263-Dhan.	385698.	36.
385655.	399-Local.	385699.	37.
385656.	400-Local.	385700.	38.

385398 to 385934—Continued

385701.	38A.	385715.	S.M. 12/34.
385702.	39.	385716.	S.M. 16/34.
385703.	40.	385717.	S.M. 17/34.
385704.	41.	385718.	S.M. 46/34.
385705.	42A.	385719.	80 Kharsu.
385706.	42B.	385750.	80A Kharsu.
385707.	43.	385751.	95 Kharsu.
385708.	44.	385752.	132 Kalana.
385709.	44A.	385753.	151 Kharsu.
385710.	45.	385754.	211 Chalaka Coarse.
385711.	46.	385755.	238 Dhan Munji.
385712.	52.	385756.	239 Dhan Red.
385713.	70.	385757.	247 Dhan.
385714.	71.	385758.	254 Dhanlu Red.
385715.	72A.	385759.	263 Dhan.
385716.	72B.	385760.	295A Kharsu Red.
385717.	73.	385761.	4 Mushkan.
385718.	74.	385762.	6 Mushkan.
385719.	75.	385763.	S-6 Mushkan.
385720.	76.	385764.	7 Mushkan.
385721.	78.	385765.	11 Fine Mushkan.
385722.	79.	385766.	S-15 Hansraj.
385723.	80.	385767.	24S Hansraj Mushkan.
385724.	81.	385768.	36 Mushkan I.
385725.	81A.	385769.	37 Mushkan.
385726.	81B.	385770.	39 Mushkan Barani.
385727.	82.	385771.	41 Mushkan Chahi.
385728.	83.	385772.	53 Ratura Mushkan.
385729.	84.	385773.	56 Mushkan.
385730.	85.	385774.	73S Mushkan.
385731.	86.	385775.	75 Magoi (sem).
385732.	88.	385776.	77 Mushkan type.
385733.	89.	385777.	87 Mushkan Chahi.
385734.	90.	385778.	89 Basmati Surkh 15.
385735.	92.	385779.	92 Ratti Mushkan.
385736.	92A.	385780.	93 Basmati.
385737.	93.	385781.	93B Basmati.
385738.	S.M. 2/34.	385782.	107 Basmati.
385739.	S.M. 3/34.	385783.	112 Basmati Surkh.
385740.	S.M. 5/34.	385784.	113 Basmati.
385741.	S.M. 5A/34.	385785.	120 Lal Basmati.
385742.	S.M. 6/34.	385786.	124 Basmati 10.
385743.	S.M. 8/34.	385787.	127 Mushkan.
385744.	S.M. 9/36.	385788.	128 Chambu.

385398 to 385934—Continued

385789.	144 Chahora.	385833.	68 Ratua Red Barani.
385790.	148 Chahora.	385834.	69 Ratua.
385791.	161 Basmati Surkh.	385835.	71 Ratua (Sem or Nehri).
385792.	168 Patti.	385836.	81 Ratua Red Chahi.
385793.	172 Sufaida.	385837.	157 Ratua.
385794.	179 Mushkan.	385838.	175 Ratua.
385795.	264 Jhona.	385839.	238 Dhan Munji.
385796.	285 Chahora.	385840.	244 Sankurcha.
385797.	292 Chahora.	385841.	315 Ratua.
385798.	313 Rodha.	385842.	320 Bamla Sufaid.
385799.	314 Malhar 5.	385843.	338 Sathra 4.
385800.	361.	385844.	338A Sathra 4.
385801.	381 Basmati Nahan.	385845.	339 Sathra Surkh.
385802.	382 Chahora.	385846.	339A Sathra Surkh.
385803.	390 Bara Pashawari.	385847.	342 Sathra Surkh.
385804.	393 Jhona.	385848.	385 Sonpattar.
385805.	405 Basmati.	385849.	394 Ziri.
385806.	406 Basmati.	385850.	15 Son.
385807.	436 Basmati.	385851.	16A Sond.
385808.	439 Basmati Narot.	385852.	26A Fine Red.
385809.	442 Basmati Pardar.	385853.	46A.
385810.	Pardar Mushkan.	385854.	67A.
385811.	2 Palman.	385855.	91S I.
385812.	8 Palman.	385856.	91S II.
385813.	10 Begemi.	385857.	116S Jhona.
385814.	46 Palman.	385858.	129 Jhona Red.
385815.	54 Hansraj.	385859.	141 Bijra.
385816.	127A Basmati (Medium).	385860.	146 Rohru.
385817.	138 Basmati.	385861.	159 Munji Sufaid.
385818.	188 Palman.	385862.	170 Coarse.
385819.	246 Sufaid.	385863.	185 Jhona Desi.
385820.	259.	385864.	198 Dudhmalai Red.
385821.	434 Ziri Palman.	385865.	275 Sathri.
385822.	502 Basmati.	385866.	300 Dhan.
385823.	Mutant 11/9.	385867.	328 Jawari Suakh.
385824.	Mutant 12/42.	385868.	343 Sathra.
385825.	Mutant 13/42.	385869.	345 Coarse White.
385826.	NC 1/536.	385870.	368 Coarse Red.
385827.	NC 1/536A.	385871.	209 Santhi.
385828.	30 Ratua.	385872.	217 Santhi.
385829.	31S Ratua.	385873.	243 Santhi.
385830.	35 Ratua Red Nehri.	385874.	256 Santhi.
385831.	38 Ratua 2.	385875.	261 Santhi.
385832.	38S Ratua 2.	385876.	266 Sathri Sufaid.

385398 to 385934—Continued

385877. 273 Sathra.	385906. 218 Coarse.
385878. 275A Sathari.	385907. 225 Coarse Brown.
385879. 275B Sathari.	385908. 229 Soin Pattar.
385880. 277 Saunfi Sarian.	385909. 230 Soin.
385881. 277A Saunfi Sarian.	385910. 233 Ram Jowain.
385882. 278 Sathra.	385911. 245 Ziri Jowain.
385883. 305 Sathra.	385912. 250 Tiri.
385884. 309 Sathra.	385913. 251 Tiri Surkh.
385885. 311 Sathra.	385914. 258 Tiri (Medium).
385886. 322 Jawari Sathri.	385915. 358 Lal.
385887. 322B Jawari Sathri.	385916. 364 Rati Munji.
385888. 323 Sathra.	385917. 395 Ziri.
385889. 325 Sathra.	385918. 421.
385890. 348 Sathra.	385919. C3-6.
385891. 350 Sarian Sathra (Gold).	385920. C3-6PI.
385892. 422 Mahla.	385921. C3-6PII.
385893. 2/38 I.	385922. C3-6PIIIA.
385894. 2/38 II.	385923. C3-6PIIIB.
385895. 3 Ratwa.	385924. C3-6P4.
385896. 14 Sonpattar.	385925. C3-6P5.
385897. 16 Son.	385926. C5-17.
385898. 45 Sonopattar.	385927. C7-3.
385899. 48 Begumi Fine.	385928. C7-3-1.
385900. 98 Nakanda or Ratta.	385929. C7-12-P2.
385901. 188 Parman.	385930. C7-12-P3.
385902. 139 Ratru.	385931. C7-12-P4.
385903. 162 Ratta.	385932. C7-12-P5.
385904. 181 Son.	385933. C7-12-P6.
385905. 216 Ram Jawin.	385934. C7-12-P8.

385935 to 385941. ARACHIS HYPOGAEA L. Leguminosae.

Peanut.

From Upper Volta. Seed presented by Director, Institut de Recherches pour les Huiles et Oleagineux, Niangolko. Received February 14, 1974.

385935. GH 327-A. High oil line.	385939. KH 149-D. High oil line.
385936. GH 1027-A. High oil line.	385940. KH 184-C. High oil line.
385937. GH 1027-B. High oil line.	385941. KH 327-C. High oil line.
385938. GH 1185-A. High oil line.	

385942 and 385943. GLYCINE MAX (L.) Merr. Leguminosae.

Soybean.

From Brazil. Seed presented by H. C. Minor, National Soybean Project United States Agency for International Development, Porto Alegre. Received February 11, 1974.

385942. 'Enrei.' Nagano Experiment Station, Japan.
385943. 'Missuzi.' Nagano Experiment Station, Japan.

385944 to 385981.

From Kenya. Seed presented by Kirchoffs East Africa Limited, Nairobi through S. W. Braverman, Division of Plant Quarantine Services, East African Agriculture and Forestry Research Organization, Nairobi. Received March 1, 1974.

- 385944 and 385945.** ALLIUM AMPELOPRASUM L. Liliaceae. **Leek.**
385944. 'Italian Giant'. Medium long, thick roots. Stems pure white. Fast growing.
385945. 'Musselburg Giant'. Very thick roots with abundant leaf formation.
- 385946 to 385949.** ALLIUM CEPA L. **Onion.**
385946. 'Bombay Red'. Good variety for home gardens.
385947. 'Silver King'. Very large type with white skins, mild.
385948. 'Silver Skin'. Bulbs uniformly round without necks, mild flavor. Pickling onion, good cocktail type.
385949. 'White Creole'. Bulbs flat, small to medium. Very pungent flavor. Selected for higher solid contents. Good keeper under proper storage conditions.
- 385950.** APIUM GRAVEOLENS L. Umbelliferae. **Celery.**
 'Golden Self Blanching'. Thick succulent stalks, very early.
- 385951 to 385956.** BRASSICA OLÉRACEA var. BOTRYTIS L. Cruciferae. **Cauliflower.**
385951. 'Early Italian Giant'. Large, pure white, solid, compact, robust heads. Heads well protected by foliage.
385952. 'Extra Early Six Weeks'. Small, round heads. Heads ready six weeks from time of transplanting.
385953. 'Patna Early'. Adapted to low altitude and hot to warm regions.
385954. 'Phenomenal Early'. Originally from Australia. Especially suited for high altitudes.
385955. 'Snow Giant'. White, firm heads of great solidity and attractive color.
385956. 'Southern Cross'. Late maturity.
- 385957.** BRASSICA OLÉRACEA var. GEMMIFERA DC. **Brussels sprouts.**
 'Covent Garden'.
- 385958 and 385959.** BRASSICA OLÉRACEA var. VIRIDIS L. **Kale.**
385958. 'Chou Moellier'. Dark green leaves with good flavor and little fiber.
385959. 'Sukuma Wiki'. Available all over Kenya to eliminate malnutrition. If lower leaves are cut regularly, will produce for months.
- 385960 and 385961.** CAPSICUM ANNUUM L. Solanaceae. **Pimento.**
385960. 'Jet-Set'. Very thick wall, intense green color, excellent keeper.
385961. 'Sweet Neapolitan'. Very large, thick, meaty fruits. Ripens to a beautiful bright red.
- 385962.** CAPSICUM sp.
 'Mombasa'. Hot pepper. Also called 'Long Mombasa'.
- 385963 and 385964.** CITRULLUS LANATUS (Thunb.) Mansf. Cucurbitaceae. **Watermelon.**
385963. 'Chilean Black'. Fruits oval, high quality, red flesh. Delicious flavor.
385964. 'Congo'. Flesh firm, fine grained. Fruits oblong, blocky, dark green with faintly striped lighter green. Rough rind. Resistant to anthracnose.

385944 to 385981—Continued**385965 and 385966.** CUCUMIS MELO var. RETICULATUS Naud.

Cucurbitaceae.

385965. 'Charentias'. Excellent color, sturdy rind. A delicious French variety.**385966.** 'Ein Dor'. F₁ hybrid. Matures 100 days from seeding to beginning of harvest. Resistant to powdery mildew.**385967 and 385968.** CUCUMIS SATIVUS L.

Cucumber.

385967. 'Cool and Crisp'. Uniform dark green fruits, tapering toward the end.**385968.** 'London Long Green'. White flesh, excellent taste.**385969 and 385970.** CUCURBITA MAXIMA Duchesne Cucurbitaceae.

Squash.

385969. 'Ambassador F₁ hybrid'. Intense dark green fruit, almost black. Nonrunning, excellent keeping quality.**385970.** 'Dark Green Milan'. High yielder. Also called 'Courgette'.**385971 and 385972.** LACTUCA SATIVA L. Compositae.

Lettuce.

385971. 'All The Year Round'. Butterhead, round headed variety, soft heads.**385972.** 'St. Anne'. Butterhead. Dark green leaves of an oil-like texture. Heat tolerant.**385973.** LYCOPERSICON ESCULENTUM Mill. Solanaceae.

Tomato.

'Primabel'. Dwarf, no staking required. A recent French introduction.

385974 to 385979. PHASEOLUS VULGARIS L. Leguminosae.

Common bean.

385974. 'Borlotti'. Beans large, round. Attractive red-flamed appearance. Tasty, high sugar content.**385975.** 'Long Tom'. Grows up to 30 cm. Pods thick, fleshy, stringless, good flavor. Green bean.**385976.** 'Masterpiece'. Pods rich green, meaty, thick, broad. Also called 'Victory'. Green bean.**385977.** 'Mexican 142'. Field or dry shell bean.**385978.** 'Primeur'. Green bean.**385979.** 'Saca'. Vigorous plant, attractive green pod color. Tasty pod, ideal for cooking and processing.**385980 and 385981.** PISUM SATIVUM L. Leguminosae.

Pea.

385980. 'Meteor'. Peas medium size, very sweet, dark green.**385981.** 'Onward'.**385982.** PRUNUS SEROTINA Ehrh. Rosaceae.

Wild black cherry.

From Ecuador. Seed presented by Rural Development Division, Agency for International Development, American Embassy, Quito. Received April 1, 1974.

'Capulin'. Fruits dark purplish maroon, firm in texture, greenish-brown juicy flesh resembling the 'Bigarreau' cherry in flavor.

385983 to 385991. SACCHARUM (hybrid) Gramineae.

Sugarcane.

From India. Cuttings presented by Director, Sugarcane Breeding Institute, Coimbatore. Received March 19, 1974.

385983. 'Co.419'.**385984.** 'Co.462'.

385983 to 385991—Continued

385985. 'Co.658'.	385989. 'Co.6502'.
385986. 'Co.684'.	385990. 'Co.K.30'.
385987. 'Co.744'.	385991. 'Co.S.27'.
385988. 'Co.1158'.	

385992 to 385994. PHLEUM PRATENSE L. Gramineae.**Timothy.**

From Poland. Seed presented by Stacja Hodowli Roslin, Hodowia Buraka Cukrowego Gostyn, Poznan Province. Received February 14, 1974.

385992. 'Foka/Szelejewska'.
385993. 'Kor/Grebalowska'.
385994. 'Para/Wieclauricka'.

385995 to 385999. SACCHARUM (hybrid) Gramineae.**Sugarcane.**

From Dominican Republic. Cuttings presented by Director, Gulf and Western Americas Corporation, Division Central Romana, La Romana. Received March 21, 1974.

385995. 'CB 44-105'.	385998. 'HO 5741'.
385996. 'CR 6101'.	385999. 'UCU 5465'.
385997. 'CR 67400'.	

386000 to 386005. × TRITICOSECALE Wittm. Gramineae.**Triticale.**

From Union of Soviet Socialist Republics. Seed presented by N. I. Vavilov All-Union Institute of Plant Industry, Leningrad. Received February 14, 1974.

386000. 1 AD 545. Moscow region. 2n=42. Winter.
386001. 2 AD 325. Moscow region. 2n=42. Winter
386002. 25 AD 20/1-60. Moscow region. 2n=56. Spring.
386003. 31 AD 72. Moscow region. 2n=56. Winter.
386004. 45 AD 137. Moscow region. 2n=42. Spring.
386005. AD 236. Moscow region. 2n=56. Winter.

386006 and 386007. PYRUS COMMUNIS L. Rosaceae. Pear.

From England. Budwood presented by Long Ashton Research Station, University of Bristol, Bristol. Received February 19, 1974.

386006. 'Jules D'Airolles'.
386007. 'L.A.-62'.

386008. SOLANUM MELONGENA L. Solanaceae. Eggplant.

From Japan. Seed presented by K. Yamakawa, Vegetable Crops Research Station, Ishinden-Ogose, Tsu-City. Received February 19, 1974.

'Okitsu No. 1'. Bacterial wilt resistant line developed from 'Taiwan-naga' (resistant parent) × 'Nakate Shinkuro' cross.

386009. HORDEUM VULGARE L. Gramineae. Barley.

From Japan. Seed presented by Shunji Nonaka, Minamikawachi Division, Tochigi Agricultural Experiment Station, Tōchigi-ken. Received March 1, 1974.

'Mitake'. Winter.

386010 and 386011.

From United States. Seed held by National Plant Materials Center, Soil Conservation Service, Beltsville, Maryland. Received March 25, 1974.

386010. *ACHILLEA PTARMICA* L. Compositae.

BN-22652-72. Commercial seed from W. Atlee Burpee Seed Company, Philadelphia, Pennsylvania.

386011. *VERNONIA MISSURICA* Raf. Compositae.

BN-22647-73. Isolated from commercial sample of *Monardia fistulosa* received originally from C. Dupree, National Aeronautics Space Administration, Greenbelt, Maryland.

386012. ZEA PERENNIS (Hitchc.) Reeves & Mangelsd.
Gramineae.

From United States. Plants reproduced at United States National Arboretum, Agricultural Research Service, Washington, D. C. Received February 14, 1974.

NA 35831. Collected originally in 1921 at Ciudad Guzman, Zapotlan, Jalisco, Mexico by H. H. Iltis, Botany Department, University of Wisconsin, Madison, Wisconsin.

386013 to 386095.

From Iran. Seed collected by V. E. Wilson, Department of Agronomy, Washington State University, Pullman, Washington. Received January 31, 1974.

386013 to 386026. *CITRULLUS COLOCYNTHIS* (L.) Schrad. Cucurbitaceae.

Colocynth.

386013. 1.	386020. 8.
386014. 2.	386021. 9.
386015. 3.	386022. 10.
386016. 4.	386023. 11.
386017. 5.	386024. 12.
386018. 6.	386025. 13.
386019. 7.	386026. 14.

386027 to 386095. *CUCUMIS ANGURIA* L. Cucurbitaceae.

West Indian gherkin.

386027. 1.	386042. 16.
386028. 2.	386043. 17.
386029. 3.	386044. 18.
386030. 4.	386045. 19.
386031. 5.	386046. 20.
386032. 6.	386047. 21.
386033. 7.	386048. 22.
386034. 8.	386049. 23.
386035. 9.	386050. 24.
386036. 10.	386051. 25.
386037. 11.	386052. 26.
386038. 12.	386053. 27.
386039. 13.	386054. 28.
386040. 14.	386055. 29.
386041. 15.	386056. 30.

386013 to 386095—Continued**386027 to 386095—Continued**

386057.	31.	386077.	51.
386058.	32.	386078.	52.
386059.	33.	386079.	53.
386060.	34.	386080.	54.
386061.	35.	386081.	55.
386062.	36.	386082.	56.
386063.	37.	386083.	57.
386064.	38.	386084.	58.
386065.	39.	386085.	59.
386066.	40.	386086.	60.
386067.	41.	386087.	61.
386068.	42.	386088.	62.
386069.	43.	386089.	63.
386070.	44.	386090.	64.
386071.	45.	386091.	65.
386072.	46.	386092.	66.
386073.	47.	386093.	67.
386074.	48.	386094.	68. Khuzestan. Bulk sample.
386075.	49.	386095.	69. Khuzestan. Bulk sample.
386076.	50.		

386096. HELIANTHUS ANNUUS L. Compositae. Sunflower.

From Israel. Seed presented by Z. B. Amotz, Kibbutz Hatzor Ashdod, through Plant Introduction Service, Agricultural Research Organization, Bet Dagan. Received March 12, 1974.

'Hatzor Ayala'.

386097. PAPAVER BRACTEATUM Lindl. Papaveraceae.**Great scarlet poppy.**

From Israel. Seed collected by Quentin Jones, Staff Scientist, National Program Staff, Agricultural Research Service, Agricultural Research Center, Beltsville, Maryland. Received April 16, 1974.

Composite sample originally from Alborz Mountains in Iran. Increased at the Volcani Center, Agricultural Research Organization. Bet Dagan, Israel.

386098 to 386012.

From Poland. Seed presented by W. Swiecicki, Plant Breeder, Poznanska Hodowla Roslin, Poznan. Received January 30, 1974.

386098 and 386099. LUPINUS ALBUS L. Leguminosae. White lupine.

386098. 'Kali'. Poland.

386099. 'Pflugs Ultra'. Germany.

386100. LUPINUS ANGUSTIFOLIUS L.**Bitter blue lupine.**

'Obornicki'. Poland.

386101 to 386106. LUPINUS LUTEUS L.**European yellow lupine.**

386101. 'Bas'. Poland. White seed.

386102. 'Popularny'. Poland.

386103. 'Portugalia'. Portugal.

386098 to 386012—Continued**386101 to 386106—Continued**

386101. 'Stamm 1/56'. Germany. White seed.
 386105. 'Yorlupine'. Netherlands.
 386106. 'Zlotorja'. Poland. Bitter type.
 386107. ORNITHOPUS COMPRESSUS L. Leguminosae.
 386108 to 386112. ORNITHOPUS SATIVUS Brot.
 386108. 'Bydgoska'. Poland.
 386109. 'Mazurska Biala'. Poland.
 386110. 'Olimpia'. Poland.
 386111. 'Warta'. Poland.
 386112. 'Wilnjus'. Soviet Union.

386113 to 386157. × TRITICOSECALE Wittm. Gramineae.**Triticale.**

From Union of Soviet Socialist Republics. Seed presented by N. I. Vavilov Institute of Plant Industry, Leningrad. Received March 22, 1974.

386113. VIR 48334. AD 1. (Professor Sulyndina). The Ukraine. 2n=56. Winter.
 386114. VIR 43635. AD 34. Moscow Region. 2n=56. Winter.
 386115. VIR 47003. AD 61-13-AM. Armenia. 2n=56. Winter.
 386116. VIR 45873. AD 72. Moscow Region. 2n=56. Winter.
 386117. VIR 45872. AD 114. Moscow Region. 2n=56. Winter.
 386118. VIR 48335. AD 196. (Professor Sulyndina). The Ukraine. 2n=56. Winter.
 386119. VIR 46052. AD 236. Moscow Region. 2n=56. Winter.
 386120. VIR 45876. AD 240a. (Derzavina). Stavropol Territory. 2n=42. Winter.
 386121. VIR 45925. AD 349. Moscow Region. 2n=56. Winter.
 386122. VIR 45776. AD 762-7. The Ukraine. 2n=42. Winter.
 386123. VIR 45778. AD 767-16. The Ukraine. 2n=42. Winter.
 386124. VIR 45775. AD 2083-2. The Ukraine. 2n=42. Winter.
 386125. VIR 46062. AD 2384. Moscow Region. 2n=42. Winter.
 386126. VIR 46063. AD 2468. Moscow Region. 2n=42. Winter.
 386127. VIR 45913. AD K2. The Ukraine. 2n=42. Winter.
 386128. VIR 45915. AD P-6/9. The Ukraine. 2n=42. Winter.
 386129. VIR 43644. AD Sorokinoj. Leningrad Region. 2n=42. Winter.
 386130. VIR 45875. 3L 34-AD. Moscow Region. 2n=56. Winter.
 386131. VIR 43636. 10 M AD 120. Moscow Region. 2n=56. Winter.
 386132. VIR 43637. 25 AD 20. Moscow Region. 2n=56. Winter.
 386133. VIR 43731. 25 AD 20/I-60. Moscow Region. 2n=56. Spring.
 386134. VIR 45874. L AD 130. Moscow Region. 2n=56. Winter.
 386135. VIR 46048. L AD 329. Moscow Region. 2n=56. Winter.
 386136. VIR 46054. M AD 137. Moscow Region. 2n=42. Spring.
 386137. VIR 46058. M AD 325. Moscow Region. 2n=42. Winter.
 386138. VIR 46049. M AD 333. Moscow Region. 2n=56. Winter.
 386139. VIR 46050. M AD 335. (Pisarev). Moscow Region. 2n=56. Winter.

386113 to 386157—Continued

386110. VIR 45777. M AD 341. Moscow Region. $2n=56$. Winter.
 386111. VIR 46059. M AD 430. Moscow Region. $2n=42$. Winter.
 386112. VIR 47014. M AD 435. Moscow Region. $2n=42$. Winter.
 386113. VIR 46341. Amphydiploid O. Sweden. $2n=56$. Winter.
 386114. VIR 48336. Amphydiploid 206. (Professor Sulyndina). The Ukraine. $2n=42$. Winter.
 386115. VIR 48086. Amphydiploid Lysaka-2. ADL-2. The Ukraine. Winter.
 386116. VIR 48087. Amphydiploid Lysaka-3. ADL-3. The Ukraine. Winter.
 386117. VIR 45779. Spontannyj hybrid Dorofeeva. Azerbaijan. $2n=42$.
 386118. VIR 46087. Spontannyj Kanova 1185. Leningrad Region. $2n=42$. Winter.
 386119. VIR 46088. Spontannyj a-d Kanova 1186. Leningrad Region. $2n=42$. Winter.
 386150. VIR 47008. okto Derzavina. Stavropol Territory. $2n=56$. Winter.
 386151. VIR 43640. C x st 56/212. Sweden. $2n=56$. Winter.
 386152. VIR 41707. LV-1. The Ukraine. $2n=56$. Winter.
 386153. VIR 43632. Sadyhova. Azerbaijan. $2n=42$. Winter.
 386154. VIR 46082. STNIISM-1. Stavropol Territory. $2n=56$. Winter.
 386155. VIR 46084. STNIISM-2. Stavropol Territory. $2n=56$. Winter.
 386156. VIR 46083. STNIISM-3. Stavropol Territory. $2n=42$. Winter.
 386157. VIR 43633. V-02. The Ukraine. $2n=56$. Winter.

386158 and 386159.

From United Arab Republic. Seed presented by Orman Botanic Garden, Ministry of Agriculture, Giza. Received March 25, 1974.

386158. ASPARAGUS DENSIFLORUS (Kunth) Jessop Liliaceae.
 386159. ASPARAGUS STIPULARIS Forsk.

386160 and 386161. DAUCUS CAROTA L. Umbelliferae.**Carrot.**

From Sweden. Seed presented by Weibullsholm Plant Breeding Institute, Landskrona. Received April 2, 1974.

386160. 'Brilliant'. Small 'Nantes' type. Medium to long cylindrical roots, good flesh and core color.
 386161. 'Regol'. Belongs to 'Regulus Flakker' group. Long conical roots, good flesh and core color. 'Regulus' developed many years ago from 'Gigantia'.

386162 to 386167. TRITICUM AESTIVUM L. Gramineae.**Common wheat.**

From Australia. Seed presented by K. J. Symes, Curator, Australian Wheat Collection, Tamworth, New South Wales. Received April 8, 1974.

386162. AUS 16035. 'Kitale'. 386165. AUS 16169. 'Zenith'.
 386163. AUS 16036. 'Condor'. 386166. AUS 16170. 'Madden'.
 386164. AUS 16037. 'Egret'. 386167. AUS 16461. 'Oxley'.

386168. PHLEUM PRATENSE L. Gramineae. Timothy.

From Denmark. Seed presented by A/S Trifolium Fro, Taastrupgaard, Taastrup. Received April 9, 1974.

- 'Taca Trif S65'.

386169 to 386171. AVENA SATIVA L. Gramineae.**Common oat.**

From Sweden. Seed presented by Gosta Olsson, Swedish Seed Association, Svalov. Received April 1, 1974.

386169. 'Kalott'.

386170. 'Risto'.

386171. 'Sang'.

386172 to 386174. CARTHAMUS TINCTORIUS L. Compositae.**Safflower.**

From Syria. Seed presented by Sobhi Dozom, The General Administration for the Development of Euphrates Basin, Agricultural Sector, Ragga. Received March 18, 1974.

386172. 'Hama I'.

386173. 'Hama II'.

386174. 'Hama III'.

386175 to 386183. SACCHARUM (hybrid) Gramineae.**Sugarcane.**

From India. Cuttings presented by Director, Sugarcane Breeding Institute, Coimbatore. Received April 23, 1974.

386175. 'I.A. 3904'.

386179. 'I.A. 3976'.

386176. 'I.A. 3958'.

386180. 'I.A. 3986'.

386177. 'I.A. 3969'.

386181. 'I.A. 4003'.

386178. 'I.A. 3970'.

386182. 'I.A. 4016'.

386183. 'I.A. 4046'.

386184 to 386194.

From Tunisia. Seed presented by Henry Tschinkel, Watershed Management Officer, Food and Agriculture Organization-United Nations, Ariana. Received March 11, 1974.

386184. *AMPELODESM MAURITANICA* (Poir.) Dur & Schinz Gramineae.
Teskrayat. 1972.

386185. *ATRIPLEX GLAUCA* L. Chenopodiaceae.
Souassi. 1970.

386186. *CERATONIA SILIQUA* L. Leguminosae. Carob.
Tabaxka. 1971.

386187. *HEDYSARUM CORONARIUM* L. Leguminosae. Sulla.
Barrage El-Kebir. June 1973.

386188. *HEDYSARUM PALLIDUM* Desf. Sweetvetch.
Ousseltia. June 30, 1973.

386189. *HEDYSARUM SPINOSISSIMUM* var. *CAPITATUM* (Desf.) Beck Sweetvetch.
Rohia. May 28, 1973.

386190. *HERTIA CHEIRIFOLIA* Kuntz. Compositae.
Ousseltia. Spring 1973.

386191. *LYCIUM ARABICUM* Schweinf. ex Boiss. Solanaceae.
El-Djera. 1970.

386184 to 386194—Continued

386192. LYCIUM EUROPAEUM L. European matrimony-vine.
Tunis. July 1973.

386193. PUTORIA CALABRICA (L.) Pers. Rubiaceae.
Maktar. July 1973.

386194. ROSMARINUS OFFICINALIS L. Labiatae. Rosemary.
Oum Djeddour. June 1973.

386195. LUPINUS ANGUSTIFOLIUS L. Leguminosae.**Bitter blue lupine.**

From Spain. Seed collected June, 1973 by Ian Forbes, Jr., Coastal Plains Experiment Station, Tifton, Georgia, and J. S. Gladstones, Department of Agriculture, Perth, Australia. Received March 26, 1974.

SS-134. Madrid Highway on N 420 to Ciudad Real, 92 km from Cordoba. Elevation 770 m. Herbaceous annual with rather flattened seeds. Roadside at edge of olive grove. Brown silty, loamy sand. Wild.

386196 to 386203.

From Japan. Plant material presented by Nikko Branch Garden, Botanical Gardens of Tokyo University, Tochigi Prefecture. Code numbers refer to the 1974 Seed Exchange List. Received April 2, 1974.

386196. AQUILEGIA BUERGERIANA Sieb. & Zucc. Ranunculaceae. Columbine.
16. Seed.

386197. AQUILEGIA FLABELLATA Sieb. & Zucc. Columbine.
17. Seed.

386198. HAMAMELIS sp. Hamamelidaceae.
53. Seed.

386199. HEMEROCALLIS EXALTATA Stout Liliaceae.
55. Plant.

386200. HEMEROCALLIS YEZOENSIS Hara
56. Seed.

386201. ILEX GENICULTATA Maxum. Aquifoliaceae.
58. Seed.

386202. PRIMULA JAPONICA A. Gray Primulaceae. Japanese primrose.
88. Seed.

386203. STEWARTIA PSEUDO-CAMELLIA Maxim. Theaceae. Japanese stewartia.
110. Seed.

386204 to 386209. BETA VULGARIS L. Chenopodiaceae.**Sugarbeet.**

From Union of Soviet Socialist Republics. Seed presented by N. I. Vavilov Institute of Plant Industry, Leningrad. Received April 1, 1974.

386204 to 386209—Continued

- 386204.** 'VNIS F-505'. All-Union Research Institute for Sugarbeet Industry, Kiev. Progeny from single plant. Resistant to storage rot. 1971 crop.
- 386205.** 'VNIS F-510'. All-Union Research Institute for Sugarbeet Industry, Kiev. Progeny from single plant. Resistant to storage rot. 1971 crop.
- 386206.** 'VNIS F-526'. All-Union Research Institute for Sugarbeet Industry, Kiev. Progeny from single plant. Resistant to storage rot. 1971 crop.
- 386207.** 'VNIS F-738'. All-Union Research Institute for Sugarbeet Industry, Kiev. Progeny from single plant. Resistant to storage rot. 1973 crop.
- 386208.** 'N 2376'. Verkhnyachk Breeding Station. Resistant to mildew (*Erysiphe*) and medium resistance to trench rot. 1972 crop.
- 386209.** 'N 7776'. All-Union Research Institute for Sugarbeet Industry, North Caucasian Branch. Product of individual selection for resistance to *Cercospora*. 1970 crop.

386210 to 386225.

From Korea. Seed collected 1973 by Forestry Experiment Station, Seoul and presented through Homiki Uyeki, Agricultural College, Ehime University, Matsuyama, Ehime Ken, Japan. Received March 21, 1974.

- 386210.** ABIES HOLOPHYLLIA Maxim. Pinaceae. Needle fir.
- 386211.** ABIES NEPHROLEPIS (Trautv.) Maxim. Fir.
- 386212.** FORSYTHIA × INTERMEDIA Zabel Oleaceae. Border forsythia. 'Densiflora'.
- 386213.** FORSYTHIA JAPONICA var. SAXATILIS Nakai
- 386214.** FORSYTHIA OVATA Nakai
- 386215.** GLEDITSIA JAPONICA Miq. Leguminosae. Honeylocust.
- 386216.** PINUS BUNGEANA Zucc. ex Endl. Pinaceae. Lacebark pine.
- 386217.** SYRINGA OBLATA var. DILATATA (Nakai) Rehd. Oleaceae. Korean early lilac.
- 386218 and 386219.** SYRINGA RETICULATA (BL.) Hara Lilac.
- 386218.** Sample No. 1.
- 386219.** Sample No. 2.
- 386220 and 386221.** SYRINGA VELUTINA Komarov Lilac.
- 386220.** Sample No. 1.
- 386221.** Sample No. 2.
- 386222.** SYRINGA WOLFII C. Schneid. Wolfs lilac.
- 386223.** TILIA KIUSIANA Makino & Shiras. ex. Shiras. Tiliaceae.
- 386224.** TILIA MEGAPHYLLA Nakai
- 386225.** TILIA MIQUELIANA Maxim.

386226 and 386227. ALLIUM FARCTUM Wendelbo Liliaceae.

From Pakistan. Bulbs presented by Y. Nasir, Stewart Herbarium, Gordon College, Rawalpindi. Received April 24, 1974.

- 386226.** Hassan Abdal. Among limestone rocks on Pirs Mountain. Elevation 610 m. Local name Jangli piaz.
- 386227.** Wah, Campbellpur District. Among limestone rocks on hill at 610 m elevation. Local name Jangli piaz.

386228 to 386239. HELIANTHUS ANNUUS L. Compositae.**Sunflower.**

From Union of Soviet Socialist Republics. Seed presented by N. I. Vavilov Institute of Plant Industry, Leningrad. Received April 18, 1974.

386228 to 386239—Continued

386228. VIR 282. Primorskaja Province.
 386229. VIR 816. 'Voronezskij Karlik'. Voronez region.
 386230. VIR 847. Kazakhstan.
 386231. VIR 1642. Lithuania.
 386232. VIR 1687. 'Saratovskij Karlik'. Saratov region.
 386233. VIR 1863. 'Severnyj'. Leningrad region.
 386234. VIR 1885. 'Korotkostebel'nyj'. Germany.
 386235. VIR 1899. Local. Georgia.
 386236. VIR 1903. 'B-21-51'. Altai.
 386237. VIR 2021. 'Kolyvanskij'. Novosibirsk region.
 386238. VIR 2097. 'Chernianka 66'. The Ukraine.
 386239. VIR 2160. 'Karlik 68'. The Ukraine.

386240 to 386243. LYCOPERSICON ESCULENTUM Mill.

Solanaceae.

Tomato.

From Argentina. Seed presented by Marta Vigliola, Facultad de Agronomica y Veterinaria, Universidad de Buenos Aires, Buenos Aires. Received April 1, 1974.

386240. 'Platense J. J. Gomez'.
 386241. 'Roma Sel. La Consulta'.
 386242. 'Ronita La Consulta'.
 386243. 'Rossol Sel. La Consulta'.

386244. IMPATIENS sp. Balsaminaceae.

From United States. Cuttings presented by Dr. Robert Read, Smithsonian Institution, Washington, D. C. Received December 5, 1972.

B-60768. Originally from Ceylon. Leaves alternate, large, succulent, ovate to ovate-oblong with two glands on petiole at base of blade, blade often reflexed at base. Stems fleshy, brownish green, uniform in diameter. Flowers large, white with red eye zone. Spur slightly inflated.

386245. SANICULA EUROPAEA L. Umbelliferae.

From France. Seed presented by Jardin Botanique de L'Universite Louis Pasteur, Strasbourg Cedex. Received April 16, 1974.

386246. ASPARAGUS OFFICINALIS L. Liliaceae.**Garden asparagus.**

From Netherlands. Seed presented by Nunhem's Zaden, Haelen. Received April 10, 1974.

'Limburgia' (F₁ hybrid).

386247 and 386248. LYCOPERSICON ESCULENTUM MILL.

Solanaceae.

Tomato.

From India. Seed presented by the Division of Plant Introduction, Indian Agricultural Research Institute, New Delhi. Received May 6, 1974.

386247. E. C. 21193 ('Hotset' U.S.).
 386248. S1.-120.

386249 and 386250.

From France. Seed presented by The Director, Station Nationale d'Essais de Semences, Service Botanique, Versailles. Code numbers refer to 1973-1974 Index Seminum. Received April 26, 1974.

386249 and 386250—Continued

- 386249.** *DESCHAMPSIA CAESPITOSA* (L.) Beauv. Gramineae
 228/166. **Tufted hairgrass.**
- 386250.** *DESCHAMPSIA FLEXUOSA* (L.) Trin.
 228/168. **Crinkled hairgrass.**

386251 to 386275. *SOLANUM MELONGENA* L. Solanaceae.
Eggplant.

From India. Seed presented by B. Choudhary, Division of Vegetables and Floriculture, Indian Agricultural Research Institute, New Delhi. Received April 15, 1974.

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| 386251. S 205. | 386264. S 486. |
| 386252. S 247-2. | 386265. S 490. |
| 386253. S 250-2. | 386266. S 491. |
| 386254. S 252-1-1-16. | 386267. S 493. |
| 386255. S 341-1-14. | 386268. S 494. |
| 386256. S 373-1. | 386269. S 501. |
| 386257. S 416. | 386270. S 506. |
| 386258. S 445. | 386271. S 521. |
| 386259. S 449. | 386272. S 536. |
| 386260. S 452. | 386273. S 541. |
| 386261. S 456. | 386274. S 545. |
| 386262. S 477. | 386275. S 546. |
| 386263. S 478. | |

386276 to 386282.

From United States. Seed presented by A. E. Kretschmer, Jr., University of Florida, Agricultural Research Center, Fort Pierce. Received February 12, 1973.

- 386276.** *CENTROSEMA BRASILIANUM* (L.) Benth. Leguminosae.
 IRFL 975. Para, Brazil.
- 386277.** *CENTROSEMA PLUMIERI* (Turp.) Benth.
 IRFL 1182. La Pacifica, Costa Rica.
- 386278.** *CENTROSEMA PUBESCENS* Benth.
 IRFL 1158. La Vieja (San Carlos), Costa Rica.
- 386279 and 386280.** *CENTROSEMA VIRGINIANUM* (L.) Benth.
Piedmont butterfly-pea.
- 386279.** IRFL 980. Sao Paulo, Brazil.
- 386280.** IRFL 1483. Brooks County, Texas.
- 386281.** *CENTROSEMA* sp.
 IRFL 1429. C.P.I. 40065. Australia via Latin America.
- 386282.** *CENTROSEMA* sp.
 IRFL 1434. C.P.I. 51366. Australia.

386283. *ARUNDINELLA* sp. Gramineae.

From India. Seed presented by Division of Plant Introduction, Indian Agricultural Research Institute, New Delhi. Received April 19, 1974.

Dehra Dun, Uttar Pradesh.

386284. *GOSSYPIUM HIRSUTUM* L. Malvaceae. **Upland cotton.**

From India. Seed presented by Division of Plant Introduction, Indian Agricultural Research Institute, New Delhi. Received April 15, 1974.

'Gujrat 64'. Surat.

386285 to 386287. MEDICAGO SATIVA L. Leguminosae.**Alfalfa.**

From Oman. Seed presented by Bruce Kratka, American Peace Crops, Washington, D.C. Received April 23, 1974.

386285. Niswa. Ten-year stand. Elevation 330 m.

386286. Samail. Elevation 260 m.

386287. Sur. Good drought resistance. Elevation 35 m.

386288 to 386291.

From Germany. Seed presented by Botanical Institute, Dusseldorf University, Dusseldorf. Code numbers refer to 1974 Index Seminum. Received April 1, 1974.

386288. VERBASCUM BLATTARIA L. Scrophulariaceae.
205.

386289. VERBASCUM LYCHNITIS L.
206.

386290. VERBASCUM NIGRUM Pall. ex Bieb.
207.

386291. VERBASCUM THAPSUS L.
208.

386292 and 386293. ARACHIS HYPOGAEA L. Leguminosae.**Peanut.**

From India. Seed presented by Division of Plant Introduction, Indian Agricultural Research Institute, New Delhi. Received April 19, 1974.

386292. 'AH-1192'. Groundnut Research Station, Mainpur, Uttar Pradesh.

386293. 'T-64'. Groundnut Research Station, Mainpur, Uttar Pradesh.

386294 to 386314. ARACHIS HYPOGAEA L. Leguminosae.**Peanut.**

From Israel. Seed presented by A. Ashri, Faculty of Agriculture, Rehovot. Received April 5, 1974.

386294. 5341-1. **386305.** 5559-1.

386295. 5393-3. **386306.** 5563-1.

386296. 5429-1. **386307.** 5564-4.

386297. 5493-1. **386308.** 5566-3.

386298. 5501-2. **386309.** 5577-1.

386299. 5507-2. **386310.** 5613-1.

386300. 5520-1. **386311.** 5619-2.

386301. 5533-1. **386312.** 5634-1.

386302. 5536-3. **386313.** 5646-1.

386303. 5545-2. **386314.** 5651-4.

386304. 5553-2.

386315. SORGHUM VERSICOLOR Anderss. Gramineae.

From Rhodesia. Seed presented by G. L. James, Officer-in-Charge, Rhodesia Sugar Association, Chiredzi. Received May 3, 1974.

Southeastern Lowveld. Elevation 410 m. Side of main road on buffalo range.

386316 to 386324. HELIANTHUS ANNUUS L. Compositae.**Sunflower.**

From Union of Soviet Socialist Republics. Seed presented by N. I. Vavilov Institute of Plant Industry, Leningrad. Received May 6, 1974.

386316 to 386324—Continued

386316. 'Argentina K-2046' x ('Cernianka 66' x 'Majak').
 386317. 'Armavirec'. Armavir Region.
 386318. 'Armavirskij 1813'. Armavir Region.
 386319. 'M-24'. Krasnodar Territory.
 386320. VIR 2318. 'L-2600'. The Ukraine.
 386321. VIR 2319. 'L-2610'. The Ukraine.
 386322. VIR 2320. 'L-2621'. The Ukraine.
 386323. VIR 2321. 'L-2625'. The Ukraine.
 386324. 'VNIIMK 8931' x 'MS-268'.

386325. PHELEUM PRATENSE L. Gramineae. Timothy.
 From Netherlands. Seed presented by A. C. Buys, Head, Department of Forage Crops, Wageningen. Received May 2, 1974.
 'Eskimo'.

386326. SACCHARUM (hybrid) Gramineae. Sugarcane.
 From Madagascar. Cuttings presented by Centre de Recherches Agronomiques, Tananarive. Received May 20, 1974.
 'D.13.34'.

386327 to 386329. HELIANTHUS ANNUUS L. Compositae. Sunflower.
 From Union of Soviet Socialist Republics. Seed presented by N. I. Vavilov Institute of Plant Industry, Leningrad. Received April 18, 1974.

386327. VIR 2051. 'Peredovic-74'.
 386328. VIR 2195. 'Volgar-74'.
 386329. VIR 2231. 'Salyut-74'.

386330 to 386344. GOSSYPIUM HIRSUTUM L. Malvaceae. Upland cotton.
 From Ivory Coast. Seed presented by J. Schwendiman, Institut de Recherches du Coton, Station Principale, Bouake. *Gossypium hirsutum* x *G. barbadense* hybrids. Received May 8, 1974.

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| 386330. 'HB 2'. | 386338. 'HB 13'. |
| 386331. 'HB 3'. | 386339. 'HB 15'. |
| 386332. 'HB 4'. | 386340. 'HB 21'. |
| 386333. 'HB 5'. | 386341. 'HB 22'. |
| 386334. 'HB 6'. | 386342. 'HB 23'. |
| 386335. 'HB 7'. | 386343. 'HB 24'. |
| 386336. 'HB 8'. | 386344. 'HB 25'. |
| 386337. 'HB 9'. | |

386345 to 386347. SACCHARUM OFFICINARUM L. Gramineae. Sugarcane.
 From Australia. Cuttings presented by Colonial Sugar Refining Company, Ltd., Sidney, New South Wales. Received May 22, 1974.

386345. 'MQ63-714'.
 386346. 'Trojan'.
 386347. 'Pindar'.

386318 to 386350. ARACHIS HYPOGAEA L. Leguminosae. Peanut.

From Argentina. Seed presented by J. P. Pietrarelli, Tecnico de la Seccion Mani, Estacion Experimental Agropecuaria, Manfredi, Cordoba. Received May 1, 1974.

386318. 'Colorado Correntino'. Valencia type.

386349. 'Colorado Irradiado INTA'. Valencia type.

386350. 'Mf 66 × M6'. Irradiated lines highly resistant to *Cercospora* spp. Valencia type.

386351 to 387798.

From Ethiopia. Seed of Holetta Collection presented by the Institute of Agricultural Research, Addis Ababa. Received April 23, 1974.

386351 to 386508. HORDEUM DEFICIENS Steud. ex A. Braun Gramineae.

386351. IAR/B/29. Sululta, Shoa Province.

386352. IAR/B/40. Meskela Kirstos, Begemdir Province.

386353. IAR/B/44. Weleka, Begemdir Province.

386354. IAR/B/45. Chira, Begemdir Province.

386355. IAR/B/53-1. Woyebla, Begemdir Province.

386356. IAR/B/53-2. Woyebla, Begemdir Province.

386357. IAR/B/53-3. Woyebla, Begemdir Province.

386358. IAR/B/53-4. Woyebla, Begemdir Province.

386359. IAR/B/54. Woyebla, Begemdir Province.

386360. IAR/B/55. Woyebla, Begemdir Province.

386361. IAR/B/58. Ankesty, Tigre Province.

386362. IAR/B/59.

386363. IAR/B/60. Gulo-Mhade, Tigre Province.

386364. IAR/B/61. Gulo-Mhade, Tigre Province.

386365. IAR/B/62-1. Bete Markos, Tigre Province.

386366. IAR/B/62-2. Bete Markos, Tigre Province.

386367. IAR/B/63-1. Bete Markos, Tigre Province.

386368. IAR/B/63-2. Bete Markos, Tigre Province.

386369. IAR/B/73. Amba Gost, Tigre Province.

386370. IAR/B/88. Debre-Berhan Market, Shoa Province.

386371. IAR/B/89. Debre-Berhan Market, Shoa Province.

386372. IAR/B/90. Debre-Berhan Market, Shoa Province.

386373. IAR/B/91-1. Debre-Berhan Market, Shoa Province.

386374. IAR/B/91-2. Debre-Berhan Market, Shoa Province.

386351 to 387798—Continued**386351 to 386508—Continued**

- 386375. IAR/B/91-3. Debre-Berhan Market, Shoa Province.
- 386376. IAR/B/115-2. Hursa, Shoa Province.
- 386377. IAR/B/115-3. Hursa, Shoa Province.
- 386378. IAR/B/124-3. Jimma Market, Keffa Province.
- 386379. IAR/B/125-2. Jimma Market, Keffa Province.
- 386380. IAR/B/129-2. Derebe, Keffa Province.
- 386381. IAR/B/130. Geren, Keffa Province.
- 386382. IAR/B/131-1. Gore-Gimbi Road, Wollega Province.
- 386383. IAR/B/131-2. Gore-Bimbi Road, Wollega Province.
- 386384. IAR/B/132. Wollega Province.
- 386385. IAR/B/133. Wollega Province.
- 386386. IAR/B/134. Wollega Province.
- 386387. IAR/B/135-1. Ginchi Market, Shoa Province.
- 386388. IAR/B/135-2. Ginchi Market, Shoa Province.
- 386389. IAR/B/135-3. Ginchi Market, Shoa Province.
- 386390. IAR/B/136-1. Ginchi Market, Shoa Province.
- 386391. IAR/B/136-2. Ginchi Market, Shoa Province.
- 386392. IAR/B/136-3. Ginchi Market, Shoa Province.
- 386393. IAR/B/141. Kofete, Arussi Province.
- 386394. IAR/B/147-1. Kofete, Arussi Province.
- 386395. IAR/B/204-2. Kofete, Arussi Province.
- 386396. IAR/B/206-1. Bekoji, Arussi Province.
- 386397. IAR/B/214-1. Bekoji, Arussi Province.
- 386398. IAR/B/214-2. Bekoji, Arussi Province.
- 386399. IAR/B/220. Dodota, Arussi Province.
- 386400. IAR/B/244-1. Dembia, Begemdir Province.
- 386401. IAR/B/246-1. Dabo Georgis, Begemdir Province.
- 386402. IAR/B/247. Dembia, Begemdir Province.
- 386403. IAR/B/248-1. Chilga, Begemdir Province.
- 386404. IAR/B/248-2. Chilga, Begemdir Province.
- 386405. IAR/B/251. Hamassien, Eritrea Province.
- 386406. IAR/B/252. Hamassien, Eritrea Province.
- 386407. IAR/B/253. Hamassien, Eritrea Province.
- 386408. IAR/B/254. Agew Medir, Gojam Province.
- 386409. IAR/B/259. Banja (agew Midir,) Gojam Province.
- 386410. IAR/B/261. Deder, Hararge Province.
- 386411. IAR/B/265. Dire Dawa, Hararge Province.
- 386412. IAR/B/266. Dire Dawa, Hararge Province.
- 386413. IAR/B/267. Deder, Hararge Province.
- 386414. IAR/B/268. Dire Dawa, Hararge Province.
- 386415. IAR/B/272. Buno Bedele, Illubabor Province.
- 386416. IAR/B/273. Buno Bedele, Illubabor Province.
- 386417. IAR/B/274-1. Buno Bedele, Illubabor Province.

386351 to 387798—Continued**386351 to 386508—Continued**

- 386418. IAR/B/274-2. Buno Bedele, Illubabor Province.
- 386419. IAR/B/275. Gore, Illubabor Province.
- 386420. IAR/B/277. Agaro Market, Keffa Province.
- 386421. IAR/B/278-3. Agaro Market, Keffa Province.
- 386422. IAR/B/284-1. Agaro Market, Keffa Province.
- 386423. IAR/B/286-3. Dedo Mentoso, Keffa Province.
- 386424. IAR/B/286-4. Dedo Mentoso, Keffa Province.
- 386425. IAR/B/288-2. Jimma Market, Keffa Province.
- 386426. IAR/B/294-1. Seka Market, Keffa Province.
- 386427. IAR/B/294-2. Seka Market, Keffa Province.
- 386428. IAR/B/295-2. Seka Market, Keffa Province.
- 386429. IAR/B/298. Agaro Market, Keffa Province.
- 386430. IAR/B/319. Chacha, Shoa Province.
- 386431. IAR/B/323. Yerer and Kereyu, Shoa Province.
- 386432. IAR/B/325-2. Yerer and Kereyu, Shoa Province.
- 386433. IAR/B/334-1. Jibat and Mecha, Shoa Province.
- 386434. IAR/B/335-1. Baso, Shoa Province.
- 386435. IAR/B/341-1. Jibat and Mecha, Shoa Province.
- 386436. IAR/B/341-2. Jibat and Mecha, Shoa Province.
- 386437. IAR/B/342-3. Debre-Berhan, Shoa Province.
- 386438. IAR/B/349-2. Baso, Shoa Province.
- 386439. IAR/B/358-1. Chacha, Shoa Province.
- 386440. IAR/B/360-3. Menagesha, Shoa Province.
- 386441. IAR/B/362. Debre-Berhan, Shoa Province.
- 386442. IAR/B/371. Yerer and Kereyu, Shoa Province.
- 386443. IAR/B/380. Yerer and Kereyu, Shoa Province.
- 386444. IAR/B/383. Yerer and Kereyu, Shoa Province.
- 386445. IAR/B/385.
- 386446. IAR/B/386. Yerer and Kereyu, Shoa Province.
- 386447. IAR/B/387-2.
- 386448. IAR/B/393-2. Wolisso, Shoa Province.
- 386449. IAR/B/393-3. Wolisso, Shoa Province.
- 386450. IAR/B/395-3. Selale, Shoa Province.
- 386451. IAR/B/396-1.
- 386452. IAR/B/396-2.
- 386453. IAR/B/398-2. Ginchi, Shoa Province.
- 386454. IAR/B/399. Alem Gena, Shoa Province.
- 386455. IAR/B/407-2. Jibat and Mecha, Shoa Province.
- 386456. IAR/B/410-2. Menagesha, Shoa Province.
- 386457. IAR/B/411-1. Alem Gena, Shoa Province.
- 386458. IAR/B/411-2. Alem Gena, Shoa Province.
- 386459. IAR/B/429-1. Agere Selam, Sidamo Province.

386351 to 387798—Continued**386351 to 386508—Continued**

- 386460. IAR/B/430-1. Wollamo Sodo, Sidamo Province.
- 386461. IAR/B/430-2. Wollamo Sodo, Sidamo Province.
- 386462. IAR/B/434. Adwa, Tigre Province.
- 386463. IAR/B/441. Hoolet Awalo, Tigre Province.
- 386464. IAR/B/442. Wukro, Tigre Province.
- 386465. IAR/B/433-1. Tigre Province.
- 386466. IAR/B/443-2. Tigre Province.
- 386467. IAR/B/444-1. Enderta, Tigre Province.
- 386468. IAR/B/444-2. Enderta, Tigre Province.
- 386469. IAR/B/445-1. Hoolet Awalo, Tigre Province.
- 386470. IAR/B/445-2. Hoolet Awalo, Tigre Province.
- 386471. IAR/B/446. Enderta, Tigre Province.
- 386472. IAR/B/447. Wukro, Tigre Province.
- 386473. IAR/B/448. Shire, Tigre Province.
- 386474. IAR/B/451. Axum, Tigre Province.
- 386475. IAR/B/452. Axum, Tigre Province.
- 386476. IAR/B/453. Agamie, Tigre Province.
- 386477. IAR/B/454. Agamie, Tigre Province.
- 386478. IAR/B/455. Shire, Tigre Province.
- 386479. IAR/B/456. Woldia, Wollo Province.
- 386480. IAR/B/457-1. Sekotta, Wollo Province.
- 386481. IAR/B/458-1. Kombolcha, Wollo Province.
- 386482. IAR/B/458-2. Kombolcha, Wollo Province.
- 386483. IAR/B/459. Woldia, Wollo Province.
- 386484. IAR/B/460-1. Alamatta, Wollo Province.
- 386485. IAR/B/460-2. Alamatta, Wollo Province.
- 386486. IAR/B/461. Kombolcha, Wollo Province.
- 386487. IAR/B/462. Kombolcha, Wollo Province.
- 386488. IAR/B/463-4. Weleka, Begemdir, Province.
- 386489. IAR/B/464. Weleka, Begemdir, Province.
- 386490. IAR/B/468. Gorgora, Begemdir Province.
- 386491. IAR/B/469. Gorgora, Begemdir Province.
- 386492. IAR/B/470. Gorgora, Begemdir Province.
- 386493. IAR/B/480. Road to Bako, Shoa Province.
- 386494. IAR/B/481. Meta Jebo, Shoa Province.
- 386495. IAR/B/483. Meta Jebo, Shoa Province.
- 386496. IAR/B/490-2. Fitcha, Shoa Province.
- 386497. IAR/B/493. Walage (Axum), Tigre Province.
- 386498. IAR/B/494. Walage (Axum), Tigre Province.
- 386499. IAR/B/502-2. Road from Asmara to Addis, Tigre Province.
- 386500. IAR/B/505-2. Alagee, Tigre Province.
- 386501. IAR/B/506-3. Alagee, Tigre Province.

386351 to 387798—Continued**386351 to 386508—Continued**

- 386502. IAR/B/509.
- 386503. IAR/B/510.
- 386504. IAR/B/512. Ambo Market, Shoa Province.
- 386505. IAR/B/513. Debre Markos, Gojam Province.
- 386506. IAR/B/524-3. Ambo Market, Shoa Province.
- 386507. IAR/B/526. Debre Markos, Gojam Province.
- 386508. IAR/B/527-1. Debre-Berhan, Shoa Province.

386509 to 386527. HORDEUM DISTICHON L.**Two-rowed barley.**

- 386509. IAR/B/28-2.
- 386510. IAR/B/65-1.
- 386511. IAR/B/65-3.
- 386512. IAR/B/67. Mymegeltta, Tigre Province.
- 386513. IAR/B/112-1. Bore Market, Sidamo Province.
- 386514. IAR/B/148-3. Kofete, Arussi Province.
- 386515. IAR/B/183-2. Bekoji, Arussi Province.
- 386516. IAR/B/285-1. Dedo Garima, Keffa Province.
- 386517. IAR/B/305-1. Mana, Keffa Province.
- 386518. IAR/B/305-2. Mana, Keffa Province.
- 386519. IAR/B/312-3.
- 386520. IAR/B/387-1.
- 386521. IAR/B/414-3. Shoa Province.
- 386522. IAR/B/429-2. Agere Selam, Sidamo Province.
- 386523. IAR/B/429-3. Agere Selam, Sidamo Province.
- 386524. IAR/B/431. Agere Selam, Sidamo Province.
- 386525. IAR/B/432-3. Agere Selam, Sidamo Province.
- 386526. IAR/B/527-2. Debre Berhan, Shoa Province.
- 386527. IAR/B/527-3. Debre Berhan, Shoa Province:
- 386528 to 386829. HORDEUM IRREGULARE Aberg & Wiebe**
- 386528. IAR/B/1-1. Lemlem Tabiya, Debre Zeit, Shoa Province.
- 386529. IAR/B/1-2. Lemlem Tabiya, Debre Zeit, Shoa Province.
- 386530. IAR/B/2. Chiro, Chercher, Hararge Province.
- 386531. IAR/B-3. Asbe-Teferi, Hararge Province.
- 386532. IAR/B/4-1. Korkea, Hararge Province.
- 386533. IAR/B/4-2. Korkea, Hararge Province.
- 386534. IAR/B/5. Sidama Awash, Shoa Province.
- 386535. IAR/B/6. Kurffa Chele, Gara Muleta, Hararge Province.
- 386536. IAR/B/7-1. Ejersa-Goro Town, Hararge Province.
- 386537. IAR/B/7-8. Ejersa-Goro Town, Hararge Province.
- 386538. IAR/B/8. Gursum, Hararge Province.
- 386539. IAR/B/9. Mt. Mederro, Gursum, Hararge Province.
- 386540. IAR/B/10. Atba Kekete, Hararge Province.
- 386541. IAR/B/11. Atba Kekete, Hararge Province.
- 386542. IAR/B/12. Mojo, Shoa Province.

386351 to 387798—Continued**386528 to 386829—Continued**

- 386543. IAR/B/13, Asbe-Teferi, Hararge Province.
- 386544. IAR/B/14. Korkea, Hararge Province.
- 386545. IAR/B/15. Korkea, Hararge Province.
- 386546. IAR/B/16. Dedder-Kobo Road, Hararge Province.
- 386547. IAR/B/17. Gara Muleta, Hararge Province.
- 386548. IAR/B/18. Ejersa-Goro Town, Hararge Province.
- 386549. IAR/B/19. Deder-Kobo Road, Hararge Province.
- 386550. IAR/B/20-1. Entoto, Shoa Province.
- 386551. IAR/B/20-3. Entoto, Shoa Province.
- 386552. IAR/B/21. Kasemo, Shoa Province.
- 386553. IAR/B/22. Kasemo, Shoa Province.
- 386554. IAR/B/23. Kasemo, Shoa Province.
- 386555. IAR/B/24. Komando Tabia, Shoa Province.
- 386556. IAR/B/26. Dejen, Gojam Province.
- 386557. IAR/B/28-1.
- 386558. IAR/B/36. Debre-Tabor, Begemdir Province.
- 386559. IAR/B/37. Debre-Tabor, Begemdir Province.
- 386560. IAR/B/38-2. Debre-Tabor, Begemdir Province.
- 386561. IAR/B/39. Mello, Begemdir Province.
- 386562. IAR/B/41. Kola Deba, Begemdir Province.
- 386563. IAR/B/42. Gonder, Begemdir Province.
- 386564. IAR/B/43. Weleka, Begemdir Province.
- 386565. IAR/B/50. Kosoye, Begemdir Province.
- 386566. IAR/B/51. Amba Georgis, Begemdir Province.
- 386567. IAR/B/52. Genan, Begemdir Province.
- 386568. IAR/B/64-2. Bete Hawariat, Tigre Province.
- 386569. IAR/B/65-2.
- 386570. IAR/B/66.
- 386571. IAR/B/83. Beriu.
- 386572. IAR/B/84-2. Kombo-Ayer Area.
- 386573. IAR/B/84-3. Kombo-Ayer Area.
- 386574. IAR/B/94-1. Chancho, Shoa Province.
- 386575. IAR/B/94-2. Chancho, Shoa Province.
- 386576. IAR/B/95. Gonder Market, Begemdir Province.
- 386577. IAR/B/96. Gonder Market, Begemdir Province.
- 386578. IAR/B/98-1. Bodetta, Gomu Gofa Province.
- 386579. IAR/B/98-2. Bodetta, Gomu Gofa Province.
- 386580. IAR/B/99-1. Arbaminch Market, Gomu Gofa Province.
- 386581. IAR/B/99-2. Arbaminch Market, Gomu Gofa Province.
- 386582. IAR/B/105. Wendo, Sidamo Province.
- 386583. IAR/B/106. Mogisa, Sidamo Province.
- 386584. IAR/B/107. Gerbicha, Sidamo Province.

386351 to 387798—Continued**386528 to 386829—Continued**

- 386585. IAR/B/108. Gerbicha, Sidamo Province.
- 386586. IAR/B/109. Gerbicha, Sidamo Province.
- 386587. IAR/B/124-2. Jimma Market, Keffa Province.
- 386588. IAR/B/125-1. Jimma Market, Keffa Province.
- 386589. IAR/B/126-1. Derebe, Keffa Province.
- 386590. IAR/B/126-2. Derebe, Keffa Province.
- 386591. IAR/B/127-1. Derebe, Keffa Province.
- 386592. IAR/B/127-2. Derebe, Keffa Province.
- 386593. IAR/B/128. Derebe, Keffa Province.
- 386594. IAR/B/129-1. Derebe, Keffa Province.
- 386595. IAR/B/137. Ginchi Market, Shoa Province.
- 386596. IAR/B/138-1. Bekoji, Arussi Province.
- 386597. IAR/B/138-2. Bekoji, Arussi Province.
- 386598. IAR/B/140. Gunna, Arussi Province.
- 386599. IAR/B/150. Munessa, Arussi Province.
- 386600. IAR/B/152-2. Arussi Province.
- 386601. IAR/B/155-2. Bekoji, Arussi Province.
- 386602. IAR/B/155-3. Bekoji, Arussi Province.
- 386603. IAR/B/155-4. Bekoji, Arussi Province.
- 386604. IAR/B/156. Amigna, Arussi Province.
- 386605. IAR/B/157. Amigna, Arussi Province.
- 386606. IAR/B/158. Kofete, Arussi Province.
- 386607. IAR/B/160-1. Bekoji, Arussi Province.
- 386608. IAR/B/160-2. Bekoji, Arussi Province.
- 386609. IAR/B/161-1. Munessa, Arussi Province.
- 386610. IAR/B/165. Bekoji, Arussi Province.
- 386611. IAR/B/168-1. Bekoji, Arussi Province.
- 386612. IAR/B/168-2. Bekoji, Arussi Province.
- 386613. IAR/B/169. Amigna, Arussi Province.
- 386614. IAR/B/180. Arbagugu, Arussi Province.
- 386615. IAR/B/181. Maty, Arussi Province.
- 386616. IAR/B/183-1. Bekoji, Arussi Province.
- 386617. IAR/B/184-1. Temama, Arussi Province.
- 386618. IAR/B/186-3. Kofele, Arussi Province.
- 386619. IAR/B/187-1. Bekoji, Arussi Province.
- 386620. IAR/B/188. Amigna, Arussi Province.
- 386621. IAR/B/193-1. Kofele, Arussi Province.
- 386622. IAR/B/193-2. Kofele, Arussi Province.
- 386623. IAR/B/196. Bekoji, Arussi Province.
- 386624. IAR/B/197. Amigna, Arussi Province.
- 386625. IAR/B/198-2. Bekoji, Arussi Province.
- 386626. IAR/B/199-1. Bekoji, Arussi Province.

386351 to 387798—Continued**386528 to 386829—Continued**

- 386627. IAR/B/203-1. Amigna, Arussi Province.
- 386628. IAR/B/205-3. Bekoji, Arussi Province.
- 386629. IAR/B/205-4. Bekoji, Arussi Province.
- 386630. IAR/B/206-2. Bekoji, Arussi Province.
- 386631. IAR/B/207-1. Bekoji, Arussi Province.
- 386632. IAR/B/211-2. Bekoji, Arussi Province.
- 386633. IAR/B/212-2. Kofele, Arussi Province.
- 386634. IAR/B/215-2. Bekoji, Arussi Province.
- 386635. IAR/B/221.
- 386636. IAR/B/222.
- 386637. IAR/B/224.
- 386638. IAR/B/228.
- 386639. IAR/B/229-2.
- 386640. IAR/B/230. Makira Wagara, Begemdir Province.
- 386641. IAR/B/231. Wawa Dembia, Begemdir Province.
- 386642. IAR/B/232-1. Gonder, Begemdir Province.
- 386643. IAR/B/232-2. Gonder, Begemdir Province.
- 386644. IAR/B/233. Makira Wagara, Begemdir Province.
- 386645. IAR/B/234. Wakin, Begemdir Province.
- 386646. IAR/B/235. Michael Debre, Begemdir Province.
- 386647. IAR/B/236. Debark, Begemdir Province.
- 386648. IAR/B/237. Wager Maker, Begemdir Province.
- 386649. IAR/B/238-2. Michael Debre, Begemdir Province.
- 386650. IAR/B/239-1. Debark, Begemdir Province.
- 386651. IAR/B/239-2. Debark, Begemdir Province.
- 386652. IAR/B/242-2. Gonder, Begemdir Province.
- 386653. IAR/B/243. Gonder, Begemdir Province.
- 386654. IAR/B/245. Wokin, Begemdir Province.
- 386655. IAR/B/246-2. Dabo Georgis, Begemdir Province.
- 386656. IAR/B/246-4. Dabo Georgis, Begemdir Province.
- 386657. IAR/B/255. Debre Markos, Gojam Province.
- 386658. IAR/B/256. Dejen, Gojam Province.
- 386659. IAR/B/257-1. Debre Markos, Gojam Province.
- 386660. IAR/B/257-2. Debre Markos, Gojam Province.
- 386661. IAR/B/257-3. Debre Markos, Gojam Province.
- 386662. IAR/B/258. Dembecha, Gojam Province.
- 386663. IAR/B/260. Debre Markos, Gojam Province.
- 386664. IAR/B/269. Gara Muleta, Hararge Province.
- 386665. IAR/B/270. Gore, Illubabor Province.
- 386666. IAR/B/271. Mocha, Illubabor Province.
- 386667. IAR/B/280-3. Jimma Market, Keffa Province.
- 386668. IAR/B/281-1. Mana, Keffa Province.

386351 to 387798—Continued**386528 to 386829—Continued**

- 386669. IAR/B/281-2. Mana, Keffa Province.
- 386670. IAR/B/282-1. Seka Market, Keffa Province.
- 386671. IAR/B/282-2. Seka Market, Keffa Province.
- 386672. IAR/B/287-1. Saka Chekorsa, Keffa Province.
- 386673. IAR/B/289-2. Agaro Market, Keffa Province.
- 386674. IAR/B/289-4. Agaro Market, Keffa Province.

- 386676. IAR/B/291-2. Seka Market, Keffa Province.
- 386677. IAR/B/295-1. Seka Market, Keffa Province.
- 386678. IAR/B/295-3. Seka Market, Keffa Province.
- 386679. IAR/B/297-3. Agaro Market, Keffa Province.
- 386680. IAR/B/297-4. Agaro Market, Keffa Province.
- 386681. IAR/B/299-2. Dedo Sola, Keffa Province.
- 386682. IAR/B/299-3. Dedo Sola, Keffa Province.
- 386683. IAR/B/300-1. Mana, Keffa Province.
- 386684. IAR/B/300-2. Mana, Keffa Province.
- 386685. IAR/B/304-4. Agaro Market, Keffa Province.
- 386686. IAR/B/306-2. Seka Market, Keffa Province.
- 386687. IAR/B/307-1. Jibat and Mecha, Shoa Province.
- 386688. IAR/B/310-1. Menagesha, Shoa Province.
- 386689. IAR/B/310-2. Menagesha, Shoa Province.
- 386690. IAR/B/313-3. Menagesha, Shoa Province.
- 386691. IAR/B/316-3. Ginchi, Shoa Province.
- 386692. IAR/B/317-1. Jibat and Mecha, Shoa Province.
- 386693. IAR/B/317-2. Jibat and Mecha, Shoa Province.
- 386694. IAR/B/318-1. Menagesha, Shoa Province.
- 386695. IAR/B/318-2. Menagesha, Shoa Province.
- 386696. IAR/B/320-2. Kechen, Shoa Province.
- 386697. IAR/B/320-3. Kechen, Shoa Province.
- 386698. IAR/B/322-1. Ginchi, Shoa Province.
- 386699. IAR/B/322-2. Ginchi, Shoa Province.
- 386700. IAR/B/325-3. Yerer and Kereyu, Shoa Province.
- 386701. IAR/B/328-1. Alem Gena, Shoa Province.
- 386702. IAR/B/328-2. Alem Gena, Shoa Province.
- 386703. IAR/B/334-2. Jibat and Mecha, Shoa Province.
- 386704. IAR/B/337-1. Jibat and Mecha, Shoa Province.
- 386705. IAR/B/337-2. Jibat and Mecha, Shoa Province.
- 386706. IAR/B/340-3. Debre Berhan, Shoa Province.
- 386707. IAR/B/345-1. Menagesha, Shoa Province.
- 386708. IAR/B/350-1.
- 386709. IAR/B/351-1. Menagesha, Shoa Province.
- 386710. IAR/B/353-1. Menagesha, Shoa Province.
- 386711. IAR/B/353-2. Menagesha, Shoa Province.

386351 to 387798—Continued**386528 to 386829—Continued**

- 386712. IAR/B/353-3. Menagesha, Shoa Province.
- 386713. IAR/B/353-4. Menagesha, Shoa Province.
- 386714. IAR/B/354-1. Keye Gebse, Shoa Province.
- 386715. IAR/B/354-2. Keye Gebse, Shoa Province.
- 386716. IAR/B/355.
- 386717. IAR/B/356-1. Chancho, Shoa Province.
- 386718. IAR/B/356-2. Chancho, Shoa Province.
- 386719. IAR/B/357-2. Baso, Shoa Province.
- 386720. IAR/B/358-3. Chacha, Shoa Province.
- 386721. IAR/B/359-2. Chancho, Shoa Province.
- 386722. IAR/B/361-1.
- 386723. IAR/B/361-2.
- 386724. IAR/B/361-3.
- 386725. IAR/B/363-2. Chacha, Shoa Province.
- 386726. IAR/B/364-1.
- 386727. IAR/B/364-2.
- 386728. IAR/B/364-3.
- 386729. IAR/B/365-1.
- 386730. IAR/B/365-2.
- 386731. IAR/B/366-1.
- 386732. IAR/B/366-2.
- 386733. IAR/B/369. Shoa Province.
- 386734. IAR/B/370-1. Chacha, Shoa Province.
- 386735. IAR/B/370-2. Chacha, Shoa Province.
- 386736. IAR/B/372-2. Menagesha, Shoa Province.
- 386737. IAR/B/374. Yerer and Kereyu, Shoa Province.
- 386738. IAR/B/375-2. Yerer and Kereyu, Shoa Province.
- 386739. IAR/B/375-3. Yerer and Kereyu, Shoa Province.
- 386740. IAR/B/376. Tegulet and Bulga, Shoa Province.
- 386741. IAR/B/377. Fitcha, Shoa Province.
- 386742. IAR/B/378-1. Jibat and Mecha, Shoa Province.
- 386743. IAR/B/378-2. Jibat and Mecha, Shoa Province.
- 386744. IAR/B/381. Tegulet and Bulga, Shoa Province.
- 386745. IAR/B/384-2. Tegulet and Bulga, Shoa Province.
- 386746. IAR/B/389-2.
- 386747. IAR/B/389-3.
- 386748. IAR/B/390-1. Yerer and Kereyu, Shoa Province.
- 386749. IAR/B/390-2. Yerer and Kereyu, Shoa Province.
- 386750. IAR/B/390-3. Yerer and Kereyu, Shoa Province.
- 386751. IAR/B/391-1. Jibat and Mecha, Shoa Province.
- 386752. IAR/B/391-2. Jibat and Mecha, Shoa Province.
- 386753. IAR/B/392-3. Sheno, Shoa Province.
- 386754. IAR/B/393-1. Wolisso, Shoa Province.

386351 to 387798—Continued**386528 to 386829—Continued**

- 386755. IAR/B/394-1.
- 386756. IAR/B/394-2.
- 386757. IAR/B/395-2. Selale, Shoa Province.
- 386758. IAR/B/398-1. Ginchi, Shoa Province.
- 386759. IAR/B/400.
- 386760. IAR/B/401-1.
- 386761. IAR/B/401-2.
- 386762. IAR/B/402.
- 386763. IAR/B/403. Menagesha, Shoa Province.
- 386764. IAR/B/404.
- 386765. IAR/B/405-1.
- 386766. IAR/B/405-2.
- 386767. IAR/B/405-3.
- 386768. IAR/B/406-1. Jibat and Mecha, Shoa Province.
- 386769. IAR/B/406-2. Jibat and Mecha, Shoa Province.
- 386770. IAR/B/406-3. Jibat and Mecha, Shoa Province.
- 386771. IAR/B/407-1. Jibat and Mecha, Shoa Province.
- 386772. IAR/B/407-3. Jibat and Mecha, Shoa Province.
- 386773. IAR/B/407-4. Jibat and Mecha, Shoa Province.
- 386774. IAR/B/407-5. Jibat and Mecha, Shoa Province.
- 386775. IAR/B/408-2. Ginchi, Shoa Province.
- 386776. IAR/B/408-3. Ginchi, Shoa Province.
- 386777. IAR/B/410-1. Menagesha, Shoa Province.
- 386778. IAR/B/410-3. Menagesha, Shoa Province.
- 386779. IAR/B/411-3. Alem Gena, Shoa Province.
- 386780. IAR/B/412-3. Shoa Province.
- 386781. IAR/B/413. Shoa Province.
- 386782. IAR/B/415-1. Shoa Province.
- 386783. IAR/B/417-1. Shoa Province.
- 386784. IAR/B/417-2. Shoa Province.
- 386785. IAR/B/419-1. Shoa Province.
- 386786. IAR/B/419-2. Shoa Province.
- 386787. IAR/B/420-1. Shoa Province.
- 386788. IAR/B/420-2. Shoa Province.
- 386789. IAR/B/421. Shoa Province.
- 386790. IAR/B/422. Shoa Province.
- 386791. IAR/B/424. Shoa Province.
- 386792. IAR/B/435. Axum, Tigre Province.
- 386793. IAR/B/436. Wukro, Tigre Province.
- 386794. IAR/B/457-2. Sekotta, Wollo Province.
- 386795. IAR/B/465. Weleka, Begemdir Province.
- 386796. IAR/B/466-3. Weleka, Begemdir Province.
- 386797. IAR/B/467-1. Weleka, Begemdir Province.

386351 to 387798—Continued**386528 to 386829—Continued**

- 386798.** IAR/B/471. Waken Amba, Begemdir Province.
386799. IAR/B/472-1. Waken Amba, Begemdir Province.
386800. IAR/B/472-2. Waken Amba, Begemdir Province.
386801. IAR/B/472-3. Waken Amba, Begemdir Province.
386802. IAR/B/474. Selale, Shoa Province.
386803. IAR/B/475. Selale, Shoa Province.
386804. IAR/B/476. Lumamie, Gojam Province.
386805. IAR/B/477-1. Lumamie, Gojam Province.
386806. IAR/B/477-2. Lumamie, Gojam Province.
386807. IAR/B/478. Selale, Shoa Province.
386808. IAR/B/479. Selale, Shoa Province.
386809. IAR/B/486-1. Near Gebre Guracha, Gojam Road, Shoa Province.
386810. IAR/B/486-2. Near Gebre Guracha, Gojam Road, Shoa Province.
386811. IAR/B/495. Walage, Tigre Province.
386812. IAR/B/496. Walage Mariam, Tigre Province.
386813. IAR/B/503-1. Road from Asmara to Addis, Tigre Province.
386814. IAR/B/503-2. Road from Asmara to Addis, Tigre Province.
386815. IAR/B/504-3. Alagee, Tigre Province.
386816. IAR/B/505-3. Alagee, Tigre Province.
386817. IAR/B/506-2. Alagee, Tigre Province.
386818. IAR/B/507. Alagee, Tigre Province.
386819. IAR/B/511-1. Wollencomi, Shoa Province.
386820. IAR/B/511-2. Wollencomi, Shoa Province.
386821. IAR/B/516-1. Ambo Market, Shoa Province.
386822. IAR/B/516-2. Ambo Market, Shoa Province.
386823. IAR/B/517-1. Debre-Berhan, Shoa Province.
386824. IAR/B/518-1. Ankober, Shoa Province.
386825. IAR/B/518-3. Ankober, Shoa Province.
386826. IAR/B/520. Debre Markos, Gojam Province.
386827. IAR/B/521-1. Wollencomi, Shoa Province.
386828. IAR/B/525-3. Nekemt, Wollega Province.
386829. IAR/B/525-4. Nekemt, Wollega Province.
- 386830 to 387250.** HORDEUM VULGARE L. **Barley.**
- 386830.** IAR/B/25. Dejen, Gojam Province.
386831. IAR/B/27. Dejen, Gojam Province.
386832. IAR/B/30.
386833. IAR/B/31. Insibara, Gojam Province.
386834. IAR/B/32. Insibara, Gojam Province.
386835. IAR/B/33. Insibara, Gojam Province.
386836. IAR/B/34. Amusit, Gojam Province.
386837. IAR/B/35.
386838. IAR/B/38-1. Debre-Tabor, Begemdir Province.
386839. IAR/B/46. Chira, Begemdir Province.

386351 to 387798—Continued**386830 to 387250—Continued**

- 386840. IAR/B/47. Chira, Begemdir Province.
- 386841. IAR/B/48. Kerker, Begemdir Province.
- 386842. IAR/B/49. Kerker, Begemdir Province.
- 386843. IAR/B/56. Debark, Begemdir Province.
- 386844. IAR/B/57. Akabe Saat, Eritrea Province.
- 386845. IAR/B/64-1. Bete Hawariat, Tigre Province.
- 386846. IAR/B/68. Bingelet, Endapetros, Tigre Province.
- 386847. IAR/B/69-1. Mekele Market, Tigre Province.
- 386848. IAR/B/69-2. Mekele Market, Tigre Province.
- 386849. IAR/B/70. Mekele Market, Tigre Province.
- 386850. IAR/B/71. Mekele Market, Tigre Province.
- 386851. IAR/B/72. Mekele Market, Tigre Province.
- 386852. IAR/B/74-1. Mekele Market, Tigre Province.
- 386853. IAR/B/74-2. Mekele Market, Tigre Province.
- 386854. IAR/B/75. Maineber Market, Tigre Province.
- 386855. IAR/B/76. Maineber Market, Tigre Province.
- 386856. IAR/B/77. Meisu Market, Tigre Province.
- 386857. IAR/B/78. Dessie, Wollo Province.
- 386858. IAR/B/79. Tarma Ber, Wollo Province.
- 386859. IAR/B/80. Sibwasha Mariam, Gojam Province.
- 386860. IAR/B/81. Sibwasha Mariam, Gojam Province.
- 386861. IAR/B/82. Sibwasha Mariam, Gojam Province.
- 386862. IAR/B/84-1. Kombo-Ayer Area.
- 386863. IAR/B/85. Kombo-Ayer Area.
- 386864. IAR/B/86. Debre-Berhan Market, Shoa Province.
- 386865. IAR/B/88. Debre-Berhan Market, Shoa Province.
- 386866. IAR/B/92. Debre-Berhan Market, Shoa Province.
- 386867. IAR/B/93-1. Ketabe, Northwest of Debra-Berhan, Shoa Province.
- 386868. IAR/B/93-2. Ketabe, Northwest of Debra-Berhan, Shoa Province.
- 386869. IAR/B/97. Gonder Market, Begemdir Province.
- 386870. IAR/B/100-1. Arbaminch Market, Gomu Gofa Province.
- 386871. IAR/B/100-2. Arbaminch Market, Gomu Gofa Province.
- 386872. IAR/B/100-3. Arbaminch Market, Gomu Gofa Province.
- 386873. IAR/B/101-1. Arbaminch Market, Gomu Gofa Province.
- 386874. IAR/B/101-2. Arbaminch Market, Gomu Gofa Province.
- 386875. IAR/B/102. Arbaminch Market, Gomu Gofa Province.
- 386876. IAR/B/103-1. Shashemene-Kebre Mengist Road, Sidamo Province.
- 386877. IAR/B/103-2. Shashemene-Kebre Mengist Road, Sidamo Province.
- 386878. IAR/B/104-1. Wendo, Sidamo Province.
- 386879. IAR/B/104-2. Wendo, Sidamo Province.
- 386880. IAR/B/104-3. Wendo, Sidamo Province.
- 386881. IAR/B/110. Bore Market, Sidamo Province.
- 386882. IAR/B/111. Bore Market, Sidamo Province.

386351 to 387798—Continued**386830 to 387250—Continued**

- 386883. IAR/B/112-2. Bore Market, Sidamo Province.
- 386884. IAR/B/113. Bore Market, Sidamo Province.
- 386885. IAR/B/114-1. Bofre, Sidamo Province.
- 386886. IAR/B/114-2. Bofre, Sidamo Province.
- 386887. IAR/B/115-1. Hursa, Shoa Province.
- 386888. IAR/B/115-4. Hursa, Shoa Province.
- 386889. IAR/B/116. Kofele, Arussi Province.
- 386890. IAR/B/117. Chire, Arussi Province.
- 386891. IAR/B/118. Chire, Arussi Province.
- 386892. IAR/B/119.
- 386893. IAR/B/120.
- 386894. IAR/B/121-1.
- 386895. IAR/B/121-2.
- 386896. IAR/B/122. Derra Town, Arussi Province.
- 386897. IAR/B/123. Dilla, Sidamo Province.
- 386898. IAR/B/124-1. Jimma Market, Keffa Province.
- 386899. IAR/B/139-1. Kofete, Arussi Province.
- 386900. IAR/B/139-2. Kofete, Arussi Province.
- 386901. IAR/B/142. Sagure, Arussi Province.
- 386902. IAR/B/143-1. Kofete, Arussi Province.
- 386903. IAR/B/143-2. Kofete, Arussi Province.
- 386904. IAR/B/143-3. Kofete, Arussi Province.
- 386905. IAR/B/144. Bekoji, Arussi Province.
- 386906. IAR/B/145. Amigna, Arussi Province.
- 386907. IAR/B/146. Bekoji, Arussi Province.
- 386908. IAR/B/147-2. Kofete, Arussi Province.
- 386909. IAR/B/147-3. Kofete, Arussi Province.
- 386910. IAR/B/148-1. Kofete, Arussi Province.
- 386911. IAR/B/148-2. Kofete, Arussi Province.
- 386912. IAR/B/149. Dodota, Arussi Province.
- 386913. IAR/B/151. Bekoji, Arussi Province.
- 386914. IAR/B/152-1. Arussi Province.
- 386915. IAR/B/153-1. Arussi Province.
- 386916. IAR/B/153-2. Arussi Province.
- 386917. IAR/B/154. Munessa, Arussi Province.
- 386918. IAR/B/155-1. Bekoji, Arussi Province.
- 386919. IAR/B/158-1. Kofete, Arussi Province.
- 386920. IAR/B/159. Amigna, Arussi Province.
- 386921. IAR/B/160-3. Bekoji, Arussi Province.
- 386922. IAR/B/161-2. Munessa, Arussi Province.
- 386923. IAR/B/161-3. Munessa, Arussi Province.
- 386924. IAR/B/162-1. Bekojt, Arussi Province.
- 386925. IAR/B/162-2. Bekojt, Arussi Province.

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- 386925. IAR/B/163-1. Bekoji, Arussi Province.
- 386927. IAR/B/163-2. Bekoji, Arussi Province.
- 386928. IAR/B/164. Amigna, Arussi Province.
- 386929. IAR/B/166. Bekoji, Arussi Province.
- 386930. IAR/B/167. Bekoji, Arussi Province.
- 386931. IAR/B/170-1. Kofele, Arussi Province.
- 386932. IAR/B/170-2. Kofele, Arussi Province.
- 386933. IAR/B/170-3. Kofele, Arussi Province.
- 386934. IAR/B/171-1. Munessa, Arussi Province.
- 386935. IAR/B/171-2. Munessa, Arussi Province.
- 386936. IAR/B/172. Gunna, Arussi Province.
- 386937. IAR/B/173. Amigna, Arussi Province.
- 386938. IAR/B/174-1.
- 386939. IAR/B/174-2.
- 386940. IAR/B/175-1. Kofele, Arussi Province.
- 386941. IAR/B/175-2. Kofele, Arussi Province.
- 386942. IAR/B/176-1. Sagure, Arussi Province.
- 386943. IAR/B/176-2. Sagure, Arussi Province.
- 386944. IAR/B/177-1. Kofele, Arussi Province.
- 386945. IAR/B/177-2. Kofele, Arussi Province.
- 386946. IAR/B/178. Gunna, Arussi Province.
- 386947. IAR/B/179. Bekoji, Arussi Province.
- 386948. IAR/B/182-1. Bekoji, Arussi Province.
- 386949. IAR/B/182-2. Bekoji, Arussi Province.
- 386950. IAR/B/182-3. Bekoji, Arussi Province.
- 386951. IAR/B/184-2. Temama, Arussi Province.
- 386952. IAR/B/185-1. Kofele, Arussi Province.
- 386953. IAR/B/185-2. Kofele, Arussi Province.
- 386954. IAR/B/186-1. Kofele, Arussi Province.
- 386955. IAR/B/186-2. Kofele, Arussi Province.
- 386956. IAR/B/187-2. Bekoji, Arussi Province.
- 386957. IAR/B/187-3. Bekoji, Arussi Province.
- 386958. IAR/B/189-1. Lemunert, Arussi Province.
- 386959. IAR/B/189-2. Lemunert, Arussi Province.
- 386960. IAR/B/190. Kofele, Arussi Province.
- 386961. IAR/B/191. Kofele, Arussi Province.
- 386962. IAR/B/192. Amigna, Arussi Province.
- 386963. IAR/B/194-1. Gunna, Arussi Province.
- 386964. IAR/B/194-2. Gunna, Arussi Province.
- 386965. IAR/B/195-1. Bekoji, Arussi Province.
- 386966. IAR/B/195-2. Bekoji, Arussi Province.
- 386967. IAR/B/198-1. Bekoji, Arussi Province.
- 386968. IAR/B/199-2. Bekoji, Arussi Province.

386351 to 387798—Continued**386830 to 387250—Continued**

- 386969. IAR/B/199-3. Bekoji, Arussi Province.
- 386970. IAR/B/200. Munessa, Arussi Province.
- 386971. IAR/B/201. Kofele, Arussi Province.
- 386972. IAR/B/202. Bekoji, Arussi Province.
- 386973. IAR/B/203-2. Amigna, Arussi Province.
- 386974. IAR/B/203-3. Amigna, Arussi Province.
- 386975. IAR/B/204-1. Kofele, Arussi Province.
- 386976. IAR/B/204-3. Kofele, Arussi Province.
- 386977. IAR/B/205-1. Bekoji, Arussi Province.
- 386978. IAR/B/205-2. Bekoji, Arussi Province.
- 386979. IAR/B/206-3. Bekoji, Arussi Province.
- 386980. IAR/B/206-4. Bekoji, Arussi Province.
- 386981. IAR/B/207-2. Bekoji, Arussi Province.
- 386982. IAR/B/207-3. Bekoji, Arussi Province.
- 386983. IAR/B/208. Gunna, Arussi Province.
- 386984. IAR/B/209-1. Bekoji, Arussi Province.
- 386985. IAR/B/209-2. Bekoji, Arussi Province.
- 386986. IAR/B/210. Guna, Arussi Province.
- 386987. IAR/B/211-1. Bekoji, Arussi Province.
- 386988. IAR/B/211-3. Bekoji, Arussi Province.
- 386989. IAR/B/212-1. Kofele, Arussi Province.
- 386990. IAR/B/212-3. Kofele, Arussi Province.
- 386991. IAR/B/212-4. Kofele, Arussi Province.
- 386992. IAR/B/213. Guna, Arussi Province.
- 386993. IAR/B/214-3. Bekoji, Arussi Province.
- 386994. IAR/B/215-1. Bekoji, Arussi Province.
- 386995. IAR/B/215-3. Bekoji, Arussi Province.
- 386996. IAR/B/215-4. Bekoji, Arussi Province.
- 386997. IAR/B/216-1. Munessa, Arussi Province.
- 386998. IAR/B/216-2. Munessa, Arussi Province.
- 386999. IAR/B/216-3. Munessa, Arussi Province.
- 387000. IAR/B/217. Munessa, Arussi Province.
- 387001. IAR/B/218. Amigna, Arussi Province.
- 387002. IAR/B/219. Sude, Arussi Province.
- 387003. IAR/B/223.
- 387004. IAR/B/225.
- 387005. IAR/B/226.
- 387006. IAR/B/227.
- 387007. IAR/B/229-1.
- 387008. IAR/B/238-1. Michael Debre, Begemdir Province.
- 387009. IAR/B/238-3. Michael Debre, Begemdir Province.
- 387010. IAR/B/239-3. Debark, Begemdir Province.

386351 to 387798—Continued**386830 to 387250—Continued**

- 387011. IAR/B/240-1. Makira Wagara, Begemdir Province.
- 387012. IAR/B/240-2. Makira Wagara, Begemdir Province.
- 387013. IAR/B/240-3. Makira Wagara, Begemdir Province.
- 387014. IAR/B/241. Zene Mariam, Begemdir Province.
- 387015. IAR/B/242-1. Gonder, Begemdir Province.
- 387016. IAR/B/244-2. Dembia, Begemdir Province.
- 387017. IAR/B/246-3. Dabo Georgis, Begemdir Province.
- 387018. IAR/B/249-1. Wakin Wogara, Begemdir Province.
- 387019. IAR/B/249-2. Wakin Wogara, Begemdir Province.
- 387020. IAR/B/250. Gonder, Begemdir Province.
- 387021. IAR/B/262. Gara Muleta, Hararge Province.
- 387022. IAR/B/263. Asbe Teferi, Hararge Province.
- 387023. IAR/B/264. Dire Dawa, Hararge Province.
- 387024. IAR/B/276.
- 387025. IAR/B/278-1. Agaro Market, Keffa Province.
- 387026. IAR/B/278-2. Agaro Market, Keffa Province.
- 387027. IAR/B/278-4. Agaro Market, Keffa Province.
- 387028. IAR/B/278-5. Agaro Market, Keffa Province.
- 387029. IAR/B/279-1. Seka Market, Keffa Province.
- 387030. IAR/B/279-2. Seka Market, Keffa Province.
- 387031. IAR/B/279-3. Seka Market, Keffa Province.
- 387032. IAR/B/279-4. Seka Market, Keffa Province.
- 387033. IAR/B/280-1. Jimma Market, Keffa Province.
- 387034. IAR/B/280-2. Jimma Market, Keffa Province.
- 387035. IAR/B/283-1. Seka Market, Keffa Province.
- 387036. IAR/B/283-2. Seka Market, Keffa Province.
- 387037. IAR/B/283-3. Seka Market, Keffa Province.
- 387038. IAR/B/284-2. Agaro Market, Keffa Province.
- 387039. IAR/B/284-3. Agaro Market, Keffa Province.
- 387040. IAR/B/285-2. Dedo Garima, Keffa Province.
- 387041. IAR/B/286-1. Dedo Mentoso, Keffa Province.
- 387042. IAR/B/286-2. Dedo Mentoso, Keffa Province.
- 387043. IAR/B/287-2. Saka Chekorsa, Keffa Province.
- 387044. IAR/B/287-3. Saka Chekorsa, Keffa Province.
- 387045. IAR/B/288-1. Simma Market, Keffa Province.
- 387046. IAR/B/289-1. Agaro Market, Keffa Province.
- 387047. IAR/B/289-3. Agaro Market, Keffa Province.
- 387048. IAR/B/291-1. Seka Market, Keffa Province.
- 387049. IAR/B/292-1. Seka Market, Keffa Province.
- 387050. IAR/B/292-2. Seka Market, Keffa Province.
- 387051. IAR/B/293-1. Dedo Geshie, Keffa Province.

386351 to 387798—Continued**386830 to 387250—Continued**

- 387052. IAR/B/293-2. Dedo Geshie, Keffa Province.
- 387053. IAR/B/294-3. Seka Market, Keffa Province.
- 387054. IAR/B/296-1. Seka Chekorsa, Keffa Province.
- 387055. IAR/B/296-2. Seka Chekorsa, Keffa Province.
- 387056. IAR/B/297-1. Agaro Market, Keffa Province.
- 387057. IAR/B/297-2. Agaro Market, Keffa Province.
- 387058. IAR/B/299-1. Dedo Sola, Keffa Province.
- 387059. IAR/B/301-1. Agaro Market, Keffa Province.
- 387060. IAR/B/301-2. Agaro Market, Keffa Province.
- 387061. IAR/B/302-1. Dedo Sola, Keffa Province.
- 387062. IAR/B/302-2. Dedo Sola, Keffa Province.
- 387063. IAR/B/302-3. Dedo Sola, Keffa Province.
- 387064. IAR/B/302-4. Dedo Sola, Keffa Province.
- 387065. IAR/B/303-1. Seka Market, Keffa Province.
- 387066. IAR/B/303-2. Seka Market, Keffa Province.
- 387067. IAR/B/304-1. Agaro Market, Keffa Province.
- 387068. IAR/B/304-2. Agaro Market, Keffa Province.
- 387069. IAR/B/304-3. Agaro Market, Keffa Province.
- 387070. IAR/B/306-1. Seka Market, Keffa Province.
- 387071. IAR/B/307-2. Jibat and Mecha, Shoa Province.
- 387072. IAR/B/307-3. Jibat and Mecha, Shoa Province.
- 387073. IAR/B/308-1. Baso, Shoa Province.
- 387074. IAR/B/308-2. Baso, Shoa Province.
- 387075. IAR/B/309.
- 387076. IAR/B/311-1. Chacha, Shoa Province.
- 387077. IAR/B/311-2. Chacha, Shoa Province.
- 387078. IAR/B/312-1.
- 387079. IAR/B/312-2.
- 387080. IAR/B/313-1. Menagesha, Shoa Province.
- 387081. IAR/B/313-2. Menagesha, Shoa Province.
- 387082. IAR/B/314-1. Chacha, Shoa Province.
- 387083. IAR/B/314-2. Chacha, Shoa Province.
- 387084. IAR/B/315. Fitché, Shoa Province.
- 387085. IAR/B/316-1. Ginchi, Shoa Province.
- 387086. IAR/B/316-2. Ginchi, Shoa Province.
- 387087. IAR/B/320-1. Kechen, Shoa Province.
- 387088. IAR/B/321-1. Selale, Shoa Province.
- 387089. IAR/B/321-2. Selale, Shoa Province.
- 387090. IAR/B/322-3. Ginchi, Shoa Province.
- 387091. IAR/B/324. Yerer and Kereyu, Shoa Province.
- 387092. IAR/B/325-1. Yerer and Kereyu, Shoa Province.
- 387093. IAR/B/326-1. Menagesha, Shoa Province.
- 387094. IAR/B/326-2. Menagesha, Shoa Province.

386351 to 387798—Continued**386830 to 387250—Continued**

- 387095. IAR/B/326-3. Menagesha, Shoa Province.
- 387096. IAR/B/326-4. Menagesha, Shoa Province.
- 387097. IAR/B/327. Menagesha, Shoa Province.
- 387098. IAR/B/328-3. Alem Gena, Shoa Province.
- 387099. IAR/B/329. Selale, Shoa Province.
- 387100. IAR/B/330. Yerer and Kereyu, Shoa Province.
- 387101. IAR/B/331-1. Ginchi, Shoa Province.
- 387102. IAR/B/331-2. Ginchi, Shoa Province.
- 387103. IAR/B/331-3. Ginchi, Shoa Province.
- 387104. IAR/B/332. Yerer and Kereyu, Shoa Province.
- 387105. IAR/B/333-1. Debra Berhane, Shoa Province.
- 387106. IAR/B/333-2. Debra Berhane, Shoa Province.
- 387107. IAR/B/335-2. Baso, Shoa Province.
- 387108. IAR/B/335-3. Baso, Shoa Province.
- 387109. IAR/B/336. Chacha, Shoa Province.
- 387110. IAR/B/338-1. Menagesha, Shoa Province.
- 387111. IAR/B/338-2. Menagesha, Shoa Province.
- 387112. IAR/B/338-3. Menagesha, Shoa Province.
- 387113. IAR/B/339-1. Chacha, Shoa Province.
- 387114. IAR/B/339-2. Chacha, Shoa Province.
- 387115. IAR/B/340-1. Debre Berhan, Shoa Province.
- 387116. IAR/B/340-2. Debre Berhan, Shoa Province.
- 387117. IAR/B/341-3. Jibat and Mecha, Shoa Province.
- 387118. IAR/B/342-1. Debre Berhan, Shoa Province.
- 387119. IAR/B/342-2. Debre Berhan, Shoa Province.
- 387120. IAR/B/343-1. Menagesha, Shoa Province.
- 387121. IAR/B/343-2. Menagesha, Shoa Province.
- 387122. IAR/B/343-3. Menagesha, Shoa Province.
- 387123. IAR/B/344. Yerer and Kereyu, Shoa Province.
- 387124. IAR/B/345-2. Menagesha, Shoa Province.
- 387125. IAR/B/346-1. Chancho, Shoa Province.
- 387126. IAR/B/346-2. Chancho, Shoa Province.
- 387127. IAR/B/347-1. Debre Berhan, Shoa Province.
- 387128. IAR/B/347-2. Debre Berhan, Shoa Province.
- 387129. IAR/B/348-1. Debre Berhan, Shoa Province.
- 387130. IAR/B/348-2. Debre Berhan, Shoa Province.
- 387131. IAR/B/349-1. Baso, Shoa Province.
- 387132. IAR/B/350-2.
- 387133. IAR/B/351-2. Menagesha, Shoa Province.
- 387134. IAR/B/351-3. Menagesha, Shoa Province.
- 387135. IAR/B/352. Menagesha, Shoa Province.
- 387136. IAR/B/357-1. Baso, Shoa Province.
- 387137. IAR/B/358-2. Chacha, Shoa Province.

386351 to 387798—Continued**386830 to 387250—Continued**

- 387138. IAR/B/358-4. Chacha, Shoa Province.
- 387139. IAR/B/359-1. Chancho, Shoa Province.
- 387140. IAR/B/360-1. Menagesha, Shoa Province.
- 387141. IAR/B/360-2. Menagesha, Shoa Province.
- 387142. IAR/B/363-1. Chacha, Shoa Province.
- 387143. IAR/B/367-1. Baso, Shoa Province.
- 387144. IAR/B/367-2. Baso, Shoa Province.
- 387145. IAR/B/367-3. Baso, Shoa Province.
- 387146. IAR/B/367-4. Baso, Shoa Province.
- 387147. IAR/B/368-1. Menagesha, Shoa Province.
- 387148. IAR/B/368-2. Menagesha, Shoa Province.
- 387149. IAR/B/368-3. Menagesha, Shoa Province.
- 387150. IAR/B/372-1. Menagesha, Shoa Province.
- 387151. IAR/B/373-1. Menagesha, Shoa Province.
- 387152. IAR/B/373-2.
- 387153. IAR/B/375-1. Yerer and Kereyu, Shoa Province.
- 387154. IAR/B/378-3. Jibat and Mecha, Shoa Province.
- 387155. IAR/B/379. Menagesha, Shoa Province.
- 387156. IAR/B/382-1.
- 387157. IAR/B/382-2.
- 387158. IAR/B/382-3.
- 387159. IAR/B/384-1. Tegulet and Bulga, Shoa Province.
- 387160. IAR/B/388. Debre Berhan, Shoa Province.
- 387161. IAR/B/389-1. Debre Berhan, Shoa Province.
- 387162. IAR/B/392-1. Sheno, Shoa Province.
- 387163. IAR/B/392-2. Sheno, Shoa Province.
- 387164. IAR/B/395-1. Selale, Shoa Province.
- 387165. IAR/B/397-1. Menagesha, Shoa Province.
- 387166. IAR/B/397-2. Menagesha, Shoa Province.
- 387167. IAR/B/408-1. Ginchi, Shoa Province.
- 387168. IAR/B/409-1.
- 387169. IAR/B/409-2.
- 387170. IAR/B/412-1. Shoa Province.
- 387171. IAR/B/412-2. Shoa Province.
- 387172. IAR/B/414-1. Shoa Province.
- 387173. IAR/B/414-2. Shoa Province.
- 387174. IAR/B/415-2. Shoa Province.
- 387175. IAR/B/415-3. Shoa Province.
- 387176. IAR/B/416. Shoa Province.
- 387177. IAR/B/417-3. Shoa Province.
- 387178. IAR/B/418. Shoa Province.
- 387179. IAR/B/423.
- 387180. IAR/B/425-1. Shoa Province.

386351 to 387798—Continued**386830 to 387250—Continued**

- 387181. IAR/B/425-2. Shoa Province.
- 387182. IAR/B/425-3. Shoa Province.
- 387183. IAR/B/426. Agere Selam, Sidamo Province.
- 387184. IAR/B/427. Alta Wein, Sidamo Province.
- 387185. IAR/B/428-1. Alta Wein, Sidamo Province.
- 387186. IAR/B/428-2. Alta Wein, Sidamo Province.
- 387187. IAR/B/432-1. Agere Selam, Sidamo Province.
- 387188. IAR/B/432-2. Agere Selam, Sidamo Province.
- 387189. IAR/B/433. Alta Wein, Sidamo Province.
- 387190. IAR/B/437.
- 387191. IAR/B/438. Wukro, Tigre Province.
- 387192. IAR/B/439. Rayana Azebo, Tigre Province.
- 387193. IAR/B/440. Enderta, Tigre Province.
- 387194. IAR/B/449. Rayana Azebo, Tigre Province.
- 387195. IAR/B/450. Rayana Azebo, Tigre Province.
- 387196. IAR/B/463-1. Welaka, Begemdir Province.
- 387197. IAR/B/463-2. Weleka, Begemdir Province.
- 387198. IAR/B/463-3. Weleka, Begemdir Province.
- 387199. IAR/B/466-1. Weleka, Begemdir Province.
- 387200. IAR/B/466-2. Weleka, Begemdir Province.
- 387201. IAR/B/467-2. Weleka, Begemdir Province.
- 387202. IAR/B/473. Adi Ugri, Eritrea Province.
- 387203. IAR/B/482. Debre Sina (Jebo Wasja), Shoa Province.
- 387204. IAR/B/484. Gojam Road (Near Begre Guracha), Shoa Province.
- 387205. IAR/B/485. Gojam Road (Near Gebre Guracha), Shoa Province.
- 387206. IAR/B/487. Jib Washa, Shoa Province.
- 387207. IAR/B/488. Jib Washa, Shoa Province.
- 387208. IAR/B/489. Jib Washa, Shoa Province.
- 387209. IAR/B/490-1. Fitcha, Shoa Province.
- 387210. IAR/B/491. Walage (Axum), Tigre Province.
- 387211. IAR/B/492-1. Walage (Axum), Tigre Province.
- 387212. IAR/B/492-2. Walage (Axum), Tigre Province.
- 387213. IAR/B/497. Walage Mariam, Tigre Province.
- 387214. IAR/B/498. Walage Mariam, Tigre Province.
- 387215. IAR/B/499-1. Worphat (Adigrat), Tigre Province.
- 387216. IAR/B/499-2. Worphat (Adigrat), Tigre Province.
- 387217. IAR/B/500-1. Worphat (Adigrat), Tigre Province.
- 387218. IAR/B/500-2. Worphat (Adigrat), Tigre Province.
- 387219. IAR/B/501. Worphat (Adigrat), Tigre Province.
- 387220. IAR/B/502-1. Road from Asmara to Addis, Tigre Province.
- 387221. IAR/B/502-3. Road from Asmara to Addis, Tigre Province.
- 387222. IAR/B/503-3. Road to Asmara to Addis, Tigre Province.

386351 to 387798—Continued**386830 to 387250—Continued**

387223. IAR/B/504-1. Alagee, Tigre Province.
 387224. IAR/B/504-2. Alagee, Tigre Province.
 387225. IAR/B/505-1. Alagee, Tigre Province.
 387226. IAR/B/506-1. Alagee, Tigre Province.
 387227. IAR/B/506-4. Alagee, Tigre Province.
 387228. IAR/B/508. Road from Mekele to Addis, Tigre Province.
 387229. IAR/B/511-3. Wollencomi, Shoa Province.
 387230. IAR/B/514-1. Dire Dawa, Hararge Province.
 387231. IAR/B/514-2. Dire Dawa, Hararge Province.
 387232. IAR/B/514-3. Dire Dawa, Hararge Province.
 387233. IAR/B/515-1. Ankober, Shoa Province.
 387234. IAR/B/515-2. Ankober, Shoa Province.
 387235. IAR/B/516-3. Ambo Market, Shoa Province.
 387236. IAR/B/517-2. Debre Berhan, Shoa Province.
 387237. IAR/B/518-2. Ankober, Shoa Province.
 387238. IAR/B/519. Wollega Market, Shoa Province.
 387239. IAR/B/521-2. Wollencomi, Shoa Province.
 387240. IAR/B/521-3. Wollencomi, Shoa Province.
 387241. IAR/B/522. Ambo Market, Shoa Province.
 387242. IAR/B/523. Wollencomi Market, Shoa Province.
 387243. IAR/B/524-1. Ambo Market, Shoa Province.
 387244. IAR/B/542-2. Ambo Market, Shoa Province.
 387245. IAR/B/525-1. Nekemt, Wollega Province.
 387246. IAR/B/525-2. Nekemt, Wollega Province.
 387247. IAR/B/528-1. Ambo Market, Shoa Province.
 387248. IAR/B/528-2. Ambo Market, Shoa Province.
 387249. IAR/B/528-3. Ambo Market, Shoa Province.
 387250. IAR/B/528-4. Ambo Market, Shoa Province.

387251 to 387798. TRITICUM AESTIVUM L. Gramineae. Common wheat.

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|--------------------|---------------------|
| 387251. IAR/W/1-1. | 387265. IAR/W/5-2. |
| 387252. IAR/W/1-2. | 387266. IAR/W/5-3. |
| 387253. IAR/W/1-3. | 387267. IAR/W/5-4. |
| 387254. IAR/W/2-1. | 386268. IAR/W/6-1. |
| 387255. IAR/W/2-2. | 387269. IAR/W/6-2. |
| 387256. IAR/W/3-1. | 387270. IAR/W/6-3. |
| 387257. IAR/W/3-2. | 387271. IAR/W/7-1. |
| 387258. IAR/W/3-3. | 387272. IAR/W/7-2. |
| 387259. IAR/W/3-4. | 387273. IAR/W/8-1. |
| 387260. IAR/W/3-5. | 387274. IAR/W/8-2. |
| 387261. IAR/W/4-1. | 387275. IAR/W/8-3. |
| 387262. IAR/W/4-2. | 387276. IAR/W/9-1. |
| 387263. IAR/W/4-3. | 387277. IAR/W/9-2. |
| 387264. IAR/W/5-1. | 387278. IAR/W/10-1. |

386351 to 387798—Continued**387251 to 387798—Continued**

387279.	IAR/W/10-2.	387322.	IAR/W/28.
387280.	IAR/W/10-3.	387323.	IAR/W/29-1.
387281.	IAR/W/11-1.	387324.	IAR/W/29-2.
387282.	IAR/W/11-2.	387325.	IAR/W/29-3.
387283.	IAR/W/12-1.	387326.	IAR/W/29-4.
387284.	IAR/W/12-2.	387327.	IAR/W/30-1.
387285.	IAR/W/12-3.	387328.	IAR/W/30-2.
387286.	IAR/W/13-1.	387329.	IAR/W/30-3.
387287.	IAR/W/13-2.	387330.	IAR/W/31-1.
387288.	IAR/W/14-1.	387331.	IAR/W/31-2.
387289.	IAR/W/14-2.	387332.	IAR/W/31-3.
387290.	IAR/W/15-1.	387333.	IAR/W/31-4.
387291.	IAR/W/15-2.	387334.	IAR/W/32-1.
387292.	IAR/W/15-3.	387335.	IAR/W/32-2.
387293.	IAR/W/16.	387336.	IAR/W/33-1.
387294.	IAR/W/17-1.	387337.	IAR/W/33-2.
387295.	IAR/W/17-2.	387338.	IAR/W/33-3.
387296.	IAR/W/17-3.	387339.	IAR/W/33-4.
387297.	IAR/W/18-1.	387340.	IAR/W/34-1.
387298.	IAR/W/18-2.	387341.	IAR/W/34-2.
387299.	IAR/W/19.	387342.	IAR/W/35-1.
387300.	IAR/W/20-1.	387343.	IAR/W/35-2.
387301.	IAR/W/20-2.	387344.	IAR/W/36-1.
387302.	IAR/W/21-1.	387345.	IAR/W/36-2.
387303.	IAR/W/21-2.	387346.	IAR/W/36-3.
387304.	IAR/W/21-3.	387347.	IAR/W/36-4.
387305.	IAR/W/22-1.	387348.	IAR/W/37-1.
387306.	IAR/W/22-2.	387349.	IAR/W/37-2.
387307.	IAR/W/22-3.	387350.	IAR/W/37-3.
387308.	IAR/W/23.	387351.	IAR/W/37-4.
387309.	IAR/W/24-1.	387352.	IAR/W/38-1.
387310.	IAR/W/24-2.	387353.	IAR/W/38-2.
387311.	IAR/W/25-1.	387354.	IAR/W/39-1.
387312.	IAR/W/25-2.	387355.	IAR/W/39-2.
387313.	IAR/W/25-3.	387356.	IAR/W/39-3.
387314.	IAR/W/25-4.	387357.	IAR/W/39-4.
387315.	IAR/W/25-5.	387358.	IAR/W/39-5.
387316.	IAR/B/26-1.	387359.	IAR/W/40-1.
387317.	IAR/W/26-2.	387360.	IAR/W/40-2.
387318.	IAR/W/26-3.	387361.	IAR/W/40-3.
387319.	IAR/W/26-4.	387362.	IAR/W/41-1.
387320.	IAR/W/27-1.	387363.	IAR/W/41-2.
387321.	IAR/W/27-2.	387364.	IAR/W/42-1.
		387365.	IAR/W/42-2.

386351 to 387798—Continued**387251 to 387798—Continued**

387366.	IAR/W/42-3.	387410.	IAR/W/58-2.
387367.	IAR/W/43-1.	387411.	IAR/W/58-3.
387368.	IAR/W/43-2.	387412.	IAR/W/59-1.
387369.	IAR/W/44-1.	387413.	IAR/W/59-2.
387370.	IAR/W/44-2.	387414.	IAR/W/59-3.
387371.	IAR/W/44-3.	387415.	IAR/W/60-1.
387372.	IAR/W/45-1.	387416.	IAR/W/60-2.
387373.	IAR/W/45-2.	387417.	IAR/W/60-3.
387374.	IAR/W/46-1.	387418.	IAR/W/60-4.
387375.	IAR/W/46-2.	387419.	IAR/W/61.
387376.	IAR/W/47-1.	387420.	IAR/W/62-1.
387377.	IAR/W/47-2.	387421.	IAR/W/62-2.
387378.	IAR/W/47-3.	387422.	IAR/W/63-1.
387379.	IAR/W/48-1.	387423.	IAR/W/63-2.
387380.	IAR/W/48-2.	387424.	IAR/W/63-3.
387381.	IAR/W/48-3.	387425.	IAR/W/64-1.
387382.	IAR/W/48-4.	387426.	IAR/W/64-2.
387383.	IAR/W/49-1.	387427.	IAR/W/64-3.
387384.	IAR/W/49-2.	387428.	IAR/W/65-1.
387385.	IAR/W/49-3.	387429.	IAR/W/65-2.
387386.	IAR/W/50-1.	387430.	IAR/W/66-1.
387387.	IAR/W/50-2.	387431.	IAR/W/66-2.
387388.	IAR/W/50-3.	387432.	IAR/W/67-1.
387389.	IAR/W/50-4.	387433.	IAR/W/67-2.
387390.	IAR/W/50-5.	387434.	IAR/W/67-3.
387391.	IAR/W/51-1.	387435.	IAR/W/68-1.
387392.	IAR/W/51-2.	387436.	IAR/W/68-2.
387393.	IAR/W/51-3.	387437.	IAR/W/68-3.
387394.	IAR/W/52.	387438.	IAR/W/69-1.
387395.	IAR/W/53-1.	387439.	IAR/W/69-2.
387396.	IAR/W/53-2.	387440.	IAR/W/69-3.
387397.	IAR/W/54-1.	387441.	IAR/W/70-1.
387398.	IAR/W/54-2.	387442.	IAR/W/70-2.
387399.	IAR/W/55-1.	387443.	IAR/W/70-3.
387400.	IAR/W/55-2.	387444.	IAR/W/70-4.
387401.	IAR/W/55-3.	387445.	IAR/W/71.
387402.	IAR/W/56-1.	387446.	IAR/W/72-1.
387403.	IAR/W/56-2.	387447.	IAR/W/72-2.
387404.	IAR/W/56-3.	387448.	IAR/W/72-3.
387405.	IAR/W/56-4.	387449.	IAR/W/73-1.
387406.	IAR/W/57-1.	387450.	IAR/W/73-2.
387407.	IAR/W/57-2.	387451.	IAR/W/73-3.
387408.	IAR/W/57-3.	387452.	IAR/W/74-1.
387409.	IAR/W/58-1.	387453.	IAR/W/74-2.

386351 to 387798—Continued**387251 to 387798—Continued**

387454.	IAR/W/75-1.	387498.	IAR/W/92-1.
387455.	IAR/W/75-2.	387499.	IAR/W/92-2.
387456.	IAR/W/75-3.	387500.	IAR/W/92-3.
387457.	IAR/W/75-4.	387501.	IAR/W/93-1.
387458.	IAR/W/76-1.	387502.	IAR/W/93-2.
387459.	IAR/W/76-2.	387503.	IAR/W/93-3.
387460.	IAR/W/77-1.	387504.	IAR/W/94-1.
387461.	IAR/W/77-2.	387505.	IAR/W/94-2.
387462.	IAR/W/77-3.	387506.	IAR/W/94-3.
387463.	IAR/W/78-1.	387507.	IAR/W/94-4.
387464.	IAR/W/78-2.	387508.	IAR/W/95-1.
387465.	IAR/W/79-1.	387509.	IAR/W/95-2.
387466.	IAR/W/79-2.	387510.	IAR/W/95-3.
387467.	IAR/W/80-1.	387511.	IAR/W/96-1.
387468.	IAR/W/80-2.	387512.	IAR/W/96-2.
387469.	IAR/W/80-3.	387513.	IAR/W/96-3.
387470.	IAR/W/81-1.	387514.	IAR/W/96-4.
387471.	IAR/W/81-2.	387515.	IAR/W/97-1.
387472.	IAR/W/82-1.	387516.	IAR/W/97-2.
387473.	IAR/W/82-2.	387517.	IAR/W/98-1.
387474.	IAR/W/83-1.	387518.	IAR/W/98-2.
387475.	IAR/W/83-2.	387519.	IAR/W/98-3.
387476.	IAR/W/83-3.	387520.	IAR/W/98-4.
387477.	IAR/W/84-1.	387521.	IAR/W/99.
387478.	IAR/W/84-2.	387522.	IAR/W/100.
387479.	IAR/W/85-1.	387523.	IAR/W/101-1.
387480.	IAR/W/85-2.	387524.	IAR/W/101-2.
387481.	IAR/W/86-1.	387525.	IAR/W/101-3.
387482.	IAR/W/86-2.	387526.	IAR/W/102-1.
387483.	IAR/W/87-1.	387527.	IAR/W/102-2.
387484.	IAR/W/87-2.	387528.	IAR/W/102-3.
387485.	IAR/W/87-3.	387529.	IAR/W/103-1.
387486.	IAR/W/88-1.	387530.	IAR/W/103-2.
387487.	IAR/W/88-2.	387531.	IAR/W/103-3.
387488.	IAR/W/88-3.	387532.	IAR/W/104-1.
387489.	IAR/W/88-4.	387533.	IAR/W/104-2.
387490.	IAR/W/89-1.	387534.	IAR/W/105.
387491.	IAR/W/89-2.	387535.	IAR/W/106-1.
387492.	IAR/W/90-1.	387536.	IAR/W/106-2.
387493.	IAR/W/90-2.	387537.	IAR/W/106-3.
387494.	IAR/W/90-3.	387538.	IAR/W/107-1.
387495.	IAR/W/91-1.	387539.	IAR/W/107-2.
387496.	IAR/W/91-2.	387540.	IAR/W/108-1.
387497.	IAR/W/91-3.	387541.	IAR/W/108-2.

386351 to 387798—Continued**387251 to 387798—Continued**

387542. IAR/W/109.	387586. IAR/W/126-2.
387543. IAR/W/110-1.	387587. IAR/W/126-3.
387544. IAR/W/110-2.	387588. IAR/W/126-4.
387545. IAR/W/110-3.	387589. IAR/W/127.
387546. IAR/W/111-1.	387590. IAR/W/128-1.
387547. IAR/W/111-2.	387591. IAR/W/128-2.
387548. IAR/W/111-3.	387592. IAR/W/128-3.
387549. IAR/W/112-1.	387593. IAR/W/128-4.
387550. IAR/W/112-2.	387594. IAR/W/128-5.
387551. IAR/W/112-3.	387595. IAR/W/129-1.
387552. IAR/W/113-1.	387596. IAR/W/129-2.
387553. IAR/W/113-2.	387597. IAR/W/129-3.
387554. IAR/W/114-1.	387598. IAR/W/130-1.
387555. IAR/W/114-2.	387599. IAR/W/130-2.
387556. IAR/W/115-1.	387600. IAR/W/130-3.
387557. IAR/W/115-2.	387601. IAR/W/131-1.
387558. IAR/W/115-3.	387602. IAR/W/131-2.
387559. IAR/W/116-1.	387603. IAR/W/131-3.
387560. IAR/W/116-2.	387604. IAR/W/132.
387561. IAR/W/117-1.	387605. IAR/W/133-1.
387562. IAR/W/117-2.	387606. IAR/W/133-2.
387563. IAR/W/117-3.	387607. IAR/W/133-3.
387564. IAR/W/117-4.	387608. IAR/W/134-1.
387565. IAR/W/118-1.	387609. IAR/W/134-2.
387566. IAR/W/118-2.	387610. IAR/W/135-1.
387567. IAR/W/118-3.	387611. IAR/W/135-2.
387568. IAR/W/118-4.	387612. IAR/W/135-3.
387569. IAR/W/119.	387613. IAR/W/135-4.
387570. IAR/W/120.	387614. IAR/W/136-1.
387571. IAR/W/121-1.	387615. IAR/W/136-2.
387572. IAR/W/121-2.	387616. IAR/W/136-3.
387573. IAR/W/121-3.	387617. IAR/W/137-1.
387574. IAR/W/121-4.	387618. IAR/W/137-2.
387575. IAR/W/121-5.	387619. IAR/W/138-1.
387576. IAR/W/121-6.	387620. IAR/W/138-2.
387577. IAR/W/122-1.	387621. IAR/W/138-3.
387578. IAR/W/122-2.	387622. IAR/W/139-1.
387579. IAR/W/122-3.	387623. IAR/W/139-2.
387580. IAR/W/123.	387624. IAR/W/140-1.
387581. IAR/W/124.	387625. IAR/W/140-2.
387582. IAR/W/125-1.	387626. IAR/W/141-1.
387583. IAR/W/125-2.	387627. IAR/W/141-2.
387584. IAR/W/125-3.	387628. IAR/W/141-3.
387585. IAR/W/126-1.	387629. IAR/W/142.

386351 to 387798—Continued**387251 to 387798—Continued**

387630.	IAR/W/143-1.	387674.	IAR/W/160-2.
387631.	IAR/W/143-2.	387675.	IAR/W/160-3.
387632.	IAR/W/143-3.	387676.	IAR/W/161-1.
387633.	IAR/W/143-4.	387677.	IAR/W/161-2.
387634.	IAR/W/144-1.	387678.	IAR/W/162-1.
387635.	IAR/W/144-2.	387679.	IAR/W/162-2.
387636.	IAR/W/144-3.	387680.	IAR/W/163-1.
387637.	IAR/W/145-1.	387681.	IAR/W/163-2.
387638.	IAR/W/145-2.	387682.	IAR/W/163-3.
387639.	IAR/W/145-3.	387683.	IAR/W/164-1.
387640.	IAR/W/146-1.	387684.	IAR/W/164-2.
387641.	IAR/W/146-2.	387685.	IAR/W/165-1.
387642.	IAR/W/146-3.	387686.	IAR/W/165-2.
387643.	IAR/W/146-4.	387687.	IAR/W/165-3.
387644.	IAR/W/147.	387688.	IAR/W/166-1.
387645.	IAR/W/148-1.	387689.	IAR/W/166-2.
387646.	IAR/W/148-2.	387690.	IAR/W/166-3.
387647.	IAR/W/149-1.	387691.	IAR/W/167-1.
387648.	IAR/W/149-2.	387692.	IAR/W/167-2.
387649.	IAR/W/150-1.	387693.	IAR/W/168.
387650.	IAR/W/150-2.	387694.	IAR/W/169-1.
387651.	IAR/W/151-1.	387695.	IAR/W/169-2.
387652.	IAR/W/151-2.	387696.	IAR/W/170-1.
387653.	IAR/W/152-1.	387697.	IAR/W/170-2.
387654.	IAR/W/152-2.	387698.	IAR/W/170-3.
387655.	IAR/W/153-1.	387699.	IAR/W/171-1.
387656.	IAR/W/153-2.	387700.	IAR/W/171-2.
387657.	IAR/W/153-3.	387701.	IAR/W/172-1.
387658.	IAR/W/153-4.	387702.	IAR/W/172-2.
387659.	IAR/W/154-1.	387703.	IAR/W/173-1.
387660.	IAR/W/154-2.	387704.	IAR/W/173-2.
387661.	IAR/W/154-3.	387705.	IAR/W/174-1.
387662.	IAR/W/155-1.	387706.	IAR/W/174-2.
387663.	IAR/W/155-2.	387707.	IAR/W/174-3.
387664.	IAR/W/155-3.	387708.	IAR/W/175-1.
387665.	IAR/W/156-1.	387709.	IAR/W/175-2.
387666.	IAR/W/156-2.	387710.	IAR/W/175-3.
387667.	IAR/W/157-1.	387711.	IAR/W/176.
387668.	IAR/W/157-2.	387712.	IAR/W/177-1.
387669.	IAR/W/158-1.	387713.	IAR/W/177-2.
387670.	IAR/W/158-2.	387714.	IAR/W/177-3.
387671.	IAR/W/159-1.	387715.	IAR/W/178-1.
387672.	IAR/W/159-2.	387716.	IAR/W/178-2.
387673.	IAR/W/160-1.	387717.	IAR/W/179-1.

386351 to 387798—Continued**387251 to 387798—Continued**

387718.	IAR/W/179-2.	387759.	IAR/W/194-2.
387719.	IAR/W/180-1.	387760.	IAR/W/194-3.
387720.	IAR/W/180-2.	387761.	IAR/W/195-1.
387721.	IAR/W/180-3.	387762.	IAR/W/195-2.
387722.	IAR/W/180-4.	387763.	IAR/W/196-1.
387723.	IAR/W/181-1.	387764.	IAR/W/196-2.
387724.	IAR/W/181-2.	387765.	IAR/W/197.
387725.	IAR/W/181-3.	387766.	IAR/W/198.
387726.	IAR/W/182-1.	387767.	IAR/W/199.
387727.	IAR/W/182-2.	387768.	IAR/W/200.
387728.	IAR/W/182-3.	387769.	IAR/W/201.
387729.	IAR/W/183-1.	387770.	IAR/W/202-1.
387730.	IAR/W/183-2.	387771.	IAR/W/202-2.
387731.	IAR/W/183-3.	387772.	IAR/W/203.
387732.	IAR/W/183-4.	387773.	IAR/W/204.
387733.	IAR/W/184-1.	387774.	IAR/W/205-1.
387734.	IAR/W/184-2.	387775.	IAR/W/205-2.
387735.	IAR/W/184-3.	387776.	IAR/W/206-1.
387736.	IAR/W/185-1.	387777.	IAR/W/206-2.
387737.	IAR/W/185-2.	387778.	IAR/W/207.
387738.	IAR/W/185-3.	387779.	IAR/W/208.
387739.	IAR/W/186-1.	387780.	IAR/W/209-1.
387740.	IAR/W/186-2.	387781.	IAR/W/209-2.
387741.	IAR/W/186-3.	387782.	IAR/W/209-3.
387742.	IAR/W/187-1.	387783.	IAR/W/210-1.
387743.	IAR/W/187-2.	387784.	IAR/W/210-2.
387744.	IAR/W/188-1.	387785.	IAR/W/211-1.
387745.	IAR/W/188-2.	387786.	IAR/W/211-2.
387746.	IAR/W/188-3.	387787.	IAR/W/212-1.
387747.	IAR/W/189-1.	387788.	IAR/W/212-2.
387748.	IAR/W/189-2.	387789.	IAR/W/213-1.
387749.	IAR/W/190-1.	387790.	IAR/W/213-2.
387750.	IAR/W/190-2.	387791.	IAR/W/214-1.
387751.	IAR/W/190-3.	387792.	IAR/W/214-2.
387752.	IAR/W/191-1.	387793.	IAR/W/215-1.
387753.	IAR/W/191-2.	387794.	IAR/W/215-2.
387754.	IAR/W/192-1.	387795.	IAR/W/216.
387755.	IAR/W/192-2.	387796.	IAR/W/217-1.
387756.	IAR/W/193-1.	387797.	IAR/W/217-2.
387757.	IAR/W/193-2.	387798.	IAR/W/217-3.
387758.	IAR/W/194-1.		

387799. ACACIA MONILIFORMIS Griseb. Leguminosae.

From Argentina. Seed presented by G. B. Moreno, Las Invernadas, Buenos Aires. Received April 26, 1974.

Town near Catamarca City.

387800 and 387801.

From Costa Rica. Plants presented by R. G. Wilson, San Vito De Java.
Received April 13, 1974.

387800. ANTHURIUM sp. Araceae.

Leaves long-oblong. Flowers small, green, short stalked. Fruits bright red.

387801. ANTHURIUM sp.

Leaves long-oblong.

387802. × RAPHANOBASSICA Cruciferae. Radage.

From Union of Soviet Socialist Republics. Seed presented by N. I. Vavilov
Institute of Plant Industry, Leningrad. Received April 30, 1974.

'Salatnyj'. Leningrad Region.

387803. FRAXINUS MARIESII Hook. f. Oleaceae. Maries ash.

From France. Seed presented by Ecole Nationale des Ingenieurs des Travaux
des Eaux and Forets, Arboretum des Barres, Nogent-Sur-Vernisson. Code
number refers to 1974 Seed Catalog. Received May 10, 1974.

136.

387804 and 387805. FRAGARIA VESCA L. Rosaceae.

European strawberry.

From Italy. Plants presented by Instituto Sperimentale per la Frutticoltura,
Ciampino Aeroporto, Rome. Received May 3, 1974.

387804. 'Attili'.

387805. 'Cesenate'.

387806. CALTHA PALUSTRIS L. Ranunculaceae.

From France. Seed presented by Jardin Botanique de la Ville, Dijon. Received
May 8, 1974.

Mouthe, Doubs Department.

387807 to 387812.

From Belgium. Seed presented by Bestuur Van de Plantentuin, Der Rijksuniver-
siteit, Gent. Code numbers refer to 1973 Index Seminum. Received April
16, 1974.

387807. RHIPSALIS ANCEPS A. Weber Cactaceae.

1039.

387808. RHIPSALIS ELLIPTICA G. A. Lindb. ex K. Schum.

1041.

387809. RHIPSALIS FUNALIS Salm-Dyck ex DC.

1042.

387810. RHIPSALIS HADROSOMA Lindb.

1043.

387811. RHIPSALIS HOULLETIANA Lem.

1044.

387812. RHIPSALIS PENTAPTERA Pfeiff.

1045.

387813. IMPATIENS HOCHSTETTERI Warb. Balsaminaceae.

From Kenya. Seed collected by R. W. Spjut and P. D. Ensor, Medicinal Plant
Resources Laboratory, Agricultural Research Service, Agricultural Re-
search Center, Beltsville, Maryland. Received March 14, 1974.

3103. Near Chegoibe Tea Estate (airfield), 8 km south of Kericho. Rift Valley
Province, Kericho District, western border of Mau Escarpment. Elevation 2,133
m. Moist, semi-deciduous montane forest.

387814 to 387818. DIOSPYROS KAKI L. f. Ebenaceae.**Kaki persimmon.**

From Japan. Scions presented by T. Akihama, Fruit Tree Research Station, Ministry of Agriculture and Forestry, Hiratsuka, Kanagawa. Received May 1, 1974.

387814. 'Horatanenashi'. Pollination variant, female flower only. Fruit astringent, matures in early October. Seedless cultivar.

387815. 'Ichigikei Jiro'. Pollination constant, female flower only. Fruit nonastringent, matures in early October.

387816. 'Matsumoto Wase Fuyu'. Pollination constant, female flower only. Fruit nonastringent, matures in mid-October.

387817. 'Suruga'. Pollination constant, female flower only. Fruit nonastringent, matures in mid-November. New cultivar.

387818. 'Zenjimarū'. Pollination variant, many male flowers. Fruit nonastringent, matures in early October.

387819 to 387821.

From Thailand. Seed collected April 1973, by P. F. Knowles, Department of Agronomy and Range Science, University of California, Davis, California. Received May 9, 1974.

387819. BRASSICA NAPUS L. Cruciferae. **Rape.**
Grown by hill tribes in Doi Pue, west of Chiang Mai.

387820 and 387821. CARTHAMUS TINCTORIUS L. Compositae. **Safflower.**

387820. Mae Jo Research Station, north of Chiang Mai.

387821. Bazaar, Chiang Mai.

387822 and 387823.

From Canada. Seed presented by Normand Cornellier, Montreal Botanical Garden, Montreal. Received April 24, 1974.

387822. CALLA PALUSTRIS f. POLYSPATHACEA Vict. & Rousseau Araceae.
81.

387823. CALTHA PALUSTRIS L. Ranunculaceae.
82.

387824 to 387874.

From Bolivia. Plant material collected by H. F. Winters, Germplasm Resources Laboratory, Agricultural Research Service, Beltsville, Maryland. Received May 28, 1974.

387824 to 387830. ARACHIS HYPOGAEA L. Leguminosae. **Peanut.**

387824. W-897. From local farm near Experiment Station at Chipiriri, Cochabamba Province. Cultivated. Seed.

387825. W-905. Villa Porvenir, Cochabamba Province. Cultivated. Seed.

387826. W-906. Villa Porvenir, Cochabamba Province. Nuts large. Cultivated. Seed.

387827. W-913. Road to Cochabamba, 41 km from Villa Tunari, Cochabamba Province. Cultivated. Seed.

387828. W-914. Road to Cochabamba, 41 km from Villa Tunari, Cochabamba Province. Cultivated. Seed.

387829. W-930. Parinini, Coripata, Nor Yungas, La Paz Province. Cultivated. Seed.

387830. W-933. Los Anguia, Coripata, Nor Yungas, La Paz Province. Local name Mani. Cultivated. Seed.

387824 to 387874—Continued

- 387831.** *BIXA ORELLANA* L. Bixaceae. **Annatto-tree.**
W-902. San Francisco, Cochabamba Province. Tall woody shrub with spiny fruits. Pods larger than on other plants in this area. Local name Achiote. Cultivated. Seed.
- 387832.** *CAPSICUM* sp. Solanaceae.
W-908. Villa Porvenir, Cochabamba Province. Fruit 1 cm long, extremely pungent. Drying in farmyard. Local name Aribibi. Cultivated. Seed.
- 387833.** *CAPSICUM* sp.
W-909. Villa Porvenir, Cochabamba Province. Fruit 2.5 cm long, ovoid, red. Drying in farmyard. Local name Locato. Cultivated. Seed.
- 387834.** *CAPSICUM* sp.
W-910. Villa Porvenir, Cochabamba Province. Fruit 3 cm long, ovoid, yellow. Local name Locato. Cultivated. Seed.
- 387835.** *CAPSICUM* sp.
W-911. Villa Porvenir, Cochabamba Province. Fruit 5 cm long, ovoid, dark red. Local name Locato. Cultivated. Seed.
- 387836.** *CAPSICUM* sp.
W-912. Villa Tunari, Cochabamba Province. Plant slender to 1 m tall. Fruit 3 cm long, obconical, red. Local name Locato. Cultivated. Seed.
- 387837.** *CAPSICUM* sp.
W-918. Grounds of Prefectural Hotel, Coroico, La Paz Province. Lax subshrub to 2 m tall. Flowers purple. Fruit to 3 cm long, red, two-celled. Seed black, large. Local name Locato. Cultivated. Seed.
- 387838.** *CAPSICUM* sp.
W-931. Coripata, Nor Yungas, La Paz Province. Pungent. Fruit to 3 cm long, yellow. Seed black. Local name Locato. Cultivated. Seed.
- 387839.** *CAPSICUM* sp.
W-932. Coripata, La Paz Province. Pungent. Fruit 3 cm long, obovate, red, two-celled. Seed black. Cultivated. Seed.
- 387840.** *CINCHONA* sp. Rubiaceae.
W-935. Five km toward Coripata from Coroico, Los Yungas, La Paz Province. Shrub with pink flowers. Wild. Seed.
- 387841.** *COBAEA SCANDENS* Cav. Polemoniaceae.
W-922. Experimental Station, San Pedro, Coroico, La Paz Province. Elevation 1,740 m. Vine clambering over tree. Flowers violet. Wild. Seed.
- 387842.** *CUCURBITA* sp. Cucurbitaceae.
W-940. Market in La Paz. Fruit medium to very large, mottled green and white. Seed large, flesh thick, orange. Local name Zapalo. Cultivated. Seed.
- 387843.** *CYCLANTHERA PEDATA* (L.) Schrad. Cucurbitaceae.
W-920. Coroico, La Paz Province. High climbing, herbaceous vine with inflated, long-ovate fruits to 10 cm long. Seed black, no wet pulp. Fruit harvested green, eaten stuffed with meat. Local name Achocha. Cultivated. Seed.
- 387844.** *CYPHOMANDRA BETACEA* (Cav.) Sendt. Solanaceae. **Tree-tomato.**
W-928. Paco, Coroico, La Paz Province. Semiwoody shrub to 2 m tall. Fruit purplish red. Cultivated. Seed.
- 387845.** *CYPHOMANDRA* sp.
W-896. Grounds of Sumuque Hotel, Villa Tunari, Cochabamba Province. Subwoody shrub to 3 m tall. Flowers greenish yellow with orange-brown anthers. Fruits ovoid, to 4 cm long, orange. Wild. Seed.
- 387846 and 387847.** *DIOSCOREA BULBIFERA* L. Dioscoreaceae.
387846. W-903. San Francisco, Cochabamba Province. Herbaceous vine with aerial tubers of whitish color. Wild. Tubers.
387847. W-904. San Francisco, Cochabamba Province. Herbaceous vine with aerial tubers of brownish color. Wild. Tubers.

387824 to 387874—Continued

387848 and 387849. DOLICHOS LABLAB L. Leguminosae.

387848. W-907. San Francisco, Cochabamba Province. Vigorous vine with white flowers. Seed tan colored. Cultivated. Seed.

387849. W-919. Grounds of Prefectural Hotel, Coroico, La Paz Province. High, climbing vine to 4 m tall, many inflorescences. Flowers white. Seed cream with white hilum, eaten, Local name Chiquito. Cultivated. Seed.

387850. FRAGARIA CHILOENSIS (L.) Duchesne Rosaceae.

Chiloe strawberry.

W-921. Along road from La Paz to Coroico, La Paz Province. Elevation 4,000 m. Fruits to 0.65 cm, red. Typical strawberry flavor. Local name Freca. Wild. Seed.

387851. HELICONIA sp. Musaceae.

W-901. Villa Porvenir, Cochabamba Province. Semidwarf, herbaceous perennial to 50 cm tall. Inflorescence yellow and orange red, erect. Wild. Plant.

387852. IMPATIENS sp. Balsaminaceae.

W-900. Villa Tunari, Cochabamba Province. Herbaceous plant to 25 cm tall. Leaf oblanceolate to 8 cm long, cuneate base. Flowers medium size, two lower petals forming a lip, violet with white throat. Cultivated. Seed.

387853. LYCOPERSICON ESCULENTUM Mill. Solanaceae. **Tomato.**

W-936. Experiment Station, Irupani, La Paz Province. Fruit to 3 cm in diameter, red, two to three-celled. Cultivated. Seed.

387854. LYCOPERSICON sp.

W-895. Naranjitos, on road from Cochabamba to Chapare, Cochabamba Province. Only tomato plant seen near house of coca grower. Cultivated. Seed.

387855. LYCOPERSICON sp.

W-925. Paco, Coroico, La Paz Province. Herbaceous plant to 2 m tall. Fruit to 2 cm, round, red. Cultivated. Seed.

387856. MISCANTHUS sp. Gramineae.

W-915. Toward Cochabamba, 58 km from Villa Tunari, Cochabamba Province. Elevation 2,100 m. Clump grass to 2 m tall. Plumy inflorescence. Wild. Seed.

387857. MISCANTHUS sp.

W-916. Toward Cochabamba, 93 km from Villa Tunari, Cochabamba Province. Elevation 2,500 m. Clump grass to 2 m tall. Tall, plumy inflorescence. Wild. Seed.

387858. MISCANTHUS sp.

W-917. Toward Cochabamba, 75 km from Villa Tunari, Cochabamba Province. Clump grass to 1.5 m tall. Tall, plumy inflorescence. Wild. Seed.

387859. MUTISIA sp. Compositae.

W-938. Along roadside, 1 km below Lavi Granda toward Irupani, Sud Yungas, La Paz Province. Elevation 2,000 m. Vigorous vine with compound leaves to 30 cm. Flowers to 10 cm, having a single row of bright orange-red rays. Wild. Seed.

387860. PASSIFLORA sp. Passifloraceae.

W-937. Lavi Grande, Centro de Capitacion, 6 km from Irupani, Sud Yungas, La Paz Province. Vigorous vine with lavender flowers. Fruit to 10 cm in diameter, purplish. Local name Granadilla. Cultivated. Seed.

387861. PHASEOLUS LUNATUS L. Leguminosae.

Lima bean.

W-934. Los Anguía, Coripata, Nor Yungas, La Paz Province. Pods large, seed white. Chilean type. Cultivated. Seed.

387862 to 387867. PHASEOLUS VULGARIS L.

Common bean.

387862. W-941a. Toward Cochabamba, 41 km from Villa Tunari, Cochabamba Province. Seed yellow orange. Cultivated. Seed.

387863. W-941b. Toward Cochabamba, 41 km from Villa Tunari, Cochabamba Province. Seed brown, mottled. Cultivated. Seed.

387864. W-941c. Toward Cochabamba, 41 km from Villa Tunari, Cochabamba Province. Seed large, tan. Cultivated. Seed.

387824 to 387874—Continued**387862 to 387867—Continued**

387865. W-941d. Toward Cochabamba, 41 km from Villa Tunari, Cochabamba Province. Seed large, mottled violet. Cultivated. Seed.

387866. W-941e. Toward Cochabamba, 41 km from Villa Tunari, Cochabamba Province. Seed round, mottled blue. Cultivated. Seed.

387867. W-941f. Toward Cochabamba, 41 km from Villa Tunari, Cochabamba Province. Seed round, mottled red violet. Cultivated. Seed.

387868. TAGETES sp. Compositae.

W-923. Paco, Coroico, La Paz Province. Herbaceous plant to 1 m tall. Many small flowers. Highly aromatic. Escaped. Local name Cacalahua. Cultivated. Seed.

387869. TAGETES sp.

W-924. Paco, Coroico, La Paz Province. Herbaceous plant to 30 cm tall, bushy. Flowers tiny, white. Aromatic foliage. Escaped. Local name Suico. Cultivated. Seed.

387870. TEPHROSIA sp. Leguminosae.

W-927. Toward Arapata, 5 km from Coroico, La Paz Province. Stout subshrub to 2 m tall. Flowers purple. Escaped. Cultivated. Seed.

387871. XANTHOSOMA sp. Araceae.

W-929. Los Anguia, Coipata, Nor Yungas, La Paz Province. Perennial herb from tuberous roots. Tubers eaten. Cultivated. Tubers.

387872. ZINNIA sp. Compositae.

W-926. Toward Arapata, 5 km from Coroico, La Paz Province. Slender herb to 5 cm tall. Flowers red, single row of ray petals. Wild. Seed.

387873. Undetermined Araceae.

W-939. Experiment Station, San Pedro, Coroico, La Paz Province. Herbaceous epiphyte developing several upright cones. Leaf oblong to 12 cm, petiole sheathing. Inflorescence to 13 cm, spathe white to 7 cm long. Wild. Plant.

387874. Undetermined Commelinaceae.

W-893. Experiment Station, Chipiriri, Chapare, Cochabamba Province. Herbaceous. Flowers purple. Growing wild in banana plantation. Wild. Seed.

387875. HORDEUM DISTICHON L. Gramineae.**Two-rowed barley.**

From Peoples Republic of China. Seed collected by L. P. Reitz, National Program Staff, Agricultural Research Service, Beltsville Agricultural Research Center, Beltsville, Maryland. Received June 4, 1974.

Malu, Shanghai District. Awned. May 14, 1974.

387876. PHLEUM PRATENSE L. Gramineae.**Timothy.**

From Denmark. Seed presented by A/S L. Daehnfeldt, Odense. Received June 1, 1974.

'Bero'.

387877. SESAMUM INDICUM L. Pedaliaceae.**Sesame.**

From India. Seed presented by Division of Plant Introduction, Indian Agricultural Research Institute, New Delhi. Received June 4, 1974.

'E-8'.

387878 and 387879. MISCANTHUS SINENSIS Andress.**Gramineae.****Chinese silvergrass.**

From United States. Culms presented by Americus Plant Materials Center, Soil Conservation Service, Americus, Georgia. Received May 17, 1974.

387878. 'M 2303'.

387879. 'MS 2158'.

387880. VITIS VINIFERA L. Vitaceae. European grape.

From Costa Rica. Seed presented by R. G. Wilson, Director, Las Cruces Tropical Botanical Garden and Field Station, San Vito de Java. Received May 28, 1974.

'Chochogo'. Originally from Vera Cruz, Mexico. Fruit tiny. Reputed to produce large clusters up to 100 grapes in a bunch. Vine is heavy producer. Used locally for making wine.

387881. AGAPANTHUS sp. Liliaceae.

From Kenya. Seed presented by S. W. Braverman, Division of Plant Quarantine Services, East Africa Agriculture and Forestry Research Organization, Nairobi. Received May 28, 1974.

Nairobi. Plant to 0.6 m tall, 0.45 m in diameter. Flowers pink. Good garden variety. Cultivated.

387882 to 387938.

From Canada. Seed collected 1973 by W. L. Pringle, Research Station, Beaverlodge, Alberta and presented through Central Office for Plant Gene Resources of Canada, Research Branch, Ottawa Research Station, Ottawa, Ontario. Code numbers refer to Nursery location. Received April 1, 1974.

387882 to 387886. AGROPYRON SMITHII Rydb. Gramineae.

Western wheatgrass.

387882. 99. Kleskun Hills.

387883. 100. Peace River.

387884. 101. Eureka Road.

387885. 103. Dunvegen.

387886. 108. Kleskun Hills.

387887 to 387895. AGROPYRON TRACHYCAULUM (Link) Malte ex H. F.

Lewis

Slender wheatgrass.

387887. 68. Whitelaw.

387888. 72. Haines Junction.

387889. 73. Mile 1059 Alaska Highway.

387890. 74. South of Steen River, Mile 102 McKenzie Highway.

387891. 79. Haines Junction.

387892. 80. Dawson Creek.

387893. 87. Two Lakes.

387894. 91. Mile 440 Alaska Highway.

387895. 92. Township 70-R11-W6, Section 3.

387896. AGROPYRON YUKONENSE Scribn. Merr.

115. Mile 1019 Alaska Highway.

387897 to 387905. AGROSTIS GIGANTEA Roth Gramineae.

387897. 292. Thirteen km north of Hope, British Columbia.

387898. 294. Lac La Hache, British Columbia.

387899. 297. Thirteen km north of Smithers, British Columbia.

387900. 298. Twenty-four km south of Haines Junction, Yukon Territory.

387901. 300. Mile 1173 Alaska Highway.

387902. 302. North of Smithers, British Columbia, on Mile 591 Alaska Highway.

387903. 304. Mile 462 McKenzie River, Northwest Territory.

387904. 305. Mile 511 McKenzie River, Fort Norman.

387905. 307. Mile 820 McKenzie River.

387882 to 387938—Continued

- 387906.** ARCTAGROSTIS ARUNDINACEA (Trin.) Beal Gramineae.
157. Mile 440 Alaska Highway.
- 387907 and 387908.** BROMUS CILIATUS L. Gramineae.
387907. 48. Grand Prairie, Alberta.
387908. 60. Kakwa River, Alberta.
- 387909 to 387911.** BROMUS INERMIS Leyes. Smooth brome-grass.
387909. 34. Wapiti River, south of Wembley, Alberta.
387910. 35. Mile 91 Alaska Highway.
387911. 55. Eight km west of Skeena Crossing, British Columbia.
- 387912 to 387914.** CALAMAGROSTIS CANADENSIS (Michx.) Beauv. Gramineae. Reed grass.
387912. 3. Fort Simpson.
387913. 11. Edson.
387914. 21. Kleskun Hills.
- 387915.** CALAMAGROSTIS INEXPANSA A. Gray
14. Haines Junction.
- 387916.** DESCHAMPSIA CAESPITOSA (L.) Beauv. Gramineae. Tufted hairgrass.
330. Mile 292 Alaska Highway.
- 387917 to 387920.** ELYMUS GLAUCUS Buckl. Gramineae. Blue wildrye.
387917. 188. Forty-five km west of Prince George, British Columbia.
387918. 190. Mile 541 Alaska Highway.
387919. 195. Three km north of Kitimat, British Columbia.
387920. 196. Kispiox, British Columbia.
- 387921 to 387924.** ELYMUS INNOVATUS Beal
387921. 170. Whitecourt.
387922. 177. Twenty-two km east of Harmon Valley, Alberta.
387923. 181. Lac Cardinal Province Park, Alberta.
387924. 184. Sherman Meadows, south of Grande Prairie, Alberta.
- 387925.** FESTUCA RUBRA L. Gramineae. Red fescue.
325. Two km west of Rio Grande, Alberta.
- 387926.** GLYCERIA STRIATA (Lam.) Hitchc. Gramineae.
318. Fifty-three km north of Smithers, British Columbia.
- 387927.** KOELEERIA CRISTATA (L.) Pers. Gramineae.
216. Kleskun Hills.
- 387928 and 387929.** PHALARIS ARUNDINACEA L. Gramineae. Reed canarygrass.
387928. 360. West of Taylor.
387929. 367. Kitimat, British Columbia.
- 387930.** POA ALPINA L. Gramineae. Alpine bluegrass.
275 Mile 191 Alaska Highway.
- 387931.** POA AMPLA Merr. Big bluegrass.
271. Mile 945 Alaska Highway.
- 387932.** POA COMPRESSA L. Canada bluegrass.
258. Forty-five km west of Prince George, British Columbia.
- 387933 and 387934.** POA PALUSTRIS L. Roughstalk bluegrass.
387933. 241. Two km north of Quesnel, British Columbia.
387934. 247. Chip Lake.

387882 to 387938—Continued

- 387935 to 387937.** *POA PRATENSIS* L. **Kentucky bluegrass.**
387935. 226 Thirteen km north of Smithers, British Columbia.
387936. 232. Near Palmer, Alaska.
387937. 233. Near Palmer, Alaska.
- 387938.** *STIPA VIRIDULA* Trin. Gramineae. **Green needlegrass.**
 148. Peace River, Alberta.

387939 to 387963.

From Australia. Seed presented by Division of Plant Industry, Commonwealth Scientific and Industrial Research Organization, Canberra. Received June 1, 1974.

- 387939 to 387941.** *STYLOSANTHES FRUTICOSA* (Retz.) Alston
 Leguminosae.
387939. C.P.I. 34119A. Abidjan, Ivory Coast.
387940. C.P.I. 40764. Type A produced at Landsdoen Research Station.
 Originally from Sudan.
387941. C.P.I. 41219A. Sudan.
- 387942 to 387950.** *STYLOSANTHES GUYANENSIS* (Aubl.) Swartz
387942. 'Cook'. Australian commercial seed.
387943. 'Q 8231'. Australian commercial seed.
387944. C.P.I. 34000. Costa Rica.
387945. C.P.I. 34906. Brazil.
387946. C.P.I. 34911A. Brazil.
387947. C.P.I. 38222. Santa Maria, Brazil.
387948. C.P.I. 42055. South America.
387949. C.P.I. 40294. South America.
387950. C.P.I. 41218. Costa Rica.
- 387951 and 387952.** *STYLOSANTHES HAMATA* (L.) Taub.
387951. 'Verano'. Australian commercial seed.
387952. C.P.I. 40268. South America.
- 387953.** *STYLOSANTHES HUMILIS* H.B.K.
 'Gordon'. Australian commercial seed.
- 387954 and 387955.** *STYLOSANTHES SCABRA* Vog.
387954. C.P.I. 40205. South America.
387955. C.P.I. 40292. South America.
- 387956 to 387959.** *STYLOSANTHES SUBSERICEA* Blake
387956. C.P.I. 38604. Mexico.
387957. C.P.I. 38605. Mexico.
387958. C.P.I. 38609. Mexico.
387959. C.P.I. 41217. Mexico.
- 387960 to 387963.** *STYLOSANTHES VISCOSA* Sw.
387960. C.P.I. 33436. French Guiana.
387961. C.P.I. 33941. Mexico.
387962. C.P.I. 34904. Brazil.
387963. C.P.I. 40264. South America.

387964. PASSIFLORA MANICATA Pers. Passifloraceae.

From Venezuela. Plant grown at Beltsville, Maryland from seed collected by John Wurdack, Botany Division, Smithsonian Institution, Washington, D. C. Received June 21, 1974.

Tachira State. Elevation 2,500 m.

387965 to 387974. TRITICUM AESTIVUM L. Gramineae.

Common wheat.

From Australia. Seed presented by K. J. Symes, Curator, Australian Wheat Collection, Tamworth, New South Wales. Received May 16, 1974.

387965. AUS 10961. 'H 924'. 1970 crop.

387966. AUS 10962. 'H 974'. 1973 crop.

387967. AUS 10963. 'H 996'. 1970 crop.

387968. AUS 10964. 'H 972'. 1971 crop.

387969. AUS 14445. 'H 926'. 1973 crop.

387970. AUS 90032. 'Federation'. 1969 crop.

387971. AUS 90048. 'S Federation'. Mildew resistant gene Mls. 1969 crop.

387972. AUS 90049. 'T Federation'. Mildew resistant gene Mlt. 1969 crop.

387973. AUS 90050. 'U Federation'. Mildew resistant gene Mlu. 1969 crop.

387974. AUS 90051. 'A Federation'. Mildew resistant gene Mla. 1969 crop.

387975 to 387979. RUBUS IDAEUS L. Rosaceae.

European raspberry.

From Yugoslavia. Seed presented by P. D. Misic, Fruit Research Institute, Cacak under Public Law 480 Project E30-CR-71. Received June 7, 1974.

387975. 'Gradina' x 'Malling Exploit'.

387976. 'Krupna Dvoroda' x 'Gradina'.

387977. 'Krupna Dvoroda' x 'Malling Exploit'.

387978. 'Malling Exploit' x 'Gradina'.

387979. 'Willamette' x 'Gradina'.

387980 to 387986. ABELMOSCHUS ESCULENTUS (L.) Moench.

Malvaceae.

Okra.

From Philippines. Seed presented by J. R. Deanon, Jr., Department of Horticulture, University of the Philippines, College, Laguna. Received June 12, 1974.

387980. 'CA 5'. Laguna. 1974 crop.

387981. 'CA 7'. Laguna. 1974 crop.

387982. 'Lavelna'. Laguna. 1974 crop.

387983. 'Ridge'. Aringay, La Union Province.

387984. 'Semi-Ridge'. Aringay, La Union Province.

387985. 'Smooth'. Aringay, La Union Province.

387986. 'Smooth'. College, Laguna.

387987 to 388020. DOLICHOS LABLAB L. Leguminosae.

Hyacinthbean.

From Australia. Seed presented by Plant Introduction Section, Cunningham Laboratory, St. Lucia, Queensland through Commonwealth Scientific and Industrial Research Organization, Canberra. Received June 4, 1974.

387987. 'P.5303'. Grafton. Seed tan, medium size.

387988. 'P.5309'. Grafton. Seed tan, medium size.

387989. 'P.5310'. Grafton. Seed purplish red, medium size.

387987 to 388020—Continued

387990. 'T 58/13'. Grafton. Seed purplish red, medium size.
 387991. C.P.I. 16883. 'Rongai'. Kenya. Seed light brown, medium size.
 387992. C.P.I. 24616. India. Seed black, small.
 387993. C.P.I. 29398. Indonesia. Seed tan, medium size.
 387994. C.P.I. 30212. 'Highworth'. India. Seed black, medium size.
 387995. C.P.I. 30213. India. Seed tan, small.
 387996. C.P.I. 30701. Burma. Seed yellowish, large.
 387997. C.P.I. 30702. Burma. Seed yellowish, large.
 387998. C.P.I. 30703. Burma. Seed yellowish, large.
 387999. C.P.I. 34004. Brazil. Seed yellowish, small.
 388000. C.P.I. 34772. India. Seed purplish red, medium size.
 388001. C.P.I. 34774. India. Seed yellowish, medium size.
 388002. C.P.I. 34775. India. Seed mixed, purplish red, green, yellow. All sizes.
 388003. C.P.I. 34777. India. Seed yellowish, medium size.
 388004. C.P.I. 34778. India. Seed dark brown, medium size.
 388005. C.P.I. 34779. India. Seed black, large.
 388006. C.P.I. 34780. India. Seed black, small.
 388007. C.P.I. 34781. India. Seed purplish red, medium size.
 388008. C.P.I. 34782. India. Seed light brown, medium size.
 388009. C.P.I. 34783. India. Seed yellowish, small.
 388010. C.P.I. 35894. Denmark. Seed dark brown, small.
 388011. C.P.I. 36019. Hungary. Seed dark brown, small.
 388012. C.P.I. 36903. Union of Soviet Socialist Republics. Seed black and brown mixed, medium size.
 388013. C.P.I. 38705. China. Seed black and brown mixed, medium size.
 388014. C.P.I. 39078. South America. Seed light brown, medium size.
 388015. C.P.I. 39079. South America. Seed black, medium size.
 388016. C.P.I. 40167. South America. Seed yellowish, medium size.
 388017. C.P.I. 57314. United Arab Republic. Seed black, medium size.
 388018. C.P.I. 57315. Portugal. Seed black, small.
 388019. C.P.I. 57316. China. Seed black, medium size.
 388020. C.P.I. 60216. Uganda. Seed black, very small.

388021. CITRULLUS LANATUS (Thunb.) Mansf. Cucurbitaceae.
Watermelon.

From India. Seed presented by the Division of Plant Introduction, Indian Agricultural Research Institute, New Delhi. Received June 24, 1974.

'Arka Jyoti'. Bangalore.

388022. ILEX DIPYRENA Wall. Aquifoliaceae.

From Belgium. Seed presented by Dienst Voor, Parken En Plantsoenen, Antwerp. Code number refers to 1972 Index Seminum. Received May 24, 1974.

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388023 to 388034. RICINUS COMMUNIS L. Euphorbiaceae.**Castor.**

From Indonesia. Seed presented by R. S. Hoetagalong, United Development Incorporated, Kebajoran Baru, Djarkata. Received May 5, 1974.

388023. 'Jatropha Curca'.
 388024. 'Java 1'. White stems. Thorny.
 388025. 'Java 2'. Red stems. Thorny.
 388026. 'Java 3'. Green stems. Thorny.
 388027. 'Java 4'. Green stems. Thorny.
 388028. 'Java 5'. White stems. Thorny.
 388029. 'Patang Ratu 1'. Green stems. Nonthorny.
 388030. 'Patang Ratu 2'. Green stems. Nonthorny.
 388031. 'Patang Ratu 3'. Green stems. Nonthorny.
 388032. 'Sidrap 1'. Sulawesi. Common type.
 388033. 'Sumber Lawang'. Green-white stems. Nonthorny.
 388034. 'Surabaya 1'. Grey-red stems. Thorny.

388035 to 388038.

From Israel. Seed presented by Plant Introduction Service, Agricultural Research Organization, The Volcani Center, Bet Dagan. Received March 1, 1974.

- 388035 and 388036. TRITICUM (hybrid) Gramineae.
 388035. 'Line 76'. *T. durum* × *T. dicoccoides* 'G-25'.
 388036. 'Line 99'. *T. aestivum* × *T. dicoccoides* 'G-25' × *T. durum*.
 388037 and 388038. TRITICUM AESTIVUM L. Common wheat.
 388037. '539/21'.
 388038. 'Giza 139' × 'Hegazi Ahmer'.

388039. PHLEUM PRATENSE L. Gramineae. Timothy.

From Belgium. Seed presented by G. van Bogaert, Rijksstation voor Plantenveredeling, Burg, Merelbeke. Received June 17, 1974.

'Ardennes'. Heading date medium early. Growth upright with long stems. Elevation 200 to 600 m. Rainfall 950 to 1,000 mm. Thin layer of arable land on schist soil.

388040 to 388054. GOSSYPIUM HIRSUTUM L. Malvaceae.**Upland cotton.**

From Ivory Coast. Seed presented by J. Schwendiman, Institut de Recherches du Coton, Station Principal, Bouake. Received May 9, 1974.

388040. HB 2. *G. hirsutum* ('Allen 151') × *G. barbadense* ('Mono'). F₂.
 388041. HB 3. *G. hirsutum* ('Allen 151') × *G. barbadense* ('Mono'). F₂.
 388042. HB 4. *G. hirsutum* ('Allen 151') × *G. barbadense* ('Mono'). F₂.
 388043. HB 5. *G. hirsutum* ('Allen 151') × *G. barbadense* ('Mono'). F₂.
 388044. HB 6. *G. hirsutum* ('Allen 151') × *G. barbadense* ('Mono'). F₂.
 388045. HB 7. *G. hirsutum* ('Allen 151') × *G. barbadense* ('Mono'). F₂.
 388046. HB 8. *G. hirsutum* ('Allen 151') × *G. barbadense* ('Mono'). F₂.
 388047. HB 9. *G. hirsutum* ('Allen 151') × *G. barbadense* ('Mono'). F₂.
 388048. HB 13. *G. hirsutum* ('Allen 151') × *G. barbadense* ('Mono'). F₂.
 388049. HB 15. *G. hirsutum* ('Allen 151') × *G. barbadense* ('Mono'). F₂.
 388050. HB 21. *G. hirsutum* ('Allen 151') × *G. barbadense* ('Mono'). F₂.

388040 to 388054—Continued

388051. HB 22. *G. hirsutum* ('Allen 151') × *G. barbadense* ('Mono'). F₂.
 388052. HB 23. *G. hirsutum* ('Allen 151') × *G. barbadense* ('Mono'). F₂.
 388053. HB 24. *G. hirsutum* ('Allen 151') × *G. barbadense* ('Mono'). F₂.
 388054. HB 25. *G. hirsutum* ('Allen 151') × *G. barbadense* ('Mono'). F₂.

388055 to 388058.

From Israel. Seed presented by Meir Forti, Arid Zone Research Institute, Beersheva, through the Plant Introduction Service, Agricultural Research Organization, The Volcani Center, Bet Dagan. Received June 21, 1974.

388055. ATRIPLEX GLAUCA L. Chenopodiaceae.
6226. Beersheva.
 388056. ATRIPLEX REPANDA Phil.
5728. Chile.
 388057. OSTEOSPERMUM PACHYPTERIS DC. Compositae.
6010. Beersheva.
 388058. OSTEOSPERMUM SINEATUM DC. T. Norl.
6009. Beersheva.

388059 to 388240. TRITICUM AESTIVUM L. Gramineae.**Common wheat.**

From Pakistan. Seed collected by S. A. Qureshi, Cereal Botanist, Punjab Agricultural Research Institute, Lyallpur, and presented through the Plant Production and Protection Division, Food and Agricultural Organization of the United Nations, Rome, Italy. Received May 23, 1974.

388059. FAO 33.195. Campbellpur, Punjab. Spike awned, lax. Seed amber.
 388060. FAO 33.196. Campbellpur, Punjab. Spike awned, lax. Seed amber.
 388061. FAO 33.197. Campbellpur, Punjab. Spike awned, compact. Seed amber.
 388062. FAO 33.198. Campbellpur, Punjab. Spike awned, compact. Seed red.
 388063. FAO 33.199. Campbellpur, Punjab. Spike awned, lax. Seed red.
 388064. FAO 33.200. Campbellpur, Punjab. Spike awned, lax. Seed white.
 388065. FAO 33.201. Campbellpur, Punjab. Spike awned, lax. Seed red.
 388066. FAO 33.202. Campbellpur, Punjab. Spike awned, lax. Seed white.
 388067. FAO 33.203. Campbellpur, Punjab. Spike awned, compact. Seed white.
 388068. FAO 33.204. Rawalpindi, Punjab. Spike awned, compact. Seed red.
 388069. FAO 33.205. Rawalpindi, Punjab. Spike awned, compact. Seed white.
 388070. FAO 33.206. Rawalpindi, Punjab. Spike awned, compact. Seed red.
 388071. FAO 33.207. Rawalpindi, Punjab. Spike awned, compact. Seed red.
 388072. FAO 33.208. Rawalpindi, Punjab. Spike awned, compact. Seed amber.
 388073. FAO 33.209. Rawalpindi, Punjab. Spike awned, compact. Seed red.
 388074. FAO 33.210. Rawalpindi, Punjab. Spike awned, compact. Seed red.
 388075. FAO 33.211. Rawalpindi, Punjab. Spike awned, compact. Seed white.
 388076. FAO 33.212. Rawalpindi, Punjab. Spike awned, compact. Seed red.
 388077. FAO 33.213. Rawalpindi, Punjab. Spike awned, compact. Seed white.
 388078. FAO 33.214. Rawalpindi, Punjab. Spike awnless, compact. Seed red.

388059 to 388240—Continued

- 388079.** FAO 33.215. Rawalpindi, Punjab. Spike awnless, compact. Seed white.
- 388080.** FAO 33.216. Rawalpindi, Punjab. Spike awnless, compact. Seed white.
- 388081.** FAO 33.217. Rawalpindi, Punjab. Spike awnless, compact. Seed red.
- 388082.** FAO 33.218. Rawalpindi, Punjab. Spike awned, lax. Seed red.
- 388083.** FAO 33.219. Muzaffar Garh, Punjab. Spike awned, compact. Seed red.
- 388084.** FAO 33.220. Muzaffar Garh, Punjab. Spike awned, compact. Seed red.
- 388085.** FAO 33.221. Muzaffar Garh, Punjab. Spike awned, compact. Seed amber.
- 388086.** FAO 33.222. Muzaffar Garh, Punjab. Spike awned, compact. Seed amber.
- 388087.** FAO 33.223. Muzaffar Garh, Punjab. Spike awned, Compact. Seed amber.
- 388088.** FAO 33.224. Muzaffar Garh, Punjab. Spike awned, lax. Seed red.
- 388089.** FAO 33.225. Muzaffar Garh, Punjab. Spike awned, compact. Seed amber.
- 388090.** FAO 33.226. Muzaffar Garh, Punjab. Spike awned, compact. Seed amber.
- 388091.** FAO 33.227. Muzaffar Garh, Punjab. Spike awned, compact. Seed red.
- 388092.** FAO 33.228. Muzaffar Garh, Punjab. Spike awned, compact. Seed red.
- 388093.** FAO 33.229. Muzaffar Garh, Punjab. Spike awned, compact. Seed amber.
- 388094.** FAO 33.230. Muzaffar Garh, Punjab. Spike awned, compact. Seed red.
- 388095.** FAO 33.231. Muraffar Garh, Punjab. Spike awned, compact. Seed red.
- 388096.** FAO 33.232. Muzaffar Garh, Punjab. Spike awned, compact. Seed white.
- 388097.** FAO 33.233. Muzaffar Garh, Punjab. Spike awned, compact. Seed red.
- 388098.** FAO 33.234. Muzaffar Garh, Punjab. Spike awned, compact. Seed amber.
- 388099.** FAO 33.235. Muzaffar Garh, Punjab. Spike awned, compact. Seed red.
- 388100.** FAO 33.236. Muzaffar Garh, Punjab. Spike awned, compact. Seed red.
- 388101.** FAO 33.237. Muraffar Garh, Punjab. Spike awned, compact. Seed red.
- 388102.** FAO 33.238. Muzaffar Garh, Punjab. Spike awned, compact. Seed white.
- 388103.** FAO 33.239. Muzaffar Garh, Punjab. Spike awned, compact. Seed red.
- 388104.** FAO 33.240. Muzaffar Garh, Punjab. Spike awned, compact. Seed red.
- 388105.** FAO 33.241. Muzaffar Garh, Punjab. Spike awnless, compact. Seed amber.
- 388106.** FAO 33.242. Muzaffar Garh, Punjab. Spike awnless, compact. Seed amber.

388059 to 388240—Continued

- 388107.** FAO 33.243. Muzaffar Garh, Punjab. Spike awnless, compact. Seed red.
- 388108.** FAO 33.244. Muzaffar Garh, Punjab. Spike awnless, compact. Seed white.
- 388109.** FAO 33.245. Muzaffar Garh, Punjab. Spike awnless, compact. Seed red.
- 388110.** FAO 33.246. Muzaffar Garh, Punjab. Spike awnless, compact. Seed white.
- 388111.** FAO 33.247. Muzaffar Garh, Punjab. Spike awnless, compact. Seed red.
- 388112.** FAO 33.248. Muzaffar Garh, Punjab. Spike awnless, compact. Seed white.
- 388113.** FAO 33.249. Muzaffar Garh, Punjab. Spike awnless, compact. Seed amber.
- 388114.** FAO 33.250. Muzaffar Garh, Punjab. Spike awnless, compact. Seed amber.
- 388115.** FAO 33.251. Muzaffar Garh, Punjab. Spike awnless, compact. Seed amber.
- 388116.** FAO 33.252. Muzaffar Garh, Punjab. Spike awnless, compact. Seed red.
- 388117.** FAO 33.253. Muzaffar Garh, Punjab. Spike awnless, compact. Seed red.
- 388118.** FAO 33.254. Dera Ghazi Khan, Punjab. Spike awned, compact. Seed red.
- 388119.** FAO 33.255. Dera Ghazi Khan, Punjab. Spike awned, Compact. Seed red.
- 388120.** FAO 33.256. Dera Ghazi Khan, Punjab. Spike awned, compact. Seed red.
- 388121.** FAO 33.257. Dera Ghazi Khan, Punjab. Spike awned, compact. Seed red.
- 388122.** FAO 33.258. Dera Ghazi Khan, Punjab. Spike awned, compact. Seed amber.
- 388123.** FAO 33.259. Dera Ghazi Khan, Punjab. Spike awned, Lax. Seed amber.
- 388124.** FAO 33.260. Dera Ghazi Khan, Punjab. Spike awned, compact. Seed red.
- 388125.** FAO 33.261. Dera Ghazi Khan, Punjab. Spike awned, compact. Seed red.
- 388126.** FAO 33.262. Dera Ghazi Khan, Punjab. Spike awnless, compact. Seed red.
- 388127.** FAO 33.263. Dera Ghazi Khan, Punjab. Spike semi-awned, compact. Seed amber.
- 388128.** FAO 33.264. Dera Ghazi Khan, Punjab. Spike awnless, compact. Seed amber.
- 388129.** FAO 33.265. Dera Ghazi Khan, Punjab. Spike awnless, compact. Seed amber.
- 388130.** FAO 33.266. Dera Ghazi Khan, Punjab. Spike awnless, compact. Seed red.
- 388131.** FAO 33.267. Dera Ghazi Khan, Punjab. Spike awnless, compact. Seed red.

388059 to 388240—Continued

- 388132.** FAO 33.268. 'T-1'. Indigenous selection, Punjab. Spike awned.
- 388133.** FAO 33.269. 'T-2'. Indigenous selection, Punjab. Spike awned.
- 388134.** FAO 33.270. 'T-3'. Indigenous selection, Punjab. Spike awned.
- 388135.** FAO 33.271. 'T-4'. Indigenous selection, Punjab. Spike awned, compact. Seed red.
- 388136.** FAO 33.272. 'T-8'. Indigenous selection, Punjab. Spike awned, compact. Seed amber.
- 388137.** FAO 33.273. 'T-9'. Jhang, Punjab. Spike awned, compact. Seed amber.
- 388138.** FAO 33.274. 'T-10'. Jhang, Punjab. Spike awned, compact. Seed amber.
- 388139.** FAO 33.275. 'T-11'. Jhang, Punjab. Spike awned, lax. Seed amber.
- 388140.** FAO 33.276. 'T-12'. Jhang, Punjab. Spike awned, compact. Seed amber.
- 388141.** FAO 33.277. 'T-13'. Jhang, Punjab. Spike awned, compact. Seed amber.
- 388142.** FAO 33.278. 'T-14'. Jhang, Punjab. Spike awned, compact. Seed red.
- 388143.** FAO 33.279. 'T-15'. Jhang, Punjab. Spike awned, compact. Seed red.
- 388144.** FAO 33.280. 'T-16'. Jhang, Punjab. Spike awned, compact. Seed amber.
- 388145.** FAO 33.281. 'T-5'. Bhakhar, Punjab. Spike awnless, compact. Seed white.
- 388146.** FAO 33.282. 'T-6'. Bhakhar, Punjab. Spike awnless, compact. Seed red.
- 388147.** FAO 33.283. 'T-7'. Bhakhar, Punjab. Spike awnless, compact. Seed red.
- 388148.** FAO 33.284. 'T-17'. Bhakhar, Punjab. Spike awnless, compact. Seed white.
- 388149.** FAO 33.285. 'T-18'. Indigenous selection, Punjab. Spike awnless, compact. Seed red.
- 388150.** FAO 33.286. 'T-19'. Indigenous selection, Punjab. Spike awnless, compact. Seed amber.
- 388151.** FAO 33.287. 'T-20'. Indigenous selection, Punjab. Spike awnless, lax. Seed red.
- 388152.** FAO 33.288. 'T-21'. Indigenous selection, Punjab. Spike awnless, compact. Seed white.
- 388153.** FAO 33.289. 'T-22'. Indigenous selection, Punjab. Spike awnless, lax. Seed red.
- 388154.** FAO 33.290. 'T-23'. Indigenous selection, Punjab. Spike awnless, lax. Seed red.
- 388155.** FAO 33.291. 'T-24'. Indigenous selection, Punjab. Spike awnless, compact. Seed red.
- 388156.** FAO 33.292. 'T-25'. Indigenous selection, Punjab. Spike awnless, compact. Seed amber.
- 388157.** FAO 33.293. 'Local-White'. Indigenous selection, Punjab. Spike awned, compact. Seed white.
- 388158.** FAO 33.294. 'Local-Red'. Indigenous selection, Punjab. Spike awned, compact. Seed red.
- 388159.** FAO 33.295. 'C-591'. Central Punjab. Selected breeding line. Spike awned, compact. Seed white.
- 388160.** FAO 33.296. 'C-217'. Central Punjab. Selected breeding line. Spike awned, compact. Seed white.

388059 to 388240—Continued

- 388161.** FAO 33.297. 'C-518'. Central Punjab. Selected breeding line. Spike awned, compact. Seed amber.
- 388162.** FAO 33.298. 'C-273'. Central Punjab. Selected breeding line. Spike awned, compact. Seed amber.
- 388163.** FAO 33.299. 'C-228'. Central Punjab. Selected breeding line. Spike awned, compact. Seed amber.
- 388164.** FAO 33.300. 'Ravi-66'. Central Punjab. Selected breeding line. Spike awned, compact. Seed amber.
- 388165.** FAO 33.301. 'C-371'. Central Punjab. Selected breeding line. Spike awnless, compact. Seed amber.
- 388166.** FAO 33.302. 'Dirk'. Central Punjab. Selected breeding line. Spike awnless, compact. Seed amber.
- 388167.** FAO 33.303. 5658. Central Punjab. Selected breeding line. Spike awned, compact. Seed amber.
- 388168.** FAO 33.304. D. I. Khan Experiment Station, Northwest Frontier Province. Spike awned, compact. Seed red.
- 388169.** FAO 33.305. D. I. Khan Experiment Station, Northwest Frontier Province. Spike awned, compact. Seed red.
- 388170.** FAO 33.306. D. I. Khan Experiment Station, Northwest Frontier Province. Spike awned, compact. Seed red.
- 388171.** FAO 33.307. D. I. Khan Experiment Station, Northwest Frontier Province. Spike awned, compact. Seed red.
- 388172.** FAO 33.308. D. I. Khan Experiment Station, Northwest Frontier Province. Spike awned, compact. Seed red.
- 388173.** FAO 33.309. D. I. Khan Experiment Station, Northwest Frontier Province. Spike awned, compact. Seed red.
- 388174.** FAO 33.310. D. I. Khan Experiment Station, Northwest Frontier Province. Spike awned, compact. Seed white.
- 388175.** FAO 33.311. D. I. Khan Experiment Station, Northwest Frontier Province. Spike awned, compact. Seed red.
- 388176.** FAO 33.312. D. I. Khan Experiment Station, Northwest Frontier Province. Spike awned, compact. Seed white.
- 388177.** FAO 33.313. D. I. Khan Experiment Station, Northwest Frontier Province. Spike awned, compact. Seed amber.
- 388178.** FAO 33.314. D. I. Khan Experiment Station, Northwest Frontier Province. Spike awned, compact. Seed white.
- 388179.** FAO 33.315. D. I. Khan Experiment Station, Northwest Frontier Province. Spike awned, compact. Seed red.
- 388180.** FAO 33.316. D. I. Khan Experiment Station, Northwest Frontier Province. Spike awned, compact. Seed white.
- 388181.** FAO 33.317. D. I. Khan Experiment Station, Northwest Frontier Province. Spike awned, compact. Seed amber.
- 388182.** FAO 33.318. D. I. Khan Experiment Station, Northwest Frontier Province. Spike awned, compact. Seed red.
- 388183.** FAO 33.319. D. I. Khan Experiment Station, Northwest Frontier Province. Spike awned, compact. Seed red.
- 388184.** FAO 33.320. D. I. Khan Experiment Station, Northwest Frontier Province. Spike awned, compact. Seed red.
- 388185.** FAO 33.321. D. I. Khan Experiment Station, Northwest Frontier Province. Spike awnless, compact. Seed red.
- 388186.** FAO 33.322. D. I. Khan Experiment Station, Northwest Frontier Province. Spike awnless, lax. Seed amber.

388059 to 388240—Continued

388187. FAO 33.323. D. I. Khan Experiment Station, Northwest Frontier Province. Spike awnless, lax. Seed amber.
388188. FAO 33.324. D. I. Khan Experiment Station, Northwest Frontier Province. Spike awnless, lax. Seed amber.
388189. FAO 33.325. D. I. Khan Experiment Station, Northwest Frontier Province. Spike awnless, lax. Seed amber.
388190. FAO 33.326. D. I. Khan Experiment Station, Northwest Frontier Province. Spike awnless, compact. Seed amber.
388191. FAO 33.327. D. I. Khan Experiment Station, Northwest Frontier Province. Spike awnless, compact. Seed white.
388192. FAO 33.328. D. I. Khan Experiment Station, Northwest Frontier Province. Spike awnless, compact. Seed amber.
388193. FAO 33.329. D. I. Khan Experiment Station, Northwest Frontier Province. Spike semi-awned, compact. Seed white.
388194. FAO 33.330. D. I. Khan Experiment Station, Northwest Frontier Province. Spike awnless, compact. Seed amber.
388195. FAO 33.331. 'Bachaabad'. D. I. Khan Experiment Station, Northwest Frontier Province. Spike awnless, lax. Seed amber.
388196. FAO 33.332. D. I. Khan Experiment Station, Northwest Frontier Province. Spike awnless, lax. Seed amber.
388197. FAO 33.333. Hazara, Northwest Frontier Province. Spike awned, compact. Seed amber.
388198. FAO 33.334. Hazara, Northwest Frontier Province. Spike awned, compact. Seed amber.
388199. FAO 33.335. Hazara, Northwest Frontier Province. Spike awned, compact. Seed amber.
388200. FAO 33.336. Hazara, Northwest Frontier Province. Seed amber.
388201. FAO 33.337. Hazara, Northwest Frontier Province. Seed red.
388202. FAO 33.338. Hazara, Northwest Frontier Province. Spike awned, lax. Seed white.
388203. FAO 33.339. Hazara, Northwest Frontier Province. Seed red.
388204. FAO 33.340. Hazara, Northwest Frontier Province. Seed red.
388205. FAO 33.341. Hazara, Northwest Frontier Province. Seed red.
388206. FAO 33.342. Hazara, Northwest Frontier Province. Spike awnless, compact. Seed amber.
388207. FAO 33.343. Hazara, Northwest Frontier Province. Spike awned, branched. Seed red.
388208. FAO 33.344. Swat, Northwest Frontier Province. Spike awned, compact. Seed white.
388209. FAO 33.345. Swat, Northwest Frontier Province. Seed red.
388210. FAO 33.346. Swat, Northwest Frontier Province. Spike awned, compact. Seed white.
388211. FAO 33.347. Swat, Northwest Frontier Province. Spike awnless, compact. Seed red.
388212. FAO 33.348. Swat, Northwest Frontier Province. Spike awnless, compact. Seed red.
388213. FAO 33.349. Old unimproved type of Sind. Spike awned, compact. Seed amber.
388214. FAO 33.350. Old unimproved type of Sind. Spike awned, compact. Seed amber.
388215. FAO 33.351. Old unimproved type of Sind. Spike awned, compact. Seed red.

388059 to 388240—Continued

388216. FAO 33.352. Old unimproved type of Sind. Spike awned, lax. Seed amber.
388217. FAO 33.353. Old unimproved type of Sind. Spike awned, compact. Seed amber.
388218. FAO 33.354. Old unimproved type of Sind. Spike awned, compact. Seed amber.
388219. FAO 33.355. Old unimproved type of Sind. Spike awned, lax. Seed amber.
388220. FAO 33.356. Old unimproved type of Sind. Spike awned, lax. Seed red.
388221. FAO 33.357. Old unimproved type of Sind. Spike awned, compact. Seed amber.
388222. FAO 33.358. Old unimproved type of Sind. Spike awned, compact. Seed amber.
388223. FAO 33.359. Old/unimproved type of Sind. Spike awned, compact. Seed amber.
388224. FAO 33.360. Old unimproved type of Sind. Spike awned, compact. Seed amber.
388225. FAO 33.361. Old unimproved type of Sind. Spike awned, compact. Seed amber.
388226. FAO 33.362. Old unimproved type of Sind. Spike awned, compact. Seed amber.
388227. FAO 33.363. Old unimproved type of Sind. Spike awnless, compact. Seed amber.
388228. FAO 33.364. Old unimproved type of Sind. Spike awnless, compact. Seed amber.
388229. FAO 33.365. Old unimproved type of Sind. Spike awnless, compact. Seed amber.
388230. FAO 33.366. Old unimproved type of Sind. Spike awnless, compact. Seed amber.
388231. FAO 33.367. Old unimproved type of Sind. Spike awnless, compact. Seed amber.
388232. FAO 33.368. Old unimproved type of Sind. Spike awnless, compact. Seed amber.
388233. FAO 33.369. Old unimproved type of Sind. Spike awnless, compact. Seed amber.
388234. FAO 33.370. Old unimproved type of Sind. Spike awnless, compact. Seed amber.
388235. FAO 33.371. Old unimproved type of Sind. Spike awnless, compact. Seed amber.
388236. FAO 33.372. Old unimproved type of Sind. Spike awnless, compact. Seed amber.
388237. FAO 33.373. Azad Kashmir. Spike awnless, lax. Seed white.
388238. FAO 33.374. Azad Kashmir. Spike awned, lax. Seed red.
388239. FAO 33.375. Azad Kashmir. Spike awned, compact. Seed white.
388240. FAO 33.376. Azad Kashmir. Spike awned, compact. Seed amber.

388241 to 388616. ORYZA SATIVA L. Gramineae. Rice.

From Brazil. Seed presented by Director, National Rice Research Project, Pelotas, Rio Grande do Sol. Code numbers refer to 1972/73 Experiment Station identification. Received March 5, 1974.

388241. Mao Traduzido No. 1.

388241 to 388616—Continued

- 388242. Norin No. 1.
- 388243. Ponta Rubra.
- 388244. Stripe (Nova).
- 388245. Oirace (Japao).
- 388246. Bellardone.
- 388247. Baldo.
- 388248. Belle Patna Sel 1064.
- 388249. Bluebelle.
- 388250. Chiapelli Adelaide.
- 388251. Chin Na Su.
- 388252. Cl 177-222.
- 388253. Cl 8633.
- 388254. Cesariet No. 60.
- 388255. Cigalon No. 65.
- 388256. Caloro (Precoce).
- 388257. Chagas 4.
- 388258. Dourado Precoce (IAC 369). Suited for upland conditions.
- 388259. Fujizaki No. 4.
- 388260. Gimmasari No. 107.
- 388261. Hakkoda No. 110.
- 388262. Htsu Mishiki No. 120.
- 388263. India Dular (No. Ordem 7).
- 388264. Italpatna.
- 388265. Ieushi Mochi.
- 388266. No. 12518.
- 388267. Nao Traduzido No. 2.
- 388268. Norin No. 28.
- 388269. No Iku No. 1779.
- 388270. No Iku No. 1517.
- 388271. No Ordem Lista 2 (Inst. Chin).
- 388272. No Ordem Lista 80.
- 388273. Portugues.
- 388274. Arborio.
- 388275. Acostano.
- 388276. Ardito.
- 388277. Aimasari No. 111.
- 388278. Bosque S 693.
- 388279. Banto.
- 388280. Balilla. Suited for upland conditions.
- 388281. Batatais (Sequeiro) 1AC.
- 388282. Cheng Kin Sen Ko.
- 388283. Cl 176-370.
- 388284. No Ordem Lista 99.
- 388285. Calrose Sel 22.

388241 to 388616—Continued

- 388286. Egiptian 2709.
- 388287. EP × BR 543 R 313.
- 388288. Guaiba.
- 388289. India.
- 388290. Kinai 195.
- 388291. Mantoya.
- 388292. Norin No. 17.
- 388293. Norin No. 29.
- 388294. No Ordem Lista 28 (Inst. Chin).
- 388295. No Ordem Lista 86 (Inst. Chin).
- 388296. Nato (Eua).
- 388297. No 2868.
- 388298. Polman India.
- 388299. Pai Vi Ping.
- 388300. Secano. Suited for upland conditions.
- 388301. Seucirre.
- 388302. Sin No. 2.
- 388303. Ziong Do No. 23.
- 388304. Won Son Zo No. 11.
- 388305. No. 434.
- 388306. Agulha Cachoeira S 322 P4.
- 388307. BC 1-1-1.
- 388308. Colusa.
- 388309. Cateto 4631-1-5.
- 388310. C1 187091.
- 388311. Dawn (Nova).
- 388312. Homare Nishiki No. 18.
- 388313. Japones No. 6.
- 388314. Japones Gigante Sel 229.
- 388315. Kanan.
- 388316. Long Gmar Jim (Sel).
- 388317. No Ordem Lista 91 (Inst. Chin).
- 388318. No Ordem Lista 52.
- 388319. No Ordem Lista 76.
- 388320. No Ordem Lista 77.
- 388321. No Ordem Lista 78.
- 388322. No Ordem Lista 100.
- 388323. Pratao Tipo Guedes. Suited for upland conditions.
- 388324. Raminad Str 3.
- 388325. Akebone No. 119.
- 388326. Chokoto No. 14.
- 388327. Edith Long Sel 647.
- 388328. No Ordem Lista 18 (IC). Suited for upland conditions.
- 388329. Pratao 7029 (Varzea).

388241 to 388616—Continued

- 388330. Tijucas Claro.
- 388331. Tijucas Dourado.
- 388332. IR 532-1-33 Bulk (Colombia).
- 388333. IR 634-9-5-* (Colombia).
- 388334. IR 634-32-4 (Colombia).
- 388335. IR 661-1-140-3 Bulk (Colombia).
- 388336. IR 665-4-1 (Colombia).
- 388337. IR 930-31-9 (Colombia).
- 388338. IR 930-31-10 (Colombia).
- 388339. IR 930-147-5 (Colombia).
- 388340. IR 579-48-1-2 (Colombia).
- 388341. IR 665-33-1-3 (Colombia).
- 388342. IR 665-35-1-5 (Colombia).
- 388343. Faia.
- 388344. Gaza.
- 388345. Arborio CI 209773.
- 388346. Ardito × Edith Long.
- 388347. Ardizzone.
- 388348. Adelaide Chiapelle.
- 388349. Aronlea.
- 388350. AE Guk (Al Koku).
- 388351. Agulha Amarelo.
- 388352. Agulha Cachoeira 9-10-56.
- 388353. Ark. Fortuna 155 Sel 54 P.
- 388354. Ark. Fortuna 53-3.
- 388355. A 3/3 K. Assaw.
- 388356. Ahbaws 408 O.S. 4.
- 388357. AI Yeh Lu—CI 160936.
- 388358. AI Ye Lu Hwang Miao Chan.
- 388359. Auyu 2 Hao.
- 388260. Bico Branco Peludo.
- 388361. Blue Rose CI 166-970.
- 388362. Bengue.
- 388363. Blue Bonnet 50.
- 388364. Bluebelle.
- 388365. Bengue 924.
- 388366. Bergreis.
- 388367. Bombilla.
- 388368. IR 930-31-2.
- 388369. Baszette.
- 388370. BR 41 × Arkrose.
- 388371. Bao-Deac-Huwan.
- 388372. Belle Patna (Uruguai).
- 388373. B 404—No. 43 (PM).

388241 to 388616—Continued

- 388374. Baek Ziong Zo No. 44.
- 388375. Century 52.
- 388376. Cristal De Angola.
- 388377. Chines.
- 388378. Club.
- 388379. Chang-Wan CI.
- 388380. Chang Chow.
- 388381. Chisa-A-Ho-Mochi.
- 388382. Chiu Shih IRI.
- 388383. Chin Pao Ven.
- 388384. Chiang Tsenf Tao.
- 388385. CI 7111.
- 388386. Chung Ta 258.
- 388387. Chan Mao Tiu.
- 388388. CI 6914.
- 388389. Choei-Ine.
- 388390. Chong-Kuc-Iae-Piang S 2712.
- 388391. Chokey Wase.
- 388392. Chu Cheng.
- 388393. Ching Shwey Pai.
- 388394. Ching Kao Chan.
- 388395. Calrose Foundation 1966.
- 388396. CI 187.085.
- 388397. CI 168.894.
- 388398. CI 182.256.
- 388399. CI 187.675.
- 388400. CI 7109.
- 388401. Chung Ta 258.
- 388402. Chen Chia Tao.
- 388403. Chung Nung 7 Had (Hao).
- 388404. CI-1561-1 No. 3.
- 388405. Carolina SP 407.
- 388406. Carioca 79-p-4.
- 388407. Cateto No. 22.
- 388408. Caloro × Sel 2400.
- 388409. Caloro × L W.
- 388410. Cana Roxa.
- 388411. Canario.
- 388412. Ching Yane Chan.
- 388413. CI 7024.
- 388414. Chi Chwa Hsien.
- 388415. CI 160.887.
- 388416. CI 168.934-3.
- 388417. CI 160-872.
- 388418. CI 7074.

388211 to 388616—Continued

- 388119. Chung Hsuan.
- 388120. Chukame.
- 388121. Chien Ju Tao.
- 388122. CI 8976 (E 47).
- 388123. CI 8645.
- 388124. Criollo.
- 388125. Chagas 1.
- 388126. Chacareiro.
- 388127. Chacareiro (Urugua).
- 388128. Cume Mon.
- 388129. Chang Chang.
- 388130. Dalila.
- 388131. Duk Zuc Z000.
- 388132. Donk San Z0 No. 37.
- 388133. Du Zung Zione No. 119.
- 388134. Dang Go E.
- 388135. Dae Ku.
- 388136. Doble Carolina.
- 388137. Dozan 49.
- 388138. Estirpe Abreu 14-3.
- 388139. Ean No. 4.
- 388140. Ean No. 4 CI.
- 388141. Ean No. 7 (Port.).
- 388142. Egyptian 2716.
- 388143. Early Colusa No. 2.
- 388144. Early Rose.
- 388146. E 60/5426-Loiva.
- 388147. ER Shi Tsao.
- 388148. Ficha No. 1463.
- 388149. Furu-Wase.
- 388150. Fei Lai Feng.
- 388151. Farroupilha Guaspari 62-3.
- 388152. Gigante Vercelli.
- 388153. Gilanica.
- 388154. Guneki.
- 388155. Gulf Rose.
- 388156. Gae Seon CI 8677.
- 388157. Gae Seon CI 8676.
- 388158. Gum Do No. 82.
- 388159. Gimbozu.
- 388160. Hurang Ariso Luta.
- 388161. Han Pu Chin.
- 388162. Ho Vi Tiao.
- 388163. He Chiao Ju.

388211 to 388616—Continued

- 388164. Ho Ku.
- 388165. Huk Do.
- 388166. Hirayama.
- 388167. Huk Pi.
- 388168. Hucocu Mochi.
- 388169. H-12-V-13 Ipeacs No. 1682.
- 388170. Hei Jen Hsien Ou CI 160418.
- 388171. Hae Zo.
- 388172. Hsung Tiene 1 Hao.
- 388173. Hapit.
- 388174. Hung Chao Lu Yu.
- 388175. Hamayu.
- 388176. Insen × Tremesino.
- 388177. India Mixture.
- 388178. Ih Pen Shim Ming.
- 388179. Iguape (Irga).
- 388180. 1-9050 No. 470.
- 388181. Irga No. 1100.
- 388182. Ise Zinza.
- 388183. IR-2-288-3 (Nova).
- 388184. Indo Yiaia Lonica.
- 388185. Jung Suen Li E 65.
- 388186. Sel. Waldemar Terres.
- 388187. Kyuhei No. 2.
- 388188. Kulainę TV 2 Hao.
- 388189. Kanou.
- 388190. Kwan Tone Zo Saeng No. 20.
- 388491. Kwei Yi Wei.
- 388192. Ken Yen
- 388193. Kokko.
- 388194. Kuiki No. 25.
- 388195. Ku Mun Do No. 84.
- 388196. K-BR × BR 41 Sel.
- 388197. Kuan Yen Chan CI 160586.
- 388198. Laboratorio.
- 388199. Lady Wright Crossbreed 13-3-1-8.
- 388500. Lacross.
- 388501. Link-V No. 132.
- 388502. Lanceiro (Y 110-1-2).
- 388503. Ligeiro.
- 388504. Lai Yip Zin.
- 388505. Luzitano.
- 388506. Matao S 432.

3882 11 to 388616—Continued

- 388507. Miga.
- 388508. Miyagi Aikuu.
- 388509. Ming Chang Wan Tao Ku.
- 388510. Muzzo No. 45.
- 388511. Miaomichiki.
- 388512. Miko Mishiri No. 121.
- 388513. Ma Chan.
- 388514. Misuho.
- 388515. No De Ordem Lista 1.
- 388516. No De Ordem Lista 23.
- 388517. Nerovialone.
- 388518. No. 136.
- 388519. No. 12524.
- 388520. Nao Traduzido No. 5.
- 388521. Norin No. 24.
- 388522. Norin No. 41.
- 388523. No Iku No. 1400.
- 388524. No Iku No. 1517.
- 388525. No Iku No. 1706.
- 388526. No Iku No. 1716.
- 388527. No Iku No. 1771.
- 388528. No Iku No. 1774.
- 388529. No Iku No. 1518.
- 388530. No Iku No. 1669.
- 388531. No Iku No. 1383.
- 388532. No De Ordem Lista 6.
- 388533. No De Ordem Lista 12.
- 388534. No De Ordem Lista 15.
- 388535. No De Ordem Lista 46.
- 388536. No De Ordem Lista 48.
- 388537. No De Ordem Lista 50.
- 388538. No De Ordem Lista 63A.
- 388539. No De Ordem Lista 79.
- 388540. No De Ordem Lista 81.
- 388541. No De Ordem Lista 82.
- 388542. No De Ordem Lista 85.
- 388543. No De Ordem Lista 88.
- 388544. No De Ordem Lista 96.
- 388545. No De Ordem Lista 97.
- 388546. No De Ordem Lista 98.
- 388547. No De Ordem Lista 100.
- 388548. No De Ordem Lista 106.
- 388549. No De Ordem Lista 109.
- 388550. Oh Bada No. 133.

3882 11 to 388616—Continued

- 388551. Orkikom Shiroque.
- 388552. Pa Shim Tsao.
- 388553. Pratao I-9020 No. 468.
- 388554. Paraiba Chines (Nova).
- 388555. Prolific.
- 388556. Rinaldo Bersani (Novo).
- 388557. Rykuu No. 15.
- 388558. Riuc V No. 13.
- 388559. Rikuto Norin No. 13.
- 388560. Rizzoto 388.
- 388561. Rooe HP.
- 388562. Raminao Str 3.
- 388563. Sezia (Uruguai).
- 388564. No De Ordem Lista 75.
- 388565. Sang Yuc Bang 20.
- 388566. Su Won No. 118.
- 388567. Saturn (Nova).
- 388568. Taichung 65 No. 186.
- 388569. Yamabiko.
- 388570. 439.
- 388571. R 27.
- 388572. IR 480-14.
- 388573. IR 579-97-160.
- 388574. IR 634-24-1.
- 388575. IR 634-34-2-6.
- 388576. IR 661-1-140-3-2.
- 388577. IR 665-4-1.
- 388578. IR 665-34-2-8.
- 388579. Nilo 3A.
- 388580. ICA 10.
- 388581. Dawn.
- 388582. Star Bonnet.
- 388583. IR 8.
- 388584. IAC 68-P.
- 388585. IAC 162.
- 388586. Towada.
- 388587. Fujiminori.
- 388588. Reimei.
- 388589. Pai Kan Tao.
- 388590. Fitotecnia 3 (Dna. Francisca).
- 388591. IAC 120 × Gravatai (Iac).
- 388592. Csor Nuy.
- 388593. VZ Rosz 2831.
- 388594. No De Ordem Lista 116.

388241 to 388616—Continued

388595. IR 140-23-2.
 388596. Y-R-L-2 (Kulu).
 388597. Belle Patna.
 388598. Fukey 70.
 388599. Su Won H.
 388600. IR 503-1-104-2.
 388601. IAC 120. Suited for upland conditions.
 388602. IAC 1246. Suited for upland conditions.
 388603. Pratao Precoce. Suited for upland conditions.
 388604. IAS 12-9 Formosa.
 388605. Fortuna.
 388606. Iguapa Agulha. Suited for upland conditions.
 388607. Iguape Cateto. Suited for upland conditions.
 388608. Agulhao Precoce. Suited for upland conditions.
 388609. EEA 201.
 388610. EEA 404.
 388611. EEA 405.
 388612. EEA 406.
 388613. IRGA 407.
 388614. Stirpe.
 388615. IAS 22-8 Palmar.
 388616. Caloro.

388617. ORYZA SATIVA L. Gramineae. Rice.

From Bangladesh. Seed presented through Rice Branch Experiment Station, Stuttgart, Arkansas. Received July 11, 1974.

'Irratom'.

388618. SACCHARUM (hybrid) Gramineae. Sugarcane.

From Mauritius. Cuttings presented by Director, Mauritius Sugar Industry Research Institute, Reduit. Received July 30, 1974.

'M 383/41'.

388619 to 388632.

From Union of Soviet Socialist Republics. Plant material collected by G. W. Burton, Leader, United States Department of Agriculture, Special Forage Team, Coastal Plains Experiment Station, Tifton, Georgia. Received July 22, 1974.

388619. ARACHIS HYPOGAEA L. Leguminosae. Peanut.
 4. Market in Samarkand, Uzbekistan Region. Skin bright red. Pods clear and bright. One to three seed per pod. Cultivated Seed.

388620. CITRULLUS LANATUS (Thunb.) Mansf. Cucurbitaceae.

9. Bazaar in Tashkent, Uzbekistan Region. Good fruit. Cultivated. Seed. Watermelon.

388621. CUCUMIS MELO L. Cucurbitaceae. Muskmelon.
 5. Bazaar in Tashkent, Uzbekistan Region. Melons were about 13 cm in diameter. Very good quality. Cultivated. Seed.

- 388622 to 388624. CYNODON DACTYLON (L.) Pers. Gramineae.

Bermudagrass.
 388622. 1. Park in Tashkent, Uzbekistan Region. Winter temperature could reach -30 C. Typical of species. Occurs in great abundance in this area. Wild. Stolons.

388619 to 388632—Continued**388622 to 388624—Continued**

388623. 2. Collected in exposed, very dry area in Samarkand, Uzbekistan Region. Local temperature ranges from +46 to -28 C. Typical of species, but rather small. Locally abundant. Wild. Stolons.

388624. 3. Collected in exposed, very dry, bare area in old Samarkand, Uzbekistan Region. Local temperature ranges from +47 to -30 C. Plants extremely small, but heading. Growing near excavation site. Should tolerate extreme heat and cold. Wild. Stolons.

388625. LOTUS TENUIS Waldst. & Kit. ex Willd. Leguminosae.

6. Collected in garden of collective cotton farm, 60 km west of Samarkand, Uzbekistan Region. Low growing form with excellent seed set. Nonshattering. Wild. Seed.

388626. MEDICAGO sp. Leguminosae.

10. Tashkent, Uzbekistan Region. Flowers blue, coiled pod. Wild. Seed.

388627. MEDICAGO sp.

11. Tashkent, Uzbekistan Region. Flowers blue, coiled pod. Wild. Seed.

388628. MEDICAGO sp.

12. Tashkent city park, Uzbekistan Region, Flowers blue, coiled pod. Wild. Seed.

388629. MEDICAGO sp.

13. Collected in old mausoleum courtyard, Samarkand City, Uzbekistan Region. Flowers blue, coiled pod. Wild. Seed.

388630. MEDICAGO sp.

14. Samarkand collective farm, 60 km northwest of city, Uzbekistan Region. Flowers blue, coiled pod. Wild. Seed.

388631. TRIFOLIUM PRATENSE L. Leguminosae

Red clover.

8. Park in Tashkent, Uzbekistan Region. Vigorous, nonpubescent plant. Medium maturity. No disease symptoms. Wild. Seed.

388632. TRIFOLIUM REPENS L.

White clover.

7. Collected in garden of collective cotton farm, 60 km west of Samarkand, Uzbekistan Region. Aggressive, but small form. Good seed set, early. Wild. Seed.

388633 and 388634. ARACHIS HYPOGAEA L. Leguminosae.

Peanut.

From Argentina. Seed presented by J. P. Pietrarello, Tecnico de la Seccion Mani, Estacion Experimental Agropecuaria, Manfredi, Cordoba. Received July 15, 1974.

388633. 'Manfredi Virginia 5'. Derivative from the University of Florida breeding line 'Florida 416-2'.

388634. 'Manfredi Virginia 6'. Derivative from the variety 'NC 2'.

388635. MEDICAGO SATIVA L. Leguminosae.

Alfalfa.

From Oman. Seed collected by Roger Hedge, Peace Crops, Samail. Received June 27, 1974.

Small village 16 km from Nizwa.

388636 to 388645. HORDEUM VULGARE L. Gramineae.

Barley.

From Union of Soviet Socialist Republics. Seed presented by P. F. Garkaviji, All-Union Research Institute of Breeding and Genetics, Odessa. Received July 26, 1974.

388636. 'Chernomoretz'. Spring.

388637. 'Donetzkij 4'. Spring.

388638. 'Nutans 244'. Spring.

388639. 'Odesskiy 17'. Winter.

388636 to 388645—Continued

388640. 'Odesskiy 31'. Winter.

388641. 'Odesskiy 36'. Spring.

388642. 'Odesskiy 46'. Winter.

388643. 'Orion'. Winter.

388644. 'South'. Spring.

388645. 'Stepovoj'. Most widely grown, but acreage declining. Spring.

388646 and 388647. GOSSYPIMUM HIRSUTUM L. Malvaceae.**Upland cotton**

From Syria. Seed presented by A. Shami, Director, Cotton Bureau, Ministry of Agriculture, Aleppo. Received May 7, 1974.

388646. 'Aleppo 1'. Extensive acreage for this variety in 1974.

388647. 'Croker 124 B'. Mass selection from 'Coker 124' now obsolete.

388648 and 388649. COFFEA ARABICA L. Rubiaceae. Coffee

From Portugal. Seed presented by C. J. Rodrigues, Centro de Investigacao Da Ferrugens Cafeeiro, Estacao Agronomica Nacional, Oeiras. Received April 10, 1974.

388648. Selection 66/1.

388649. Selection 108/6.

388650 to 388653.

From Chile. Seed presented by Carles Gallardo, Centro de Estudios Ecologicos Los Vilos. Received July 10, 1974.

388650. ATRIPLEX COQUIMBANA Phil. Chenopodiaceae.

388651. ATRIPLEX REPANDA Phil.

388652. ATRIPLEX SPONGIOSA F. Muell.

Saltbush

388653. ATRIPLEX sp.

388654. ONOBRYCHIS SUPINA DC. Leguminosae.

From France. Seed presented by Station Nationale d'essais de Semences Service Botanique, Versailles through Seed Exchange Office, Plant Production and Protection Division, Food and Agriculture Organization, Rome. Received July 19, 1974.

FAO 34.326.

388655 to 388699. × TRITICOSECALE Wittm. Gramineae.**Triticale**

From South Africa. Seed presented by Plant Introduction Officer, Division of Plant and Seed Control, Department of Agricultural Technical Services Pretoria. Received July 11, 1974.

388655. 5943-M-M-M-4-1-M.

388665. 6230-M-4-1-M.

388656. 5945-M-3-1-M

388666. 6231-3-1-2-M.

388657. 5950-M-M-19-M.

388667. 6237-6-2-1-M.

388658. 5954-M-M-2-1-M.

388668. 6259-13-1-2-M.

388659. 5957-M-1-1-M.

388669. 6272-M-1-1-M.

388660. 6171-M-5-2-M.

388670. 6278-M-2-2-M.

388661. 6213-1-1-1-M.

388671. 6279-M-5-2-M.

388662. 6219-M-5-1-M.

388672. 6290-M-1-2-M.

388663. 6220-3-4-1-M.

388673. 6299-3-1-2-M.

388664. 6221-M-1-3-M.

388674. 6305-2-4-2-M.

388655 to 388699—Continued

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|---------------------------|-----------------------------|
| 388675. 6369-1-3-2-M. | 388688. A805-M-M-2-4-M. |
| 388676. 6373-M-11-1-M. | 388689. A805-M-M-2-7-1-M. |
| 388677. 6387-3-1-3-M. | 388690. A805-M-M-3-2-M. |
| 388678. 6962. | 388691. A805-M-2-M-M-M-M. |
| 388679. 6964. | 388692. A805-M-2-4-1-5-M. |
| 388680. 7528. | 388693. A806-M-M-8-4-1-M. |
| 388681. 7530. | 388694. A807-M-M-M-7-1-M. |
| 388682. 7534. | 388695. A808-M-M-M-3-3-1-M. |
| 388683. 7539. | 388696. A810-M-M-8-2-M. |
| 388684. 7543. | 388697. A812-M-M-20-1-M. |
| 388685. 7545. | 388698. A814-M-M-7-1-M. |
| 388686. A797-M-M-7-M. | 388699. A815-M-M-1-1-M. |
| 388687. A802-M-M-M-2-1-M. | |

388700 to 388743.

From Israel. Seed collected by G. A. White, Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland and K. J. Lessman, Department of Agronomy, Purdue University, Lafayette, Indiana. Received May 13, 1974.

- 388700.** ASPARAGUS sp. Liliaceae.
 WL-33. In dense underbrush, 1 km north of Hadera. Large, vigorous plants, widely scattered. In flower and early fruit April 22. Wild.
- 388701.** ASPHODELUS FISTULOSUS L. Liliaceae. **Asphodel.**
 WL-65. Above river N. Tavor, 1 km west of Gesher. Plant tall, 4 to 5 dm. Leaves linear. Wild.
- 388702.** BRIZA MAXIMA L. Gramineae. **Big quaking grass.**
 WL-24. Samarian Mountains, 5 km south of Vin Safé the Habetal. On roadside, edge of Garigue. Plants small, upper glumes red and brown. Wild.
- 388703.** BRYONIA sp. Cucurbitaceae.
 WL-39. Qiryat Tivon, Kefar-Yehoshu junction. On rocky hillside, shady. Plant viny, mostly green fruit. Wild.
- 388704.** BRYONIA sp.
 WL-42. Neve-Ya'ar Experiment Station. On rocky, shaded, gentle slopes. Vine small, marble sized. Fruits green and red. Wild.
- 388705.** BRYONIA sp.
 WL-45. Neve Ya'ar Experiment Station. Right of entrance on rocky, shaded hillside. Plant viny, red and green fruit. Wild.
- 388706 to 388729.** CRAMBE HISPANICA L. Cruciferae.
- 388706.** WL-25. On road to Jericho, 15 km east-northeast of Jerusalem. Elevation 250 m. Rocky, dry slope. Wild.
- 388707.** WL-28. Near Bargiora, 18 km west-southwest of Jerusalem. Elevation 600 m. Plants very small, near maturity. Mixed with grasses and legumes in competitive habitat, usually moist. Growing in association with *Pistacia* along slopes. Sparse, few plants. Wild.
- 388708.** WL-29a. Near Sheik Marzuk Tomb, 15 km west-southwest of Jerusalem. Elevation 700 to 800 m. Plants small, unbranched, to 1 m tall. Dark fruit, black seed, abundant. Shade of *Quercus calliprinos* and *Pistacia*. Wild.
- 388709.** WL-29b. Near Sheik Murzuk Tomb, 15 km west-southwest of Jerusalem. Elevation 700 to 800 m. Single plant with seed retentiveness. Wild.
- 388710.** WL-34. North of Kibbutz school, Ma'agan Mikheal. Base of rocky outcrop immediately north of school on east slope. Plants abundant, variable in size and maturity. Some seed mottled, mostly black or deep red. Mildew on many plants. Wild.

388700 to 388743—Continued**388706 to 388729—Continued**

- 388711.** WL-35. Kibbutz, Ma'agan Mikhael. Base of rocky outcrop immediately north of school on east slope. Seed light brown. Wild.
- 388712.** WL-36. North of Kibbutz school, Ma'agan Mikhael. Base of rocky outcrop immediately north of school on east slope. Mottled seed from single mildew-free plant. Wild.
- 388713.** WL-37. Along rocky, partially shaded east slope 0.5 km northeast of Neve Yam. Only few mature seeds on April 22. Wild.
- 388714.** WL-38. Qiryat Tivon at Kefar-Yehoshua junction. Rocky hillside, partially shaded. Seed dark purple or red. Plants variable in size. Wild.
- 388715.** WL-40. Qiryat Tivon at Kefar-Yehoshua junction. Single short-statured plant. Wild.
- 388716.** WL-44. Neve Ya'ar Experiment Station. Right of entrance on rocky, shaded hillside. Few plants, black seeds. Wild.
- 388717.** WL-46. Northwest of Nazareth, 1 km east of Kibbutz Hasoleleim. Single isolated plant. Wild.
- 388718.** WL-47. One km east of Kibbutz Hasoleleim. Near rocky slope and low shrubs, about 100 m from cultivated field. One small mature plant, black seed. Wild.
- 388719.** WL-48. One km east of Kibbutz Hasoleleim. Short plants with black mottled seed. Wild.
- 388720.** WL-50. Mount Tabor. Elevation 450 m. Plants very successful. Seed partially mottled, not black. Wild.
- 388721.** WL-51. Bet Qeshet. Just off main road on right, under trees. Wild.
- 388722.** WL-53. West of Mighar. Elevation 350 to 400 m. On high, rocky, eastern slope associated with small trees. Wild.
- 388723.** WL-54. East of main road, 2 km north of Yiftah. Elevation 200 to 300 m. On eastern slopes. Plants fully mature April 25. Wild.
- 388724.** WL-55. Rocky cliffs above River Dan, 0.5 km northeast of Dafina. Elevation 250 m. Mixture of brown or tan, mottled, and black seeds. Wild.
- 388725.** WL-56. Rocky cliffs above River Dan, 0.5 km northeast of Dafina. Elevation 250 m. Black seed. Wild.
- 388726.** WL-58. Near Lahayot Habashan. Elevation 200 m. Black seed. Wild.
- 388727.** WL-59. Near Lahayot Habashan. Elevation 200 m. Mottled seed. Wild.
- 388728.** WL-61. Near Ammua River, 0.5 km east of Huqoq. Among rocks on east slope. Plants fully mature April 25. Black seed. Wild.
- 388729.** WL-62. Near wadi Nahal Yavniel, 1 km south-southwest of Bitanya. Elevation 150 m. East slope, shade of low shrub. Three plants, mildew infected. Black seed. Wild.
- 388730.** *FUMARIA* sp. Papaveraceae.
WL-31. In dense seaside grasses, immediately northwest of River Alexander crossing, 10 km north of Netanya. Plant viny, fine foliage. Wild.
- 388731.** *ISATIS LUSITANICA* Brot. Cruciferae.
WL-23. Samarian Mountains, 5 km south of Vin Safe the Habetal. On roadside, edge of Garigue. Small, productive plants. Abundant and widely scattered. Wild.
- 388732.** *LATHYRUS OCHRUS* (L.) DC. Leguminosae.
WL-30. In dense seaside grasses, immediately northwest of River Alexander crossing, 10 km north of Netanya. Wild.
- 388733.** *LATHYRUS* sp.
WL-63. Near wadi Nahal Yavniel, 1 km south-southwest of Bilanya. Elevation 200 m. Wild.

388700 to 388743—Continued

- 388731.** *MEDICAGO ORBICULARIS* (L.) Bart. Leguminosae.
WL-27. Five km northeast of Jerusalem. On rocky terrace. Low grazing. Wild.
- 388735.** *OCHTHODIUM AEGYPTIACUM* DC. Cruciferae.
WL-60. Near Lahayot Habashan. Elevation 200 m. Plant very abundant, most near maturity April 25. Wild.
- 388736.** *ONONIS SICULA* Guss. Leguminosae.
WL-26. On road to Jericho, 15 km east-northeast of Jerusalem. Low growing legume with yellow flowers. Wild.
- 388737.** *PAPAVER HUMILE* Fedde Papaveraceae.
WL-32. Detanya, northeast of River Alexander crossing. Large plant with red blossoms. Very abundant. Wild.
- 388738.** *PAPAVER HYBRIDUM* L.
WL-52. Near Hasoleleim. One small plant. Wild.
- 388739 and 388740.** *RAPISTRUM RUGOSUM* All. Cruciferae.
388739. WL-41. Qiryat Tivon at Kefar-Yehoshua junction. Beaked fruit. Flowers yellow, immature. Wild.
388740. WL-43. Neve Ya'ar Experiment Station. Plant very abundant, yellow flowers. Fruit beaked, mostly green, mature, tan. Wild.
- 388741.** *SCABIOSA PROLIFERA* L. Dipsacaceae.
WL-64. Near N. Tavor, 1 km west of Geshar. Flowers bell shaped. Widespread in Israel. Wild.
- 388742.** *VICIA PALAESTINA* Boiss. Leguminosae.
WL-57. Near rocky cliffs above River Dan on north slope. Elevation 300 m. Same general locality as P.I. 388725. Wild.
- 388743.** *VICIA PEREGRINA* L.
WL-49. On Mount Tabor road, rocky steep slope with northwest exposure. Wild.

388744 to 388751.

From People's Republic of China. Seed presented by Wang Chung-Yi, Laboratory of Food Crop Science, Chinese Academy of Agriculture and Forestry Sciences, Peking. Received August 14, 1974.

- 388744 and 388745.** *AVENA SATIVA* L. Gramineae. Common oat.
388744. 'Feng-ning-da-tan'.
388745. 'Shen-chi'.
388746 and 388747. *HORDEUM VULGARE* L. Gramineae. Barley.
388746. 'Line 140'.
388747. 'Nan-fan 3'.
388748 to 388751. *TRITICUM AESTIVUM* L. Gramineae. Common wheat.
388748. 'Beijing 8'.
388749. 'Beijing 10'.
388750. 'Nongda 139'.
388751. 'Nongda 141'.

388752. NICOTIANA TABACUM L. Solanaceae. **Tobacco.**

From Japan. Seed presented by M. Sato, Iwata Tobacco Experiment Station, Japan Monopoly Corporation, Iwata. Received August 14, 1974.

'Enshu'. Very old variety. Air-cured type, showing a remarkable short day character and possessing a high degree of resistance to *Bacterium solanacearum*.

388753 to 388819.

From Morocco. Seed collected by G. A. White, Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Received July 2, 1974.

388753 to 388819—Continued

- 388753.** *AEGILOPS CYLINDRICA* Host Gramineae. **Jointed goatgrass.**
W-138a. On road 7038, 4 km northeast of Tiguermine. Along very dry border of wheatfield. Wild.
- 388754 and 388755.** *AEGILOPS OVATA* L.
- 388754.** W-104. On road S601, 1 km north of road P38. Along edge of wheatfield. Mostly immature fruit. Wild.
- 388755.** W-138b. On road 7038, 4 km northeast of Tiguermine. Along very dry border of wheatfield. Wild.
- 388756.** *AEGILOPS* sp.
W-118. On road S131, 32 km southwest of Moulay-Bouazza. On dry, steep slope. Wild.
- 388757.** *ANASTATICA HIEROCHUNTICA* L. Cruciferae.
W-142. Tissinnt. Rose of Jericho. Wild.
- 388758.** *ASPHODELUS* sp. Liliaceae.
W-128. On road S511, 61 km north of Agadir. Abundant along roadside. Productive, shatters readily. Wild.
- 388759 and 388760.** *AVENA FATUA* L. Gramineae. **Wild oats.**
- 388759.** W-97. Sema, northwest of Tetouan, along rock cliff southwest of village. Mostly small plants. Wild.
- 388760.** W-108. Afensou, north of Taroudannt, along small gorge. Wild.
- 388761 and 388762.** *AVENA STERILIS* L. **Animated oats.**
- 388761.** W-105. On road S302, south of Ain-Aicha. Plant to 2 m tall. Vigorous in and at edge of wheatfield. Wild.
- 388762.** W-115. On road 6703, south of Ait-Ouirir. Wild.
- 388763.** *BRASSICA SINAPISTRUM* Boiss. Cruciferae.
W-101. On road S601, 22 km north of road P38. Plants very productive along edge of cultivated grain field. Deep purple stems. Wild.
- 388764.** *BRASSICA TOURNEFORTHII* Gouan
W-129. On road P30 to Tiznit, 24 km south of Agadir. Prolific, tumbleweed type. Wild.
- 388765.** *BRIZA MAXIMA* L. Gramineae. **Big quaking grass.**
W-98. On west side of road S601 immediately north of junction of road 8303 to Ceuta. Wild.
- 388766 and 388767.** *BRIZA MINOR* L. **Little quaking grass.**
- 388766.** W-99. On west side of road S601 immediately north of junction of road 8303 to Ceuta. Plant short to 0.2 m. Very abundant. Wild.
- 388767.** W-127. Jbel Mouchchene, 22 km south of Tiddas. On hillside. Wild.
- 388768.** *CARRICHTERA ANNUA* (L.) DC Cruciferae.
W-131. Between the villages of Aouzeroual and Zriouila. Plant short, fully mature. Productive for small size. Good seed retention. Wild.
- 388769 and 388770.** *CITRULLUS COLOCYNTHIS* (L.) Schrad. Cucurbitaceae. **Colocynth.**
- 388769.** W-141. Along road, 37 km south of Ireherm. Very arid area. Wild.
- 388770.** W-153. Along dry roadside, 45 km west of Kar-es-Souk. Seed from dried fruits of previous season. Wild.
- 388771 to 388782.** *CRAMBE FILIFORMIS* Jacq. Cruciferae.
- 388771.** W-111. Scattered plants along roadside slopes from Tizi-n-Test pass, southward on road S501 for 13 km. Abundant, especially on west slopes. Variable maturity depending on exposure and elevation. Wild.
- 388772.** W-112. Along steep roadside slopes, 8 km south of Idni on S501. Wild.
- 388773.** W-113. Along steep roadside slopes on S501, 40 km south of Asni. Wild.

388753 to 388819—Continued**388771 to 388782—Continued**

- 388771.** W-114. Along steep roadside slopes on S501, 27 km south of Asni. Wild.
- 388775.** W-117. Along small river between Tioumiline and Azrou, 1.5 to 2 km south of Azrou. On steep banks and edge of stream. Late maturing. Wild.
- 388776.** W-132. Between Tizourhane and Souk Tnine-de-Tarsouate, 40 km west of Tafraoute. Along steep slopes on both sides of road. Wild.
- 388777.** W-133. On road S509, 10 km east of Tafraoute. Dry river bed. Small population. Wild.
- 388778.** W-135. On road S509, 16 km east of Tafraoute. Rocky, dry slopes. Growing in association with *C. kralikii*. Wild.
- 388779.** W-140. Scattered 15 to 18 km west of Irherm on road 7038. Along rocky slopes on roadside. Plants small, few seeds. Wild.
- 388780.** W-143. On road P31, 6 km north of Taddert. Steep slopes of roadside. In early fruit, June 15. Wild.
- 388781.** W-144. On road P31, 1 km south of Taddert. Along steep slopes of roadside. Wild.
- 388782.** W-160. On paved mountain road, 8 to 9 km west of Debdou. Along roadside and steep adjacent slopes. Small population. Wild.

388783 to 388794. CRAMBE HISPANICA var. GLABRATA (DC.) Coss.

- 388783.** W-96. Rabat. Grown by Dr. J. Mathez, Mohammed University. Original source 27 km east of Khenifra. Plants 1 to 1.5 m tall, mature. Large, tan colored fruits, no leaves. Cultivated.
- 388784.** W-106. On sandstone outcrop, west slope, 1 to 1.5 km northeast of Sebt-des-Brikyine, 15 km northwest of Benguerir. Large, prolific plants to 2 m, shallow rooted in poor soil. Leaves large. Stems pithy or hollow. Seeds large. Wild.
- 388785.** W-116. Azrou. Few scattered plants on large rock near town center. Wild.
- 388786.** W-119. Off road S131, 32 km southwest of Moulay-Bouazza. On steep cliff east of road. Wild.
- 388787.** W-120. Off road S131, 10 km southwest of Moulay-Bouazza. On steep cliff southeast of road. Wild.
- 388788.** W-121. On road S131, 5.5 km west of Moulay-Bouazza. Along rocks sloping to road on north. Wild.
- 388789.** W-122. On road S131, 5 km west of Moulay-Bouazza. Along rocks sloping to road on north. Open exposure. Three plants, mature June 4. Wild.
- 388790.** W-123. Jbel Mouchchene, 22 km south of Tiddas on road S209. South slope of rocky cliff north of main road near forestry observational outlook. Wild.
- 388791.** W-124. Jbel Mouchchene, 22 km south of Tiddas, east of P.I. 388790 on smaller rocky peak. Wild.
- 388792.** W-125. On main rocky peak of Jbel Bella, 22 km south of Tiddas. South to southeast exposure. Wild.
- 388793.** W-126. Jbel Bella, 22 km south of Tiddas. Immediately southwest of P.I. 388792 along lower rocky peak. Wild.
- 388794.** W-158. On road 2516, 5 km northwest of Khenifra. Plants heavily grazed by goats. High rocky bluff east of road. Wild.

388753 to 388819—Continued**388795 to 388802.** CRAMBE KRALIKII Coss.

388795. W-134. On road S509 16 to 17 km east of Tafraoute. Along dry streambeds and roadside slopes. Approaching maturity, basal leaves only. Wild.

388796. W-136. On road S509, 19 km east of Tafraoute. Abundant on windy, steep, dry slopes along road. Wild.

388797. W-145. On road P32, 47 km north of Tazenakht. Along dry slopes of roadside and near dry stream. Plants mostly small. Wild.

388798. W-146. Along roadside, 17 km north of Tazenakht. Large plants scattered, not abundant, insect defoliation. Wild.

388799. W-149. Gorges du Dades, 32 km north of Boumaine. Vertical rocky cliffs in narrow gorge. Wild.

388800. W-151. Gorges du Dades, 58 km north of Boumaine. Upper end of gorges above a river on steep slopes. Very late maturity. Wild.

388801. W-152. South edge of Msemrir on steep shaly slopes west of road. Few plants, late maturing. Wild.

388802. W-154. Along steep cliff above river, both sides of road P21, 65 km south of Mildelt. Immediately south of river bridge crossing, north of Rich. Wild.

388803 and 388804. ERUCA PINNATIFIDA Pomel Cruciferae.

388803. W-155. Near road P21, 49 km south of Mildelt. Single productive plant. Wild.

388804. W-161. In roadside ditch on road P1, 5 km west of Taourirt. Plants productive, fully mature June 19, partially shattered. Wild.

388805. FESTUCA ARUNDINACEA Schreb. Gramineae. **Tall fescue.**

W-150. Gorges du Dades, 42 km north of Boumaine. Along irrigation aquaduct. Hot, dry area. Wild.

388806. HIBISCUS sp. Malvaceae.

W-107. Hotel Salam courtyard, Taroudannt. Attractive bell-shaped flowers, tall woody shrub. Wild.

388807. LIMONIUM sp. Plumbaginaceae.

W-130. On road P30, 57 km south of Agadir. Abundant ornamental. Flowers blue, everlasting. Wild.

388808. LIMONIUM sp.

W-147. Very dry areas along roadside, 4 km north of Tazenakht on road P32. Attractive yellow ornamental, everlasting, abundant. Wild.

388809. LIMONIUM sp.

W-162. Very arid areas not far from roadside, 5 km west of Taourit on road P1. Attractive white ornamental, everlasting. Wild.

388810. LINUM sp. Linaceae.

W-102. On road S601, 1 km north of road P38. Near water in ditch. Plants small, flowers light blue. Wild.

388811. LINUM sp.

W-109. Two km south of Afensou. In small terraced area along a gorge, near the river. Cultivated.

388812. LOTUS sp. Leguminosae.

W-110. Three km south of Afensou. Vigorous among rocks in deep gorge. Wild.

388813. LOTUS sp.

W-157. Immediately southeast of Beni-Mellal on mountain road. Grazed area on slopes. Limited mature pods. Wild.

388814. LYGEUM SPARTUM Loeffl. ex Jusl. Gramineae.

W-156. In esparto area, just west of Mildelt on road P21. Wild.

388815. NESLIA PANICULATA (L.) Desv. Cruciferae.

W-139. Thirty-nine km southwest of Irherm. Single, short plant, mature. Good seed retention. Wild.

388753 to 388819—Continued

- 388816.** RAPISTRUM RUGOSUM All. Cruciferae.
W-100. On road S601, 22 km north of road P38, east of highway. Wild.
- 388817.** SCORPIURUS MURICATA L. Leguminosae. Scorpiontail.
W-103. On road S601, 1 km north of road P38. Wild.
- 388818.** VICIA sp. Leguminosae.
W-137. Along roadway, 39 km southwest of Irherm. Wild.
- 388819.** ZILLA MACROPTERA Coss. Cruciferae.
W-148. On road P32, 52 km north of Tazenakht. Spiny crucifer in dry areas. Wild.

388820 to 388827.

From Cyprus. Seed collected by G. A. White, Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland and K. J. Lessman, Department of Agronomy, Purdue University, Lafayette, Indiana. Received May 22, 1974.

- 388820 and 388821.** AVENA STERILIS L. Gramineae. Animated oats.
388820. WL-69. Near Cape Greco and 3 km north. Abundant. Wild.
388821. WL-73. Two km southwest of Larnaca tis Lapithou, 27 km northwest of Nicosia. Along road and edge of grain fields. Very abundant. Wild.
- 388822 and 388823.** CRAMBE HISPANICA L. Cruciferae.
388822. WL-71. Immediately northwest of Larnaca tis Lapithou on terraced slopes just below steep cliffs. Plants productive, 0.75 to 1.8 m tall. Wild.
388823. WL-72. Larnaca tis Lapithou. Plants 0.75 to 1.8 m tall. Stems red, stiff, mature. Wild.
- 388824.** MEDICAGO sp. Leguminosae.
WL-70. On west side of main highway, 3 to 5 km north of Cape Greco. Annual plants, mature. Abundant seeder. Along high, rocky outcrop. Wild.
- 388825.** VICIA sp. Leguminosae.
WL-66. On rocks or low shrubs, Greco. Plants fully mature. Wild.
- 388826.** VICIA sp.
WL-67. Cape Greco. Only 2 to 3 plants with pubescent foliage. Stems and pods mature April 30. Wild.
- 388827.** Undetermined Cruciferae.
WL-68. Cape Greco. Plants with yellow flowers, sprawling. Productive with good seed retention. Abundant. Wild.

388828 to 388849.

From Italy. Seed collected by G. A. White, Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland and K. J. Lessman, Department of Agronomy, Purdue University Lafayette, Indiana. Received June 5, 1974.

- 388828.** AVENA FATUA L. Gramineae. Wild oats.
WL-84. Cea di Bari, 6 to 7 km southeast of Tortali, Sardinia. Mostly immature, small plants in grazed area. Larger plants along roadway. Along rocky, east slope. Wild.
- 388829.** AVENA STERILIS L. Animated oats.
WL-79. Along roadway of autostade, near Catania, Sicily, on way to Palermo. Vigorous plants, abundant. Wild.
- 388830.** BRIZA MAXIMA L. Gramineae. Big quaking grass.
WL-88. Cea di Bari, southeast of Tortali, Sardinia. Tall plants. Abundant, especially along dirt farm roads. Wild.
- 388831.** BRIZA MINOR L. Little quaking grass.
WL-95. Between Cea di Bari and Tortali. Two small plants in early flowering. Along roadside. Wild.

388828 to 388849—Continued**388832 to 388840.** CRAMBE HISPANICA L. Cruciferae.

- 388832.** WL-75. Gargano area, Coppa Rossa, 5 km northwest of Carpino. Plants large, some to over 2 m tall, thick stemmed. Early flowering to almost mature fruits on May 7. Growing in olive grove below old farm building. Wild.
- 388833.** WL-76. On road 146 between Carpino and Ischitella, at crossing of Torrente Speraddio. Medium to late flowering, fruits mostly green. Along roadside and stream. Wild.
- 388834.** WL-77. Gargano, about 3.5 km south of Rodi Garganico. Some plants very large. Cordate leaves, large, in fruit but immature. Along roadside near stream. Wild.
- 388835.** WL-80. Cea di Bari, 6 km southeast of Tortali, Sardinia. Plants to 0.65 m tall. Flowers with purple eyes. Along rocky fence bordering road. East-southeast exposure near sea level. Wild.
- 388836.** WL-81. Cea di Bari, 6 km southeast of Tortali, Sardinia. Plants very small. Earlier maturity than P.I. 388835. Along rock fence near P.I. 388835. Wild.
- 388837.** WL-82. Cea di Bari, 6 km southeast of Tortali, Sardinia. Single large plant among short types. Short, secondary branches with close arrangement of seeds along fruiting branches. Flowers with purple eyes. Near P.I. 388835 and P.I. 388836. Wild.
- 388838.** WL-83. Cea di Bari, 7 km southeast of Tortali, Sardinia. Plants large and vigorous. Fruits large. Flowers with purple centers. Seed closely spaced on fruiting branches. Some abnormal growth. Wild.
- 388839.** WL-90. Between Cea di Bari and Tortali, Sardinia. Elevation 50 to 75 m. Large, well adapted plants. Flowers with purple eyes. Dark purple colored seed. Growing on rocky slope. Wild.
- 388840.** WL-91. Between Cea di Bari and Tortali, Sardinia. Multiseeded at nodes (usually 4 seeds). Single plant growing on rocky slopes. Similar to P.I. 388839. Wild.
- 388841.** LINUM sp. Linaceae.
WL-86. Cea di Bari, 7 to 8 km southeast of Tortali, Sardinia. Fine stemmed, but not lodged. Flowers light blue. In early fruit. Along secondary roadway, not far from the sea. Wild.
- 388842.** MELILOTUS SULCATA Desf. Leguminosae.
WL-94. Between Cea di Bari and Tortali, Sardinia. Elevation 50 to 75 m. Plants tall, vigorous. Flowers late. Wild.
- 388843.** OXALIS sp. Oxalidaceae.
WL-89. Cea di Bari, Sardinia, 7 km southeast of Tortali. Along dirt farm road. Very attractive, large yellow flowers. Perennial, produces bulblets. Wild.
- 388844.** PISUM SATIVUM L. Leguminosae. **Pea.**
WL-93. Between Cea di Bari, and Tortali, Sardinia. Elevation 50 to 75 m. Plants scattered, vigorous. Pods large, some damaged. Wild.
- 388845.** SINAPIS ALBA L. Cruciferae.
WL-87. Cea di Bari, southeast of Tortali, Sardinia. Sprawling, abundant, often occurring in small masses. Wild.
- 388846 and 388847.** SOLANUM SODOMEUM L. Solanaceae.
- 388846.** WL-74. Immediately northeast of Carpino, Gargano area. Single plant, rare, spiny. Several yellow and green fruits. On steep, rocky slope. Wild.
- 388847.** WL-85. Cea di Bari, 6 km southeast of Tortali, Sardinia. Thorny shrub. Wild.
- 388848.** VICIA SATIVA L. Leguminosae. **Common vetch.**
WL-92. Between Cea di Bari and Tortali, Sardinia. Abundant among rocks and small shrubs. Mostly immature. Wild.

388828 to 388849—Continued

388849. Undetermined Cruciferae.

WL-78. Five km from Vico di Gargano. Plant with sprawling habit. Fruit rounded with pointed end, mostly immature. Flowers white. Wild.

388850 to 388858.

From Portugal. Seed collected by K. J. Lessman, Department of Agronomy, Purdue University, Lafayette, Indiana. Received July 5, 1974.

388850 to 388857. CRAMBE HISPANICA var. GLABRATA (DC.) Coss.
Cruciferae.

388850. L-96. Baixo Alentejo Province, Barrancos. South side of Ribeira de Murtagao near old Roman bridge about 5 km southeast of road N258. Shale cliff. Large seeded, smooth round stems. Nearly glabrous. Wild.

388851. L-105. Penamacor, 50 m below square brick tower on east rocky slope. Tall vigorous plants with large seeds. Seven plants in briar patch on rocky crevice. Wild.

388852. L-106. Along the river Douro near the railroad station, Douro. Tall, vigorous. Wild.

388853. L-107. South of the river Tua at the railroad station, S. Mamede De Tua. Fifth m from station along stone wall. Very large plants. Growing in association with cactus. Wild.

388854. L-108. Tua, 0.5 km west of railroad station. Along loose shale of tracks. Large plants, very mature. Wild.

388855. L-109. Along the narrow road to Covas Do Douro, near Pesinho. Tall, very successful population. Wild.

388856. L-110. Village of Pinhao, near Rio Douro. Many vigorous plants along steep roadside slope. Wild.

388857. L-111. Pinhao, along the roadside near Rio Douro. Large seed. Wild.

388858. Undetermined Leguminosae.

L-97. Approximately 2 km north of highway N124, 20 km east of Bartolomeu de Messines. Among rocks, well drained but moisture available. Wild.

388859 to 388877.

From Spain. Seed collected by G. A. White, Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland and K. J. Lessman, Department of Agronomy, Purdue University, Lafayette, Indiana. Received July 26, 1974.

388859. BRASSICA TOURNEFORTII Gouan Cruciferae.
W-167. Along roadside, Gergal. Wild.

388860 to 388870. CRAMBE FILIFORMIS Jacq. Cruciferae.

388860. L-102. Along highway C344 from Malago to Rhonda. Plants tall, flowering and early fruit on May 30, very competitive. Wild.

388861. L-103. Southwest of Cassabermeja at first crossing of Rio Guadalmedina on main road to Malaga. West side. Tall plant, very well developed. Many plants in population in early fruit. Wild.

388862. W-163. Along roadside and adjacent slopes, 11 to 12 km north of Malaga on main highway. Near windy crossing of Rio Guadalmedina. Some very large plants. Wild.

388863. W-164. Loja, along rocky highway slopes, calcareous rock. Plants small, limited mature fruit. Wild.

388864. W-168. On highway C339, 7.5 to 11 km west of Rhonda. Small population, scattered along roadside slopes. Wild.

388865. W-169. On highway C339, 1.5 km west of Rhonda. Abundant along roadside. Plants large, productive. Wild.

388859 to 388877—Continued**388860 to 388870—Continued**

- 388866.** W-170. On road C344, 15 km east of Rhonda. Few scattered plants. Wild.
- 388867.** W-171. On road C344, 40 km east of Rhonda. Few plants. Wild.
- 388868.** W-172. On road to Antequera, 17 km north of Malaga. Wild.
- 388869.** W-173. Along road N432, north of Alcala la Real near Castillo de Locubin. On windy roadside slopes. Elevation 940 m. Wild.
- 388870.** W-174. Twelve km northwest of Cordoba. Along windy, steep slopes. Small population, most seed had shattered on July 7. Wild.

388871 to 388874. CRAMBE HISPANICA var. GLABRATA (DC.) Coss.

- 388871.** L-98. Casa Hinojales, 13 km south of Portezuelo. Along the river. Plants tall, tending toward pubescence but mostly glabrous. Flowers purplish white. Wild.
- 388872.** L-99. Casa Hinojales, 13 km south of Portezuelo. Along the river. Growing on rocky shale. Wild.
- 388873.** L6100. West bank of Rio Guadiana, 0.5 km below dam, northeast of Puerto de los Carneros. On sharp curve of secondary road. Tall growing plants among yellow flowered mustards. Wild.
- 388874.** L-104. Jativa, 1 km south of Castillo Blanca, 600 m north of south tip of ridge. Growing along the cliff facing the city of Jativa. Plants very mature. Seed very large. Wild.

388875. ERUCA VESICARIA (L.) Cav. Cruciferae.

W-165. Along roadside, Gergal. Large plants, fully mature. Good seed retention. Wild.

388876. RESEDA sp. Resedaceae.

W-166. Along roadside, Gergal. Large plants, abundant. Good seed producers. Wild.

388877. Undetermined Leguminosae.

L-101. Southwest of Casabermeja at first crossing of Rio Guadalmedina on main road to Malaga. West side among rocks. Plants spreading to 3 m in diameter. Wild.

388878 to 388896. PENNISETUM PURPUREUM Schumacher**Gramineae.****Elephant grass.**

From Brazil. Seed collected at Instituto de Pesquisas Agropecuarias, Agrostologia Km 47, Rio de Janeiro by S. C. Schank, Department of Agronomy, University of Florida, Gainesville, Florida. Received August 15, 1974.

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|---|--------------------------------|
| 388878. 'Cachoeira do Itapemirim'. | 388888. 'Porto Rico'. |
| 388879. 'Cameron'. | 388889. 'Taiwan A-25'. |
| 388880. 'Cubano'. | 388890. 'Taiwan A-143'. |
| 388881. 'IPEACO'. | 388891. 'Taiwan A-144'. |
| 388882. 'Merker—SEA'. | 388892. 'Taiwan A-146'. |
| 388883. 'Merkeron'. | 388893. 'Taiwan A-148'. |
| 388884. 'Merkeron Meulo'. | 388894. 'Taiwan 241'. |
| 388885. 'Merkeron Pinda'. | 388895. 'Turrialba'. |
| 388886. 'Mineirao'. | 388896. 'Vrukwona'. |
| 388887. 'Napier—SEA'. | |

388897 and 388898. FESTUCA ARUNDINACEA Schreb.

Gramineae.

Tall fescue.

From Japan. Seed presented by the Laboratory of Grass Breeding, Hokkaido National Agricultural Experiment Station, Hitsujigaoka, Toyohira-ku, Sapporo. Received July 19, 1974.

388897. 'Hokuryo'. Twenty-seven clone synthetic developed from ecotypes from natural stands of unknown origin. Good seedling vigor, high yielding, and winter hardy. Abundant broad leaves. Good resistance to *Helminthosporium dictyoides*. Matures about one week later than Kentucky 31 in Hokkaido.

388898. 'Yamanami'. Twenty-seven clone synthetic selected from 2,500 spaced plant nursery. High yielding, early maturing. Some resistance to *Helminthosporium dictyoides*. Seed production better than Kentucky 31.

388899 and 388900.

From Turkey. Seed presented by the Agricultural Attache, American Embassy, Ankara. Received June 4, 1974.

388899. AGROPYRON CRISTATUM (L.) Gaertn. Gramineae.

Crested wheatgrass.

G-20. Horasan, Erzurum.

388900. VICIA ERVILIA (L.) Willd. Leguminosae.
L-1588.

Bitter vetch.

388901 to 388910. CARTHAMUS TINCTORIUS L. Compositae.

Safflower.

From Iran. Seed presented by A. Mojtahedi, Oilseed Research and Development Company, Tehran. Received May 17, 1974.

388901. LRV-51-37. Winter type.

388902. LRV-51-41. Winter type.

388903. LRV-51-697. Winter type.

388904. V-49/848. Spring type, drought resistant.

388905. V-50/63. Spring type, high yielding line.

388906. V-50/166. Spring type, high yielding line, 37 percent oil.

388907. V-50/167. Spring type.

388908. V-50/426. Spring type, high yielding line, 38 to 39 percent oil.

388909. V-51-140. Spring type, 38 to 39 percent oil.

388910. V-51/263. Spring type, yielding line.

388911. PROSOPIS CHILENSIS (Molina) Stuntz Leguminosae.

Algaroba.

From Argentina. Seed presented by J. A. Perez, Facultad de Agronomia, Santa Rosa, La Pampa. Received August 8, 1974. La Calera, Cordoba Province, Belgrano-San Luis Department..

388912 to 389001. ORYZA SATIVA L. Gramineae.

Rice.

From Japan. Seed presented by Plant Disease Research Laboratory, Agricultural Research Service, Frederick, Maryland through Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Received September 1, 1974.

388912. Norin 18.

388913. Kinmaze. Hyogo Experiment Station.

388914. Norin 22. Hiroshima Experiment Station.

388915. Sasashigure. Miyagi Experiment Station.

388916. Norin 29. Chiba Experiment Station.

388912 to 389001—Continued

- 388917. Fudisaka 5. Miyagi Experiment Station.
- 388918. Norin 17. Akita Experiment Station.
- 388919. Mihonishiki. Kagawa Experiment Station.
- 388920. Norin 41. Akita Experiment Station.
- 388921. Ginmasari. Chiba Experiment Station.
- 388922. Norin 25. Gunma Experiment Station.
- 388923. Chokai, Akita Experiment Station.
- 388924. Norin 1. Chiba Experiment Station.
- 388925. Koshijiwase 14. Niigata Experiment Station.
- 388926. Senbon Asahi 15. Hyogo Experiment Station.
- 388927. Kogane 16. Hiroshima Experiment Station.
- 388928. Norin 35. Tochigi Experiment Station.
- 388929. Norin 21. Niigata Experiment Station.
- 388930. Yachikogane 19. Experiment Station.
- 388931. Akebono 20. Kagawa Experiment Station.
- 388932. Beni Sengoku 21. Fukoka Experiment Station.
- 388933. Norin 37. Fukoka Experiment Station.
- 388934. Norin 24. Tochigi Experiment Station.
- 388935. Rikuu 132. Rikuu Experiment Station.
- 388936. Norin 8. Kanagawa Experiment Station.
- 388937. Tosan 38. Kagawa Experiment Station.
- 388938. Norin 12. Fukuoka Experiment Station.
- 388939. Norin 23. Hyogo Experiment Station.
- 388940. Norin 6. Tochigi Experiment Station.
- 388941. Aichi Asahi. Hiroshima Experiment Station.
- 388942. Kotobuki Mochi. Hyogo Experiment Station.
- 388943. Norin Mochi 5. Fukoka Experiment Station.
- 388944. Shinano Mochi 3. Miyagi Experiment Station.
- 388945. Echigonebari. Niigata Experiment Station.
- 388946. Norin 12. Gunma Experiment Station.
- 388947. Norin 24. Kanagawa Experiment Station.
- 388948. Wakaba. Aichi, Japan.
- 388949. Koganenishiki. Miye, Japan.
- 388950. Yachi Kogane. Nigata, Japan.
- 388951. Fujisaka 5. Aomori, Japan.
- 388952. Towada. Aomori, Japan.
- 388953. Bandaiwase. Nigata. Japan.
- 388954. Shirakane. Toyama, Japan.
- 388955. New 7. Nigata, Japan.
- 388956. Reishiko. Hiratsuka. Japan.
- 388957. Salak. Hiratsuka. Japan.
- 388958. Usen (So. China). Hiratsuka, Japan.
- 388959. Wase Aikoku. Hiratsuka, Japan.

388912 to 389001—Continued

388960. Wase Aikoku. Hiratsuka, Japan.
388961. Mayang Sagampul. Hiratsuka, Japan.
388962. Norin 21. Hiratsuka, Japan.
388963. Shin 7. Hiratsuka, Japan.
388964. Koshigi Wase. Hiratsuka, Japan.
388965. Fukunishiki. Tokyo, Japan.
388966. Tachikara. Chugoku Agricultural Experiment Station, Hiroshima, Japan.
388967. Manryo. Chugoku Agricultural Experiment Station, Hiroshima, Japan.
388968. Yamatomi. Chugoku Agricultural Experiment Station, Hiroshima, Japan.
388969. Tanchomochi. Chugoku Agricultural Experiment Station, Hiroshima, Japan.
388970. Kibiyoshi. Chugoku Agricultural Experiment Station, Hiroshima, Japan.
388971. Caello. Chugoku Agricultural Experiment Station, Hiroshima, Japan.
388972. Ca Kv Na. Chugoku Agricultural Experiment Station, Hiroshima, Japan.
388973. Hkawlev. Chugoku Agricultural Experiment Station, Hiroshima, Japan.
388974. Hkawleph. Chugoku Agricultural Experiment Station, Hiroshima, Japan.
388975. Calaveb. Chugoku Agricultural Experiment Station, Hiroshima, Japan.
388976. Canawna. Chugoku Agricultural Experiment Station, Hiroshima, Japan.
388977. Khawtawshi. Chugoku Agricultural Experiment Station, Hiroshima, Japan.
388978. No data.
388979. Catawlaki. Chugoku Agricultural Experiment Station, Hiroshima, Japan.
388980. Ca Eh. Chugoku Agricultural Experiment Station, Hiroshima, Japan.
388981. Canawmji. Chugoku Agricultural Experiment Station, Hiroshima, Japan.
388982. Canawlokyi Ehre. Chugoku Agricultural Experiment Station, Hiroshima, Japan.
388983. Calowet. Chugoku Agricultural Experiment Station, Hiroshima, Japan.
388984. Calough. Chugoku Agricultural Experiment Station, Hiroshima, Japan.
388985. Cakauch. Chugoku Agricultural Experiment Station, Hiroshima, Japan.
388986. Hawcei. Chugoku Agricultural Experiment Station, Hiroshima, Japan.
388987. Hkaw Make. Chugoku Agricultural Experiment Station, Hiroshima, Japan.
388988. Hkaw Plelo. Chugoku Agricultural Experiment Station, Hiroshima, Japan.

388912 to 389001—Continued

388989. Ca Nawnach. Chugoku Agricultural Experiment Station, Hiroshima, Japan.
388990. Mangetsu-Mochi. Central Agricultural Experiment Station, Konoso, Japan.
388991. Kagura-Mochi. Central Agricultural Experiment Station, Konoso, Japan.
388992. Yomomasari. Fukui Agricultural Experiment Station.
388993. Wakakusa. Fukui Agricultural Experiment Station.
388994. Sanppuku. Fukui Agricultural Experiment Station.
388995. Sansaninishiki. Furukawa, Japan.
388996. Yoneshiro. Fujisaka, Japan.
388997. Mutsu Kogane. Fujisaka, Japan.
388998. Reimei. Fujisaka, Japan.
388999. Shiranui. Kyushu, Japan.
389000. Kotominori. Tokai-kinki, Japan.
389001. Tadukan.

389002 to 389103. ORYZA SATIVA L. Gramineae. Rice.

From Taiwan. Seed presented by Plant Disease Research Laboratory, Agricultural Research Service, Frederick, Maryland through Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Received September 1, 1974.

389002. Nago 1. G.N. Asai.
389003. Kaoshiung 135. G. N. Asai.
389004. Kaoshiung 122. G. N. Asai.
389005. Kunigami No. 1. G. N. Asai.
389006. Chianung No. 242. Asai.
389007. Taichu Mochi No. 46. Asai.
389008. Taichung 65.
389009. Kao Chio.
389010. Kung Shun.
389011. No data.
389012. Kaochung Tali.
389013. Pai Kan Tac.
389014. Kanto 51.
389015. Chianung Yu 280.
389016. Taichung 171.
389017. Taichung Lino 33.
389018. Kwang Fu 1.
389019. Chianung 242.
389020. Custugulucule.
389021. Taichung Tichio.
389022. Nung Lin 21.
389023. Sensho.
389024. Natala.
389025. I Kan Poo Chee.
389026. Taichu 171. Hiratsuka.

389002 to 389103—Continued

389027. Kwanfu No. 1. Hiratsuka.
389028. Kwanfu No. 1. Hiratsuka.
389029. Chianung-Yu 242. Hiratsuka.
389030. Chianung-Yu 280. Hiratsuka.
389031. Kunshan-Wu-Shian-Kei. Hiratsuka.
389032. Tamxoan 4. Tari.
389033. Som Cau 706. Tari.
389034. Nohrin 1. Tari.
389035. Nohrin 1. Tari.
389036. Ai-chueh-Ll. Tari.
389037. Ai-chueh-Ta-Pai-Ku. Tari.
389038. Ch'a-Tao. Tari.
389039. Chang-Shui-Tao. Tari.
389040. Ch'en-Shih-Tsao. Tari.
389041. Chi-An-Tsao. Tari.
389042. Ch-Chao-Shien. Tari.
389043. Chi-Mei No. 6. Tari.
389044. Chi-Sheng-Tsao. Tari.
389045. Chi-Yueh-Ku. Tari.
389046. Ch'ih-Chiang-Mao-Su. Tari.
389047. Chih-Hsueh-Lan-Pai. Tari.
389048. Chin-Feng-Hsueh. Tari.
389049. Chin-Hsien-Keng. Tari.
389050. Chin-Hsien-Tsao. Tari.
389051. Chin-Men-Tou-Men-Pai-Mi. Tari.
389052. Ching-Chan. Tari.
389053. Chu-Chi-Tsao. Tari.
389054. Chu-Ch-Wan. Tari.
389055. Ch'uan-Chu-T'uan-Tao-Pai. Tari.
389056. Chung-Ta-No. 345. Tari.
389057. Fa-Yu-Tao. Tari.
389058. Fan-Chan No. 2. Tari.
389059. Fu-Chao-Ta-Tsao. Tari.
389060. Fu-Ching-Tsao-Tao. Tari.
389061. Fu-Chou-Tsao. Tari.
389062. Hei-Tu-Tsao. Tari.
389063. Ho-Shang-An-Tsao. Tari.
389064. Hsien-Hsien-Ku. Tari.
389065. Hsien-Yu-Nan-Pen. Tari.
389066. Hsien-Chiang-Tsao-Tao. Tari.
389067. Hsin-Hsing-Pai. Tari.
389068. Hsin-Hsing-Pai No. 9. Tari.
389069. Hsin-Hsing-Pai-Ku. Tari.
389070. Hsu-Hsu-Ku. Tari.

389002 to 389103—Continued

389071. Huang-Chan-Ku. Tari.
 389072. Huang-Chien. Tari.
 389073. Huang-Chu-Shien. Tari.
 389074. Huang-Sang-Ku. Tari.
 389075. Kan-Mi. Tari.
 389076. Kao-Shan-Pai. Tari.
 389077. Keng-Kan-Chan. Tari.
 389078. Keng-Kang-Chan. Tari.
 389079. K'uu-Shan-Wu-Shiang-Keng. Tari.
 389080. Lan-Shiang-Tao. Tari.
 389081. Lin-Sen-K'uai-Chan. Tari.
 389082. Ling-Ho. Tari.
 389083. Lung-Hou-Pai. Tari.
 389084. Lung-Ya-Chan. Tari.
 389085. Min-Hou-Wu-Li. Tari.
 389086. Ning-Yang-Keng. Tari.
 389087. Niu-Chan-Ku. Tari.
 389088. Pa-Yueh-Huang. Tari.
 389089. Pai-Jih-Tung-Chan. Tari.
 389090. Sheng-Li-Hsien. Tari.
 389091. 19 Giau Hen. Tari.
 389092. R.T.S. 29. Tari.
 389093. R.T.S. 3. Tari.
 389094. R.T.S. 4. Tari.
 389095. R.T.S. 27. Tari.
 389096. R.T.S. 26. Tari.
 389097. XXIII Gian Muon. Tari.
 389098. Giong Trang. Tari.
 389099. 194a Goai Hun. Tari.
 389100. R.T.S. 14. Tari.
 389101. IRRRI 5733. Shuan-Lev-Shan. Tari.
 389102. IRRRI 5819. N22. Tari.
 389103. IRRRI 5841. Hea-Tsaa. Tari.

389104 to 389135. ORYZA SATIVA L. Gramineae. Rice.

From Thailand. Seed presented by Plant Disease Research Laboratory, Agricultural Research Service, Frederick, Maryland through Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Received September 1, 1974.

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|---------------------------------|------------------------------|
| 389104. Sardeum. | 389110. Acheh Puten. Mytho. |
| 389105. Tunsart FAO 689. | 389111. Bangpra. Mytho. |
| 389106. Puang Ngeon FAO 677. | 389112. Champasorn. Mytho. |
| 389107. Puang Nahk 16. Bangkok. | 389113. Chofa. Mytho. |
| 389108. Lueng Yai. Mytho. | 389114. Kao Tot Long. Mytho. |
| 389109. Tong Rayadeum. Mytho. | 389115. Kao Sai 70. Mytho. |

389104 to 389135—Continued

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|----------------------------------|---------------------------------------|
| 389116. Lueng On 13. Mytho. | 389126. Kao Tot Long 277. Mytho. |
| 389117. Lueng Tong 334. Mytho. | 389127. Kao Pudas 182. Mytho. |
| 389118. Mayang Ebos 80. Mytho. | 389128. Kesorn 4416-D. Mytho. |
| 389119. Peykeo. Mytho. | 389129. Lueng Tong Pratan 408. Mytho. |
| 389120. Puang Samrit 341. Mytho. | 389130. Nang Tanef. Mytho. |
| 389121. Ros Sucon 129. Mytho. | 389131. Nam Dok Mai. Mytho. |
| 389122. Seri Raja. Mytho. | 389132. Nam Dok Mai 9. Mytho. |
| 389123. Sang Lueng 61. Mytho. | 389133. Pin Kaeow. Mytho. |
| 389124. Xieng Mai T-2. Mytho. | 389134. Pin Keo 85. Mytho. |
| 389125. Bangpra 281. Mytho. | 389135. Sampao Tong 22. Mytho. |

389136. HORDEUM VULGARE L. Gramineae. Barley.

From Germany. Seed presented by E. Rehse, F. Von Lochow-Petkus, Zuchtstation Wetze. Received August 29, 1974.

'Barbo'. Winter.

389137 to 389284. ORYZA SATIVA L. Gramineae. Rice.

From Vietnam. Seed presented by Plant Disease Research Laboratory, Agricultural Research Service, Frederick, Maryland through Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Received September 1, 1974.

- 389137. Samo Ran.
- 389138. Nang Quot T.T.
- 389139. Nang Quot S.T.
- 389140. Doc Phung.
- 389141. O Tre.
- 389142. Nang Cho.
- 389143. Cuon Trau.
- 389144. Doc Phung Lun.
- 389145. Nang Keo.
- 389146. Nang Ech.
- 389147. Trang Lon.
- 389148. Nang Tra.
- 389149. Cadung Ket.
- 389150. Soc Nau.
- 389151. Nang Thom.
- 389152. Ve Vang.
- 389153. Nang Phet Muon.
- 389154. Tau Huong.
- 389155. Nang Chol.
- 389156. Nang X01.
- 389157. Mong Chim.
- 389158. Nangle Rach Gia.
- 389159. Nang Tay Nhoc.
- 389160. Nang Kiev.
- 389161. Nang Dum To.
- 389162. Nang Rung.
- 389163. Tau Binh C.

389137 to 389284—Continued

- 389164. Chiem Chanh 198a.
- 389165. Bau 157.
- 389166. Tep Saigon 229.
- 389167. Giong Chiem 351.
- 389168. Giau Cao 89-B.
- 389169. Nep Ca Cuong.
- 389170. Hin Trang.
- 389171. Ru XII-C.
- 389172. Gie 33-B.
- 389173. Gi.
- 389174. Tam Lun (S.T.).
- 389175. Tan Den.
- 389176. Te Tep. North Vietnam via Hiratsuka, Japan.
- 389177. Nep Vai. North Vietnam via Hiratsuka, Japan.
- 389178. Nua Tep Chang Chien. North Vietnam via Hiratsuka, Japan.
- 389179. Usen.
- 389180. Usen.
- 389181. Chokoto.
- 389182. Yakeiko.
- 389183. Kanto 51.
- 389184. Ishikari-Shiroke.
- 389185. Homare Nishiki.
- 389186. Ginga. Hiratsuka.
- 389187. Norin 22. Hiratsuka.
- 389188. Aichi Asahi. Hiratsuka.
- 389189. Norin 20. Hiratsuka.
- 389190. Ayanishiki. Hiratsuka.
- 389191. Norin 1. Hiratsuka.
- 389192. Norin 17. Hiratsuka.
- 389193. Pi No. 1. Hiratsuka.
- 389194. Pi No. 2. Hiratsuka.
- 389195. Pi No. 3. Hiratsuka.
- 389196. Pi No. 4. Hiratsuka.
- 389197. Sensho. Hiratsuka.
- 389198. Sensho. Hiratsuka.
- 389199. No data.
- 389200. IRRI 6997. Cau Phu Xuyen 264.
- 389201. IRRI 196. Lua Thuoc. Nationale de l'Agriculture, Saigon.
- 389202. IRRI 197. Trang Doc. Nationale de l'Agriculture, Saigon.
- 389203. IRRI 198. Mon Hac. Nationale de l'Agriculture, Saigon.
- 389204. IRRI 199. Nang Chet Cuc. Nationale de l'Agriculture, Saigon.
- 389205. IRRI 200. Nang Cut L.11. Nationale de l'Agriculture, Saigon.
- 389206. IRRI 201. Doc Phung. Nationale de l'Agriculture, Saigon.
- 389207. IRRI 203. Cadung Ket Lo. Nationale de l'Agriculture, Saigon.

389137 to 389284—Continued

- 389208. IRRI 205. Nang Ngoc Trang. Nationale de l'Agriculture, Saigon.
- 389209. IRRI 207. Nang Quot. Nationale de l'Agriculture, Saigon.
- 389210. IRRI 211. Tam Vuot. Nationale de l'Agriculture, Saigon.
- 389211. IRRI 213. Trang Lou. Nationale de l'Agriculture, Saigon.
- 389212. IRRI 216. Samo Trang. Nationale de l'Agriculture, Saigon.
- 389213. IRRI 218. Tat No. Nationale de l'Agriculture, Saigon.
- 389214. IRRI 219. Mong Chim Vang A.
- 389215. IRRI 221. Trang Cut L.41.
- 389216. IRRI 222. Colay.
- 389217. IRRI 224. Doc Phung Lun A.
- 389218. IRRI 227. Nang Xai.
- 389219. IRRI 230. Nang Tay C.
- 389220. IRRI 700. Lua Voi.
- 389221. IRRI 7010. Lua Thom.
- 389222. IRRI 717. Sa Mo R 78.
- 389223. IRRI 8227. 70a Som Cau.
- 389224. IRRI 8229. II Dawn.
- 389225. IRRI 8230. Lun Chim.
- 389226. IRRI 8231. 57 Gie.
- 389227. IRRI 8232. 558 Graw Nghe.
- 389228. IRRI 8233. R.T.S. 5.
- 389229. IRRI 8234. R.T.S. 12.
- 389230. Lua Voi T.T.B.
- 389231. Ba That Nho T.T.B.
- 389232. Samo T.T.
- 389233. Tam Thom Trang Liet.
- 389234. Bau 122 (Thang 10).
- 389235. Hin Trang.
- 389236. Tam Den 516A.
- 389237. Puang Ngeon E49.
- 389238. Tra.
- 389239. Ngoat.
- 389240. Ria.
- 389241. Gie.
- 389242. Manglar.
- 389243. Djidah.
- 389244. Boerajoet.
- 389245. Chiema Nua Chiema Changh To.
- 389246. Tokushu Daihoshu Mytho-San.
- 389247. Muong Pra.
- 389248. Te Thuan Chau.
- 389249. Gie No. 1.
- 389250. Gie No. 1.

389137 to 389284—Continued

389251. Gie No. 1.
 389252. Hop.
 389253. Muong Chim.
 389254. Muong Pra.
 389255. Muong Trai.
 389256. Tam Den.
 389257. Tam Do 1034.
 389258. Tam Deo 151.
 389259. Tam Lua.
 389260. Tam Lun.
 389261. Tam Thom Ngo Khe.
 389262. Tam Thom Trang Liet.
 389263. Tep Trang 176-Ti.
 389264. Nep Chai.
 389265. Ba Trang.
 389266. Giau Dumont.
 389267. Heo Trang.
 389268. Puans Ngeon.
 389269. Te Thuan Chau.
 389270. Tunsart.
 389271. Xa Ro A.
 389272. Nang Quot.
 389273. Nang Quot.
 389274. Nang Quot.
 389275. Nang Tra.
 389276. BA Tuc.
 389277. Chun Rit.
 389278. Mong Chim.
 389279. Nang Chol.
 389280. Nang Thom.
 389281. Soc Nau.
 389282. Tau Huong.
 389283. Ve Vang.
 389284. FSTC D.

389285 to 389297. ORYZA SATIVA L. Gramineae. Rice.

From Okinawa. Seed presented by Plant Disease Research Laboratory, Agricultural Research Service, Frederick, Maryland, through Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Received September 1, 1974.

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| 389285. Wakaba. | 389292. Norin 23. |
| 389286. Tadvkan X Saporica Pi 3. | 389293. Koganenami. |
| 389287. Fusiminori. | 389294. Riku 132. |
| 389288. Pi No. 5. | 389295. Chiyokui. |
| 389289. Kusalriye. | 389296. Touno 4. |
| 389290. Hatsutiisiki. | 389297. Koshihikari. |
| 389291. Aikoku. | |

389298 to 389847. ORYZA SATIVA L. Gramineae. Rice.

From China. Seed presented by Plant Disease Research Laboratory, Agricultural Research Service, Frederick, Maryland, through Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Received September 1, 1974.

389298. Chang-Shou-Chan 3 Keng.

389299. Ban-To. (Sen).

389300. Ko-To (Ko).

389301. Hsun-Jung-Chan.

389302. Oto (Sen).

389303. Ban-Sen (Sen).

389304. No data.

389305. Yoto.

389306. Yoto.

389307. Sen-To.

389308. Koto.

389309. Sanryu Sun Mochi.

389310. Sanbyakubo.

389311. Okoku.

389312. Hirai-No.

389313. Oto (Ko).

389314. Bansen (Uruchi).

389315. Shohaku-To.

389316. Yakei-Ko.

389317. Shososhi Mochi.

389318. So Sen.

389319. Choko-To.

389320. Kosen.

389321. Kokkoku-Mochi.

389322. Koko.

389323. Kosen.

389324. No data.

389325. Sen-To 20.

389326. Chinka-To 3.

389327. Mokuchi Shu 6.

389328. Shohaku-Mochi 1.

389329. Yo-Sen-To 29.

389330. Shoo-To.

389331. No data.

389332. No data.

389333. Boshito (Sen).

389334. Chu-To.

389335. Hankoku.

389336. Ukoku.

389337. Shuso-Shu.

389338. Shusoshu.

389298 to 389847—Continued

- 389339. Ginnen (So).
- 389340. So-Ko.
- 389341. Shinposo.
- 389342. Kinkei-So.
- 389343. Konan-So.
- 389344. Shinpo-San.
- 389345. Romeizan-San.
- 389346. Daiyoba.
- 389347. Komai.
- 389348. Kokyakusen.
- 389349. Geshihaku.
- 389350. Soryu.
- 389351. Geshishiro (Phonetic).
- 389352. Nantoku 14.
- 389353. Kuk Tsai.
- 389354. Lo Shu Ngar.
- 389355. Wong Hux Chai Mei.
- 389356. Pak Huk Chai Mei.
- 389357. Ko Keuk.
- 389358. Pak Kuk
- 389359. Pan Bau Shek.
- 389360. Wong Chim.
- 389361. Yau Chim.
- 389362. Heung Kuk.
- 389363. Sam Che Heung.
- 389364. To Kau Mei.
- 389365. Hung Tau Keng.
- 389366. Chuk Chim.
- 389367. Ham Moon.
- 389368. Tai Lor (Gultinous).
- 389369. Huck Lor (Glutinous).
- 389370. Mao-Tu-Tou.
- 389371. Chiang-Si-Wan.
- 389372. Chin-Shen.
- 389373. Chin-Tsao.
- 389374. BG 6044.
- 389375. IRR1 4278. Ta Ya Bir.
- 389376. IRR1 4234. E Yen Huns.
- 389377. IRR1 4235. E Se Chin.
- 389378. IRR1 4242. Ba Eu Bir.
- 389379. IRR1 4261. Shoa Nan Tsan.
- 389380. IRR1 4262. Shoa Ga Cau.
- 389381. IRR1 4263. Shoa Ma Wei.
- 389382. IRR1 4264. Shoa Moa Fan.

389298 to 389817—Continued

- 389383. IRR I 4267. Ta Lee.
- 389384. IRR I 4271. Ta Bir Goo.
- 389385. IRR I 4277. Ta Shu.
- 389386. IRR I 4279. Ta Ya Shau.
- 389387. IRR I 4282. Ta Moa Shan.
- 389388. IRR I 4284. Ta San Bir Co.
- 389389. IRR I 4288. San Thou Gee.
- 389390. IRR I 4294. San Tou Thou.
- 389391. IRR I 4296. Sha Ma Kan.
- 389392. IRR I 4298. Sixty Days Thou.
- 389393. IRR I 4304. Wu R Chwan Thou.
- 389394. IRR I 4307. Chun Chen 2.
- 389395. IRR I 4309. Chun Shun 10.
- 389396. IRR I 4310. Chun Qua Ma Fon Shua.
- 389397. IRR I 4320. Chun 139-12.
- 389398. IRR I 4323. Chun Dau.
- 389399. IRR I 4324. Bir Hsu Tau (1).
- 389400. IRR I 4325. Bir Hsu Bir Tau.
- 389401. IRR I 4327. Ho Dau.
- 389402. IRR I 4330. Dan Yan Shan Gan.
- 389403. IRR I 4331. Bir Thou.
- 389404. IRR I 4332. Bir Thou.
- 389405. IRR I 4335. Bir Tsan No. 3.
- 389406. IRR I 4337. Bir Geo Tsan.
- 389407. IRR I 4340. Bir Ho.
- 389408. IRR I 4341. Bir Ze Goo.
- 389409. IRR I 4349. Bir Co Se Mau 7.
- 389410. IRR I 4350. Bir Shun.
- 389411. IRR I 4364. Zan Co.
- 389412. IRR I 4366. San Yu Tsan.
- 389413. IRR I 4369. Konesi Thou 0 1.
- 389414. IRR I 4370. Thou Dau.
- 389415. IRR I 4372. Thou Dau 2065.
- 389416. IRR I 4374. Thou R 600.
- 389417. IRR I 4375. Thou Dau Bir Goo.
- 389418. IRR I 4379. Thou Goo Shun.
- 389419. IRR I 4382. Thou Roo Shun.
- 389420. IRR I 4389. Thou 66-13.
- 389421. IRR I 4390. Thou 160-54.
- 389422. IRR I 4391. Thou 20-72.
- 389423. IRR I 4393. Thou 157-56.
- 389424. IRR I 4394. R-Chan Th-u Dau.
- 389425. IRR I 4402. En Chwan Sa Tiad Z.
- 389426. IRR I 4405. Low Shun Dau.

389298 to 389847—Continued

- 389 427. IRR I 4407. Ce Yan Tsan.
389 428. IRR I 4409. Deu Li Mon.
389 429. IRR I 4412. Anhwei au.
389 430. IRR I 4417. Dou Z Shun.
389 431. IRR I 4422. Ze U Huan Thou.
389 432. IRR I 4424. Ze Goo.
389 433. IRR I 4430. Tung Can Bir.
389 434. IRR I 4431. Tung Can Bir.
389 435. IRR I 4433. Tung Can Bir 18.
389 436. IRR I 4434. Tung Can Yea Tsan.
389 437. IRR I 4435. Tung Can Ro Mao.
389 438. IRR I 4436. Tung Yan Chin.
389 439. IRR I 4437. Tung Yan Thou.
389 440. IRR I 4438. Ro Wuan Shun.
389 441. IRR I 4439. Ro Go Shun.
389 442. IRR I 4441. Roo Hwa Bir.
389 443. IRR I 4448. Panye Leu Ge Thou.
389 444. IRR I 4453. Toon Lov Kan.
389 445. IRR I 4455. Tson Le Z Shun (1).
389 446. IRR I 4456. Tson Le Z Shun (3).
389 447. IRR I 4457. Chin Din Chin.
389 448. IRR I 4458. Chin 24 Thou Dau.
389 449. IRR I 4459. Chin Gen.
389 450. IRR I 4460. Chin Lau Thou R Dau.
389 451. IRR I 4461. Chin Mon Wuan.
389 452. IRR I 4462. Hwa Lo Tsan.
389 453. IRR I 4467. Hwa Chiu Goo.
389 454. IRR I 4469. Se Hsin Dau (1).
389 455. IRR I 4470. Min Che Chin Hsu Thou.
389 456. IRR I 4466. Hwa Yea Z.
389 457. IRR I 4471. Min Che Nien Hsu Thou.
389 458. IRR I 4478. Mau She Shun.
389 459. IRR I 4479. Hoo Pea Shun.
389 460. IRR I 4482. U Yuan Bir.
389 461. IRR I 4490. Fa Tien Thou.
389 462. IRR I 4491. Hung Hwa Ro.
389 463. IRR I 4494. Hung Pea Goo.
389 464. IRR I 4496. Hung Gee Tsan.
389 465. IRR I 4497. Hung Bean Tsan.
389 466. IRR I 4498. Hung Goo Z.
389 467. IRR I 4500. Hung Fan Goo.
389 468. IRR I 4501. Hung Pu Tou.
389 469. IRR I 4503. Yan Gen.
389 470. IRR I 4507. Yan Shun (3).
389 471. IRR I 4508. Yan Goo Z 202.
389 472. IRR I 4509. Non Yeu Yan Dau.
389 473. IRR I 4511. Yan Tau Goo.
389 474. IRR I 4514. Shean Goo.
389 475. IRR I 4516. Shean Roo Huan.
389 476. IRR I 4519. Cho Seu Z.
389 477. IRR I 4522. Hu Cha Thou.
389 478. IRR I 4525. Ge Shen Huan.

389298 to 389847—Continued

389479. IRR I 4526. Bau Z Chon Shun.
389480. IRR I 4527. Se Bin E.
389481. IRR I 4528. Bau Gin Ma Goo.
389482. IRR I 4532. Chechon Chun Shun 1.
389483. IRR I 4534. Zo Chow Dau.
389484. IRR I 4535. Pu Cheng Wu Ku Pai.
389485. IRR I 4539. Lien Tsan No. 50.
389486. IRR I 4542. Gan-Wu-Mau.
389487. IRR I 4545. Woo Co Tsan.
389488. IRR I 4550. Woo Lee.
389489. IRR I 4552. Tua Bae Shan Goo.
389490. IRR I 4556. Ha Yan Ta Tsan.
389491. IRR I 4566. Kua Hwa Yuan.
389492. IRR I 4570. Si Jih Goo.
389493. IRR I 4571. Doon Me Tsan.
389494. IRR I 4573. Hea Doo No. 4.
389495. IRR I 4574. Hea Doo No. 4.
389496. IRR I 4579. Le Goo Thou.
389497. IRR I 4580. She Li Co.
389498. IRR I 4581. She Bir Goo.
389499. IRR I 4583. She Ya Chin.
389500. IRR I 4586. Yun Hwa Tsan.
389501. IRR I 4593. Dou U Lan (White stem).
389502. IRR I 4596. Kun Shan Shin Cav.
389503. IRR I 4599. U Lin Tsan.
389504. IRR I 4601. Wai Ten Shun.
389505. IRR I 4602. Wi Bir Shun.
389506. IRR I 4603. Kaogeo Zo Huan O.
389507. IRR I 4604. Mea Ya Bir.
389508. IRR I 4607. Rsao-Chi-Ku.
389509. IRR I 4608. San Li Shun.
389510. IRR I 4609. Fu Mien Hwang.
389511. IRR I 4613. Hunan Shun.
389512. IRR I 4614. Chuan Chu Hunan Chan.
389513. IRR I 4618. Sintan Tsan.
389514. IRR I 4619. Huan Sen Goo.
389515. IRR I 4638. N Gan Tsan.
389516. IRR I 4641. Ba Z Goo.
389517. IRR I 4642. Se Son E.
389518. IRR I 4645. Don Don Che.
389519. IRR I 4655. Hsin Hsin Bir No. 9.
389520. IRR I 4668. I-Z.
389521. IRR I 4680. Fuchow Ta Thou.

389298 to 389847—Continued

- 389522. IRR I 4684. Fon Mou Soo.
- 389523. IRR I 4703. Kau Ba Ce.
- 389524. IRR I 4705. Gu Ge Wuan.
- 389525. IRR I 4707. Gin Sun No. 2363.
- 389526. IRR I 4710. Sha Z Tsan.
- 389527. IRR I 4714. Shuan Tsan.
- 389528. IRR I 4715. Ya Erh Ho 493.
- 389529. IRR I 4726. Zan Mou Tou.
- 389530. IRR I 4729. Liu No Baz Shun.
- 389531. IRR I 4734. Soo Chow No. 3405.
- 389532. IRR I 4735. Nan Shan Dau.
- 389533. IRR I 4737. Nan Che Bir.
- 389534. IRR I 4740. Ho San An Thou.
- 389535. IRR I 4741. Ho San Guo Thou.
- 389536. IRR I 4742. Low Bir Shun.
- 389537. IRR I 4756. Chun Shian 33-1.
- 389538. IRR I 4765. Thou Ta Shun (Red Rice).
- 389539. IRR I 4767. Se Lin R.
- 389540. IRR I 4772. Lee Z Hung.
- 389541. IRR I 4773. Gin Shun.
- 389542. IRR I 4784. Tieh Chui Ku.
- 389543. IRR I 4785. Chua Dau.
- 389544. IRR I 4789. Linsia Shoa Dau.
- 389545. IRR I 4790. Ban Oh.
- 389546. IRR I 4791. Bau Yun Shun.
- 389547. IRR I 4795. 99219.
- 389548. IRR I 4810. 833-5691-11.
- 389549. IRR I 4828. Mou Z Tou.
- 389550. IRR I 4829. Chun Lun 34.
- 389551. IRR I 4850. Kinghen Tou Nen Chia Mu. (Red).
- 389552. IRR I 4862. Hung Tsan.
- 389553. IRR I 4869. Wan 54-33.
- 389554. IRR I 4877. Nen Cheng Ta Kuan Pai.
- 389555. IRR I 4883. Lin Sun Kuai Chan.
- 389556. IRR I 4886. Hsien Yu Nan Pen.
- 389557. IRR I 4260. Shoa Chin Goo.
- 389558. IRR I 4270. Ta Bir Tsan.
- 389559. IRR I 4291. Bir Z Goo.
- 389560. IRR I 4352. Bir Gee Z.
- 389561. IRR I 4626. Huang Chi Hsien.
- 389562. IRR I 4660. Wan Li Shun.
- 389563. IRR I 4739. Chen Chin Tsao.
- 389564. IRR I 4872. Chaum Chu Pai Jih Tsao.
- 389565. IRR I 4865. Hung Ko Man.

389298 to 389847—Continued

389566. IRR I 4377. Thou Bir Shun.
389567. IRR I 4658. Z Gin Ku.
389568. IRR I 4751. Nu R Z.
389569. IRR I 4232. E Ta Chwan.
389570. IRR I 4233. E Che Goo.
389571. IRR I 4239. Che S R Tien.
389572. IRR I 4240. Ba S Z.
389573. IRR I 4255. San Kao Thou.
389574. IRR I 4256. Shoa Bo Goo.
389575. IRR I 4269. Ta Bir Tsan.
389576. IRR I 4274. Ta Bir Goo No. 35.
389577. IRR I 4275. Ta Mam Goo.
389578. IRR I 4257. Shoa Bo Co.
389579. IRR I 4265. Shoa Gen Coa.
389580. IRR I 4268. Ta Le Thou.
389581. IRR I 4272. E Loan Ta Bir Goo.
389582. IRR I 4273. E Loan Ta Bir Goo.
389583. IRR I 4276. Ta Shu Bir.
389584. IRR I 4281. Ta Tou Shun.
389585. IRR I 4283. Ta Ma Shan.
389586. IRR I 4286. Ta Chan Ti Z Shun.
389587. IRR I 4287. San Ya Chi.
389588. IRR I 4290. San Bir Thou.
389589. IRR I 4292. San Bir Lee No. 14.
389590. IRR I 4293. San Yuan Tae Thou Gin.
389591. IRR I 4297. Thou—Sixty Days.
389592. IRR I 4301. Huan—Sixty Days.
389593. IRR I 4302. Lau Ju Si Se Goo.
389594. IRR I 4303. Wu S Thou.
389595. IRR I 4305. Chunlun U Le Thou.
389596. IRR I 4306. Chunlun No. 4.
389597. IRR I 4236. E—Chou—Che.
389598. IRR I 4237. E—Chou—Che.
389599. IRR I 4238. Chou Si Tien.
389600. IRR I 4241. Ba Don Pen.
389601. IRR I 4243. Ba S Thou.
389602. IRR I 4244. Ba S Thou.
389603. IRR I 4245. Ninety Thou.
389604. IRR I 4247. Se Yo Toon Yuanpze.
389605. IRR I 4248. R—DenEs Hsin.
389606. IRR I 4251. R Moa Fan.
389607. IRR I 4252. R Mou Shan.
389608. IRR I 4253. San Han Thou Gen.

389298 to 389847—Continued

- 389609. IRR I 4254. Shan Han Ta Toon.
- 389610. IRR I 4258. Shoa Bir Dau.
- 389611. IRR I 4259. Shoa Bir Tsan.
- 389612. IRR I 4266. Ta Shua.
- 389613. IRR I 4280. Ta Kon Tsan.
- 389614. IRR I 4285. Ta Poo Cho Z.
- 389615. IRR I 4295. San Jou.
- 389616. IRR I 4308. Chun Shun 8.
- 389617. IRR I 4312. Chun 12-606.
- 389618. IRR I 4313. Chun 41-25.
- 389619. IRR I 4314. Chun 57-15.
- 389620. IRR I 4315. Chun 131-31.
- 389621. IRR I 4317. Chun 109-11.
- 389622. IRR I 4318. Chun 118-33.
- 389623. IRR I 4319. Chun 135-45.
- 389624. IRR I 4321. Chun 90-43.
- 389625. IRR I 4328. Tien Sen Bir.
- 389626. IRR I 4329. Sen Tsan Hsu Dau.
- 389627. IRR I 4330. Shan Gan Dau Yan.
- 389628. IRR I 4333. Bir 37 Thou Dau.
- 389629. IRR I 4334. Bir Mee Tsan.
- 389630. IRR I 4336. Bir Hwa Tsan.
- 389631. IRR I 4337. Bir Geo Tsan.
- 389632. IRR I 4339. Bir Goo 5339 (Early var.).
- 389634. IRR I 4343. Bir Fan Goo.
- 389635. IRR I 4344. Bir Chin Goo.
- 389636. IRR I 4346. Bir Co 884.
- 389637. IRR I 4347. Bir Co Tsan.
- 389638. IRR I 4348. Bir Co Ru Mao.
- 389639. IRR I 4351. Bir Yan Shun.
- 389640. IRR I 4355. Bir Ho Sa Pu Goo.
- 389641. IRR I 4356. Bir Chau Gee.
- 389642. IRR I 4357. S Ce Z.
- 389643. IRR I 4358. S Chi O.
- 389644. IRR I 4359. O Coo Thou.
- 389645. IRR I 4360. O Cha 4.
- 389646. IRR I 4361. S Lau Tsan.
- 389647. IRR I 4362. Ce In Tsai.
- 389648. IRR I 4363. Ya Tsan.
- 389649. IRR I 4365. Chen Tsan Co.
- 389650. IRR I 4367. Thou Ho 4.
- 389651. IRR I 4371. Thou Dau 26.
- 389652. IRR I 4373. Thou Hsu Dau.
- 389653. IRR I 4376. Thou R Ho.

389298 to 389847—Continued

389654. IRR1 4378. Thou Shun 5575.
389655. IRR1 4383. Yu Many Tsao Ten Dai.
389656. IRR1 4384. Thou I Z Shun.
389657. IRR1 4385. Thou Den Chi.
389658. IRR1 4386. Thou Hsu Jin Tsan.
389659. IRR1 4387. Thou Za Thou Dau.
389660. IRR1 4388. Thou 46-16.
389661. IRR1 4392. Thou 156-15.
389662. IRR1 4395. Si Shan Z Thou.
389663. IRR1 4396. Bir R Thou No. 3.
389664. IRR1 4397. Hsu Bir Yun An Nien.
389665. IRR1 4401. Kian Tsan.
389666. IRR1 4403. Kianse Wuan.
389667. IRR1 4404. Cau Sow Dau.
389668. IRR1 4406. Low Li Hung.
389669. IRR1 4408. Kian Lin Yan Dau.
389670. IRR1 4410. Chow Geo Shun.
389671. IRR1 4411. Ghow Goo.
389672. IRR1 4413. Chu Yoa Zone.
389673. IRR1 4418. Dou Gen Dau.
389674. IRR1 4419. Qua Yuan Dau.
389675. IRR1 4421. Qua Zone Huan Gen.
389676. IRR1 4425. Luan Ma Chan.
389677. IRR1 4426. Sa Moon Thou Goo.
389678. IRR1 4427. Goor Z.
389679. IRR1 4428. Yu Ri Din Zone.
389680. IRR1 4429. Mon Z Wuan.
389681. IRR1 4440. Roo Hwa Bir.
389682. IRR1 4442. Gin Shun.
389683. IRR1 4443. Gin Bon Tsan.
389684. IRR1 4444. Gin Shan Tsan No. 18.
389685. IRR1 4446. Gin Kan Yen.
389686. IRR1 4447. Panye Ro Ser Huan.
389687. IRR1 4449. Tsao Lu Hsien Wu Chang.
389688. IRR1 4450. Zan Shu Goo.
389689. IRR1 4451. Tsong Goo Thou.
389690. IRR1 4452. Tson Gan Shun.
389691. IRR1 4465. Hwe Roe Bir.
389692. IRR1 4468. Se Hsin Dau.
389693. IRR1 4472. Leu Thou Min Che Huan.
389694. IRR1 4474. E Fon Thou.
389695. IRR1 4475. En Da Yeu Tsan.
389696. IRR1 4476. Ya Hwa Tsan.
389697. IRR1 4477. Gui Lai Tsan.
389698. IRR1 4480. F Hsin Yan Shun.

389298 to 389817—Continued

389699. IRR1 4481. Kuanmin Gea Goo.
389700. IRR1 4483. Nan Ta How.
389701. IRR1 4484. Nanta No. 16.
389702. IRR1 4485. Nan Che Shun.
389703. IRR1 4486. Na Chan Se Goo.
389704. IRR1 4487. Nanking Thou.
389705. IRR1 4489. Fa Li Tsan.
389706. IRR1 4492. Hung Cha Yen.
389707. IRR1 4495. Hung Co Man.
389708. IRR1 4499. Hung Gun Goo.
389709. IRR1 4502. Hung Mau Soo.
389710. IRR1 4504. Chuan Ta Yang Chien.
389711. IRR1 4505. Yan Gen Kou.
389712. IRR1 4506. Yan Shun (1).
389713. IRR1 4510. Yan Shun Dau.
389714. IRR1 4512. Shan San Sa San.
389715. IRR1 4513. Hsiang Pai Hsu.
389716. IRR1 4517. Chau Fon Thou.
389717. IRR1 4518. Cho Sou Gou.
389718. IRR1 4520. Sen Chow Gin Z.
389719. IRR1 4521. Sen Fon Thou.
389720. IRR1 4523. Fon Wei Goo.
389721. IRR1 4524. Shan Co Goo.
389722. IRR1 4529. Che Chou 5441.
389723. IRR1 4530. Chechon No. 3.
389724. IRR1 4531. Chechon No. 9.
389725. IRR1 4533. Cheta No. 676.
389726. IRR1 4538. Lien Tsan No. 73.
389727. IRR1 4540. Lien Chan She Goo.
389728. IRR1 4541. Pu Tsan Lien Chan Sha.
389729. IRR1 4543. Shoa Thou Lien Chan.
389730. IRR1 4544. Lien Chan Ze Thou.
389731. IRR1 4546. Woo Geo Tsan.
389732. IRR1 4547. Woo Doo Tsan.
389733. IRR1 4548. Woo Goo.
389734. IRR1 4549. Woo Co Ta Shua.
389735. IRR1 4553. Gu Wen Gu Gi Goo.
389736. IRR1 4554. Cua Thou.
389737. IRR1 4555. Chuan Hsu Goo.
389738. IRR1 4557. Hi Yan Lee Tsan.
389739. IRR1 4558. Ro Dau.
389740. IRR1 4559. Ro Dau 3065.
389741. IRR1 4560. Ma Li Bin (1).
389742. IRR1 4561. Ma Li Bin (2).

389298 to 389817—Continued

389713. IRR1 4562. Ma Ba Tsan No. 1.
389714. IRR1 4563. Ma Kon Bir.
389715. IRR1 4565. Fu Men Tsan.
389716. IRR1 4567. Thou Len Tson.
389717. IRR1 4568. Tsao Kuo Pi Ko.
389718. IRR1 4569. Cho Bu Cue.
389719. IRR1 4572. Ton Roo Shun.
389750. IRR1 4575. Heh Chien Tsao.
389751. IRR1 4576. Heh Chan.
389752. IRR1 4577. Ha Roo.
389753. IRR1 4578. Moa Z Tou.
389754. IRR1 4582. Jhe Le Thou Dau.
389755. IRR1 4584. She Gan Yan Gen.
389756. IRR1 4585. Shua Hwa Tsan.
389757. IRR1 4587. Shua Nan Tsan.
389758. IRR1 4588. Ma Goo.
389759. IRR1 4589. Ma Deu Goo.
389760. IRR1 4590. Ma Goo Z.
389761. IRR1 4591. Kao Ma Ku.
389762. IRR1 4592. Ma Shan.
389763. IRR1 4594. Dou U Lan (Red stem).
389764. IRR1 4595. O Da Tsan No. 1.
389765. IRR1 4597. Chin Hsien Tsao.
389766. IRR1 4598. Boo Tou Ta Z.
389767. IRR1 4600. Wa Z Shua.
389768. IRR1 4606. Chf Sheng Tao.
389769. IRR1 4610. Fu Mien Huan.
389770. IRR1 4611. Hunan Thou.
389771. IRR1 4612. Hunan Thou.
389772. IRR1 4615. Hukon Thou No. 11.
389773. IRR1 4616. Ju Dau.
389774. IRR1 4617. Hunan Yochow Zone.
389775. IRR1 4620. Huan San Goo.
389776. IRR1 4621. Huan Tsan Goo.
389777. IRR1 4622. Huang Gen.
389778. IRR1 4623. Huan Gen.
389779. IRR1 4624. Huan Goo Shan.
389780. IRR1 4625. Huang Kau Hsien.
389781. IRR1 4627. Huang King Hsien.
389782. IRR1 4628. Huan I Thou.
389783. IRR1 4629. Wuan Dau.
389784. IRR1 4630. Wuan Dau.
389785. IRR1 4632. Wuan Ya Dau.

389298 to 389847—Continued

389786. IRR I 4633. Wuan 54-33.
389787. IRR I 4634. Wan Hsien 6144.
389788. IRR I 4635. Wan Keng 10509.
389789. IRR I 4636. Wan Bir Mee.
389790. IRR I 4637. N Gan Tsan.
389791. IRR I 4639. Yan Chan Zou Tsan.
389792. IRR I 4640. Li Yang Chan.
389793. IRR I 4643. Oan Su Che.
389794. IRR I 4644. Dan Zu Che.
389795. IRR I 4646. Yang Si Tao.
389796. IRR I 4647. Yunnan Bir.
389797. IRR I 4649. Boon Gan Bir.
389798. IRR I 4651. Chu Chou Awnless Rice.
389799. IRR I 4653. Chun Nen Tsan.
389800. IRR I 4654. Senkian Thou Dau.
389801. IRR I 4652. Chun Nen Tsan.
389802. IRR I 4656. Hsin Hsin Bir.
389803. IRR I 4657. Hsin Hsin Bir Goo.
389804. IRR I 4659. Goon Foon Hsue H.
389805. IRR I 4661. Sm Ya Tsan.
389806. IRR I 4664. Tae Ban Den.
389807. IRR I 4665. Nien Thou Mean Chin Taf.
389808. IRR I 4666. I Geo Ta Bir Goo.
389809. IRR I 4667. I Geo Lee.
389810. IRR I 4674. Chun Ya Tsan.
389811. IRR I 4675. Ya Shoa Zon.
389812. IRR I 4676. Fa Yu Tao.
389813. IRR I 4677. Chuan Tsu Yan Tsan.
389814. IRR I 4678. Bir Co Ze Mean Chin.
389815. IRR I 4682. Che Shan Nan Bir.
389816. IRR I 4683. Thee Kian Mou Sou.
389817. IRR I 4685. Tan Goo Thou.
389818. IRR I 4686. Tan Dau Bir.
389819. IRR I 4687. Chuan Chu Tan Dau Bie.
389820. IRR I 4688. Tan Tou Z.
389821. IRR I 4689. Lien Yan Gan.
389822. IRR I 4690. Chin Cheo Ro Mao.
389823. IRR I 4691. Din Po Gin.
389824. IRR I 4692. A 3291 Bon-O (Thou Dau).
389825. IRR I 4694. Mi Ya Tsan.
389826. IRR I 4695. Gayen Thou No. 31.
389827. IRR I 4696. Bon Yan Thou.
389828. IRR I 4697. Hsiu Se Chan.
389829. IRR I 4698. Che Mea.

389298 to 389847—Continued

389830. IRR I 4699. Che Mea No. 6.
 389831. IRR I 4700. Mon Cer Shun.
 389832. IRR I 4701. Oaen Chou Bir.
 389833. IRR I 4702. Cow San Huan.
 389834. IRR I 4704. Gu Ge Thou.
 389835. IRR I 4706. Chin Lun No. 2.
 389836. IRR I 4708. Fuchow Thou.
 389837. IRR I 4709. Bin Yang Tsao.
 389838. IRR I 4711. Tsan Hsu Dau.
 389839. IRR I 4712. Rue E Shun.
 389840. IRR I 4713. Tou Jung Ku.
 389841. IRR I 4717. Yen Yan Goo.
 389842. IRR I 4719. Yen Chea Hune.
 389843. IRR I 4720. Pang Hsial Chao.
 389844. IRR I 4721. Yau San Tsan.
 389845. IRR I 4722. Geen Bir Lun An Shun.
 389846. IRR I 4723. Lun Yan Tsan.
 389847. IRR I 4724. Lun Yah Tsan.

389848. ORYZA SATIVA L. Gramineae. Rice.

From Colombia. Seed presented by Plant Disease Research Laboratory, Agricultural Research Service, Frederick, Maryland through Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Received September 1, 1974.

Nepal.

389849. ORYZA SATIVA L. Gramineae. Rice.

From Panama. Seed presented by Plant Disease Research Laboratory, Agricultural Research Service, Frederick, Maryland, through Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Received September 1, 1974.

SML-81B.

389850 to 389868. ORYZA SATIVA L. Gramineae. Rice.

From United States. Seed presented by Plant Disease Research Laboratory, Agricultural Research Service, Frederick, Maryland through Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Received September 1, 1974.

389850. Usen.
 389851. IRR I 4289. San-Chau-Che No. 8.
 389852. IRR I 5299. Sixty-Days-Thou.
 389853. IRR I 5300. Sixty Days-Thou.
 389854. IRR I 5311. Chunta No. 345.
 389855. IRR I 5345. Bir-Goo No. 32.
 389856. IRR I 5493. Hung-Goo-Shun.
 389857. IRR I 5564. Dou-Kian-U.
 389858. IRR I 5605. Kao-San-Bir.
 389859. IRR I 5631. Wan-Keng-Tao.
 389860. IRR I 5693. Giu-Hwa-Lan.

389850 to 389868—Continued

389861. IRR I 5738. Chin-Chin-Goo.
 389862. IRR I 5758. Bir-Co-Hung-Me-Goo.
 389863. IRR I 5799. 99216.
 389864. IRR I 5807. M.T.U.10.
 389865. IRR I 5847. Kingmen-Toomen-Wu-Chi.
 389866. IRR I 5849. Kingmen-Toumen-Chiu-Mu (Green).
 389867. IRR I 5861. Chun-Cheu (NUO).
 389868. IRR I 5875. Chuan-Chu-Shan-Pai-Tsao.

389869. ORYZA SATIVA L. Gramineae. Rice.

From Nigeria. Seed presented by Plant Disease Research Laboratory, Agricultural Research Service, Frederick, Maryland, through Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Received September 1, 1974.

Tjina.

389870 and 389871. ORYZA SATIVA L. Gramineae. Rice.

From Surinam. Seed presented by Plant Disease Research Laboratory, Agricultural Research Service, Frederick, Maryland, through Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Received September 1, 1974.

389870. SML 242.
 389871. SML 352.

389872 to 389880. ORYZA SATIVA L. Gramineae. Rice.

From Sumatra. Seed presented by Plant Disease Research Laboratory, Agricultural Research Service, Frederick, Maryland, through Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Received September 1, 1974.

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| 389872. Samanoek. | 389877. Sigambiri. |
| 389873. Shihompa. | 389878. Sirenteng. |
| 389874. Siharboei. | 389879. Sigoendaba. |
| 389875. Sihalopo. | 389880. Sigadogabo. |
| 389876. Sipirasikkam. | |

389881 to 389898. ORYZA SATIVA L. Gramineae. Rice.

From Java. Seed presented by Plant Disease Research Laboratory, Agricultural Research Service, Frederick, Maryland, through Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Received September 1, 1974.

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| 389881. No data. | 389890. Genuджahratji. |
| 389882. Soekrivimam. | 389891. Intan. |
| 389883. Karike. | 389892. Ketan Gadjih. |
| 389884. Bandang Putih. | 389893. Koneng. |
| 389885. Bengawan. | 389894. Latishail. |
| 389886. Benong 130. | 389895. Leter. |
| 389887. Brondal Putih. | 389896. Loktjan. |
| 389888. Brondjong 5. | 389897. Malio. |
| 389889. Fadjar. | 389898. Mas-M24. |

389899 to 389913. ORYZA SATIVA L. Gramineae. Rice.

From Indonesia. Seed presented by Plant Disease Research Laboratory, Agricultural Research Service, Frederick, Maryland, through Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Received September 1, 1974.

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| 389899. Lege Menir. | 389907. Tajahaja. |
| 389900. Mee Sabe. | 389908. Salak. |
| 389901. Ladang. | 389909. Peta. |
| 389902. Lantjag. | 389910. Mas. |
| 389903. Poeloet Waso. | 389911. Remadja. |
| 389904. Baok. | 389912. Sigadis. |
| 389905. Beak Ganggas. | 389913. K.106 Skrivimankoti. |
| 389906. Tjina. | |

389914 to 389919. ORYZA SATIVA L. Gramineae. Rice.

From Burma. Seed presented by Plant Disease Research Laboratory, Agricultural Research Service, Frederick, Maryland, through Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Received September 1, 1974.

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| 389914. Kauk-Non. | 389917. C33-18. |
| 389915. A36-3. | 389918. C34-1. |
| 389916. B35-2. | 389919. X.Q.4. |

389920 to 389927. ORYZA SATIVA L. Gramineae. Rice.

From Hong Kong. Seed presented by Plant Disease Research Laboratory, Agricultural Research Service, Frederick, Maryland, through Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Received September 1, 1974.

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| 389920. Far Yu Jien. | 389924. Chai Mei. |
| 389921. Choku Chai. | 389925. Chun Chu Cho. |
| 389922. See Mew. | 389926. Glutinous Rice. |
| 389923. Shui Ya Jien. | 389927. Pai Hok Glutinous. |

389928 to 389960. ORYZA SATIVA L. Gramineae. Rice.

From Cambodia. Seed presented by Plant Disease Research Laboratory, Agricultural Research Service, Frederick, Maryland, through Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Received September 1, 1974.

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| 389928. Kayar. | 389941. Neang Kok. |
| 389929. Kong Chèk. | 389942. Neang Krech. |
| 389930. Lek Slek. | 389943. Srauveng. |
| 389931. Phnat Tuk. | 389944. Tong Sangker. |
| 389932. Rit Ankrong. | 389945. Angkrang. |
| 389933. Tranoep Beykher. | 389946. Changvar Chroem. |
| 389934. Chantas Phlouk. | 389947. Ghangeng Khum. |
| 389935. Chantas Phlouk (B.Phlg). | 389948. Kong Mareth. |
| 389936. Kher-Angkor-Kraham. | 389949. Kracher Chap Kraham. |
| 389937. Krachak Chrouk. | 389950. Matalok. |
| 389938. Kraya Choevy 105. | 389951. Neang Meas. |
| 389939. Kraya Choeuy 335. | 389952. Neang Minh d.17. |
| 389940. Neang Stong. | 389953. Neang Kroeuth. |

389928 to 389960—Continued

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| 389954. Snet Chet. | 389958. Tranoep Krassaing. |
| 389955. Sambok Angkrang. | 389959. Srav Ankor. |
| 389956. Sar Thngon. | 389960. Srav Prapay. |
| 389957. Tranoep Kandir. | |

389961 to 389965. ORYZA SATIVA L. Gramineae. Rice.

From Pakistan. Seed presented by Plant Disease Research Laboratory, Agricultural Research Service, Frederick, Maryland, through Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Received September 1, 1974.

- 389961.** Purple awn, apiculus glumes.
389962. Light purple awns, apiculus light glumes.
389963. Light awns, apiculus glumes.
389964. Light apiculus glumes, almost awnless. More medium grain.
389965. Tonewase.

389966. ORYZA SATIVA L. Gramineae. Rice.

From Italy. Seed presented by Plant Disease Research Laboratory, Agricultural Research Service, Frederick, Maryland, through Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Received September 1, 1974.

Lacrosse.

389967. ORYZA SATIVA L. Gramineae. Rice.

From India. Seed presented by Plant Disease Research Laboratory, Agricultural Research Service, Frederick, Maryland, through Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Received September 1, 1974.

AQT-27.

389968 to 389984. TRITICUM AESTIVUM L. Gramineae. Common wheat.

From Nepal. Seed presented by Plant Disease Research Laboratory, Agricultural Research Service, Frederick, Maryland, through Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Received September 1, 1974.

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| 389968. N12. | 389977. N165. |
| 389969. N43. | 389978. N710. |
| 389970. N52. | 389979. N715. |
| 389971. N54. | 389980. N718. |
| 389972. N90. | 389981. N720. |
| 389973. N101. | 389982. N721. |
| 389974. N111. | 389983. N765. |
| 389975. N124. | 389984. N775. |
| 389976. N163-2. | |

389985 to 389988. ORYZA SATIVA L. Gramineae. Rice.

From Burma. Seed presented by Plant Disease Research Laboratory, Agricultural Research Service, Frederick, Maryland, through Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Received September 1, 1974.

- | | |
|--------------------------|-------------------------|
| 389985. Meedon. | 389987. Ngstan. |
| 389986. Nga Kywe. | 389988. Sabanet. |

389989. ORYZA SATIVA L. Gramineae. Rice.

From Cuba. Seed presented by Plant Disease Research Laboratory, Agricultural Research Service, Frederick, Maryland, through Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Received September 1, 1974.

C.I. 9399. Zayas Bazan.

389990 to 389999. ORYZA SATIVA L. Gramineae. Rice.

From United States. Seed presented by Plant Disease Research Laboratory, Agricultural Research Service, Frederick, Maryland, through Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Received September 1, 1974.

389990. C.I. 8083. Sai-Bui-Bao.

389991. C.I. 8086. Tun-Sari.

389992. C.I. 8331. Nante' Special.

389993. C.I. 8012. Sze Min Y 4269.

389994. Bluebell.

389995. Rexoro.

389996. Zenith.

389997. C.I. 8998. Nato.

389998. C.I. 8310. Arkrose.

389999. C.I. 1600. Colusa.

390000-390002. ORYZA SATIVA L. Gramineae. Rice.

From China. Seed presented by Plant Disease Research Laboratory, Agricultural Research Service, Frederick, Maryland, through Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Received September 1, 1974.

390000. C.I. 8970S. Sha Tiao Tsao.

390001. C.I. 8970P. Sha Tiao Tsao.

390002. C.I. 5309.

390003. AVENA SATIVA L. Gramineae. Common oat.

From Chile. Seed presented by Ignacio Ramirez A., Instituto de Investigaciones Agropecuarias, Santiago. Received August 30, 1974.

'Nehuen'. Derived from cross Rxt x RL 1276 2x Ajax x RL 1276 3x Clinton x Bond 2x P.I. 174544 4x Milford 2x Clinton 2x Ark 674 3x Clintand 602 x Clintand, 3x IMHJA, Purdue 5939 B-1-3-1.

390004. ASPARAGUS ALBUS L. Liliaceae.

From Portugal. Seed presented by Estacao Agronomica Nacional, Oeiras. Code number refers to 1974-75 Index Seminum. Received July 16, 1974.

187.

**390005. RHAPONTICUM CARTHAMOIDES (Willd.) Iljin
Compositae.**

From Union of Soviet Socialist Republics. Seed presented by V. S. Sokolov, Botanical Institute of W. L. Komarov, Leningrad. Received June 12, 1974.

390006 and 390007.

From England. Seed presented by Thompson & Morgan (Ipswich) Ltd., Ipswich, Suffolk. Received July 22, 1974.

390006. CICHORIUM ENDIVIA L. Compositae. **Endive.**
'French Moss Curled'. Lot No. 6615. France.

390006 and 390007—Continued

390007. CICHORIUM INTYBUS L. Chicory.
'Sugar Loaf'. Lot No. 6527. Switzerland.

390008 and 390009. LYCOPERSICON ESCULENTUM Mill.

Solanaceae.

Tomato.

From Thailand. Seed presented by Min-Nan Chiang, College of Agriculture, National Taiwan University, Taipei, Taiwan. Received June 20, 1974.

390008. Seed from segregating plants of 'AVRDC 15' grown at Fang Agricultural Experiment Station, Chiang Mai. Original seed designated VC 8-1-2-7 imported from the Asian Vegetable Research and Development Center, Tainan, Taiwan. Selected for resistance to local viruses and bacterial wilt common under tropical environment.

390009. Seed from segregating plants of 'AVRDC 33' grown at Fang Agricultural Experiment Station, Chiang Mai. Original seed designated VC 8-1-2-1 imported from the Asian Vegetable Research and Development Center, Tainan, Taiwan. Selected for resistance to local viruses and bacterial wilt common under tropical environment.

390010 to 390012.

From Thailand. Seed collected by J. M. Poehlman, Department of Agronomy, University of Missouri, Columbia, Missouri. Received May 14, 1974.

390010. VIGNA MUNGO (L.) Hepper Leguminosae. Urd.
Kam Paeng Saen, Soil Conservation Service, Nakom Pathom.

390011 and 390012. VIGNA RADIATA (L.) Wilczek Leguminosae. Mungbean.

390011. Kam Paeng Saen, Soil Conservation Service, Nakom Pathom.

390012. Purchased in Bangkok market.

390013. HEDERA HELIX L. subsp. CANARIENSIS (Willd.)

Coutinho Araliaceae.

From Portugal. Seed presented by Instituto Superior de Agronomia, Gabinete de Botanica do, Tapada Da Ajuda, Lisbon. Code number refers to 1974 Index Seminum. Received July 1, 1974.

63.

390014. PRUNUS PERSICA (L.) Batsch Rosaceae. Peach.

From Thailand. Seed collected by W. E. Manis, Agricultural Advisor, International Programs Division, Chiang Mai. Received July 18, 1974.

Mae Sa Watershed, Amphur-Mae Rim, Changwat. Wild Tribe peach.

390015 to 390017.

From Japan. Seed presented by Botanical Garden, Tohoku University, Sendai. Code numbers refer to 1974 Delectus Seminum et Sporarum. Received June 14, 1974.

390015. GLEDITSIA JAPONICA Miq. Leguminosae.
364.

390016. PRUNUS GRAYANA Maxim. Rosaceae.
332.

390017. PRUNUS NIPPONICA Mats. Takane flowering cherry.
333.

390018 and 390019.

From Portugal. Seed presented by Institut Botanique de L'Universite, Coimbra. Code numbers refer to 1974 Index Seminum. Received July 17, 1974.

390018. ALYSSUM GRANATENSE Boiss. P Reut. Cruciferae.
835.

390018 and 390019—Continued

390019. *DROSOPHYLLUM LUSITANICUM* (L.) Link Droseraceae.
943.

390020 and 390021. PAEONIA ANOMALA L. Ranunculaceae.

From Union of Soviet Socialist Republics. Seed presented by Curator, Hortus Botanicus Sibiricus, Universitatis Tomskensis, Tomsk. Code numbers refer to 1973-74 Index Seminum. Received July 25, 1974.

390020. 477.

390021. 1343.

390022. COTINUS COGGYGRIA Scop. Anacardiaceae.

Smoke tree.

From France. Seed presented by Service des Cultures du Museum, National d'Histoire Naturelle, Paris. Received June 24, 1974.

'Sainte Agnes (06)'.

390023 to 390025.

From Denmark. Seed presented by Director, Seed Exchange, Botanical Garden, University of Copenhagen, Copenhagen. Received May 13, 1974.

390023. *ALYSSUM BERTOLONII* Desv. subspecies *SCUTARINUM* E. I. Nyar.
Cruciferae.

390024. *ALYSSUM CUNEIFOLIUM* Tenore

390025. *ALYSSUM UMBELLATUM* Desv.

390026. FUMARIA OFFICINALIS L. Papaveraceae.

From Germany. Seed presented by Botanischer Garden Universitat, Frankfurt am Main. Received August 27, 1974.

390027. to 390036.

From Norway. Seed presented by Milde Arboretum, Store Milde. Code numbers refer to 1973-74 Seed Exchange List. Received June 21, 1974.

390027 to 390033. *CEDRUS ATLANTICA* Manetti Pinaceae. **Atlas cedar.**

390027. 5. **390031.** 9.

390028. 6. **390032.** 10.

390029. 7. **390033.** 11.

390030. 8.

390034. *FRAXINUS ANGUSTIFOLIA* Vahl Oleaceae.
29.

390035. *PAEONIA MASCULA* (L.) Mill. Ranunculaceae.
61.

390036. *VIBURNUM TINUS* L. Caprifoliaceae. **Laurustinus.**
55.

390037 to 390040.

From Belgium. Seed presented by Jan Balis, Sint-Genesius-Rode. Code numbers refer to 1973 Index Seminum. Received July 11, 1974.

390037. *CALTHA PALUSTRIS* var. *ALBA* (Jacq. ex Camb.) Hook. & Thomas.
Ranunculaceae.
131.

390038. *CARPINUS BETULUS* L. Betulaceae. **European hornbeam.**
137. 'Purpurea'.

390039. *CARPINUS HENRYANA* (Winkl.) Winkl.
138.

390040. *CARPINUS JAPONICA* Blume
139.

390041 to 390050.

From Yugoslavia. Seed presented by Prirodno-Matematički Fakultet, Botanička Gradina, Skopje. Code numbers refer to 1974 Delectus Seminum. Received May 28, 1974.

390041. *ALYSSUM DESERTORUM* Stapf. Cruciferae. 376.
390042. *ALYSSUM SAXATILE* subsp. *ORIENTALE* (Ard.) Rech. f. 97.
390043. *ARUM MACULATUM* L. Araceae. 41.
390044. *COTINUS COGGYGRIA* Scop. Anacardiaceae. **Smoke tree.** 25.
390045. *DORONICUM ORPHANIDIS* Boiss. Compositae. 63.
390046. *LEUCOJUM AESTIVUM* L. Amaryllidaceae. **Summer snowflake.** 24.
390047. *PAEONIA MASCULA* (L.) Mill. Ranunculaceae. 261.
390048. *PAEONIA PEREGRINA* Mill. 262.
390049. *VERBASCUM LONGIFOLIUM* Ten. Scrophulariaceae. 338.
390050. *VERBASCUM PHLOMOIDES* L. 339.

390051 to 390067.

From Union of Soviet Socialist Republics. Seed presented by Curator, Hortus Botanicus, Academiae Scientiarum, Latvia. Code numbers refer to 1973 Index Seminum. Received May 30, 1974.

390051. *BETULA FRUTICOSA* Pall. Betulaceae. 32.
390052. *BETULA GROSSA* Sieb & Zucc. **Birch.** 33.
390053. *BETULA HUMILIS* Schrank **Birch.** 34.
390054. *BETULA NIGRA* L. 37.
390055. *BETULA OVALIFOLIA* Rupr. 38.
390056. *BETULA OYCOVIENSIS* Bess. 39.
390057. *BETULA PARAERMANII* V. Vassil. 40.
390058. *BETULA PENDULA* Roth. **Birch.** 42. 'Youngii'.

390051 to 390067—Continued

390059. *BETULA PENDULA* f. *DALECARLICA* (L. f.) C. K. Schneid.
41.
390060. *BETULA PLATYPHYLLA* var. *JAPONICA* (Miq.) Hara
46.
390061. *BETULA PLATYPHYLLA* var. *SZECHUANICA* (C. K. Schneid.) Rehd.
43. **Birch.**
390062. *BETULA PUBESCENS* Ehrh.
44. 'Aurea'.
390063. *BETULA PUMILA* L.
45.
390064. *BETULA TORTUOSA* Ledeb.
47.
390065. *BETULA* sp.
31.
390066. *PAEONIA WITTMANNIANA* Lindl. Ranunculaceae. **Peony.**
951.
390067. *SYRINGA SWEGINZOWII* Koehne & Ling. Oleaceae. **Chengtu lilac.**
185.

390068 and 390069. *VIGNA RADIATA* (L.) Wilczek

Leguminosae.

Mungbean.

From Ethiopia. Seed presented by Lars Ohlander, Food and Agriculture Organization, National Horticultural Centre, Institute of Agricultural Research, Nazareth, Shoa. Received July 31, 1974.

390068. 'Dire Dawa'.
390069. 'Gode'.

390070. *TAMARIX CHINENSIS* Lour. Tamaricaceae.**Chinese tamarix.**

From Japan. Seed presented by Tatsuo Aritaki, Director, The Aritaki Arboretum, Koshigaya-Shi, Saitama-Ken. Received August 12, 1974.

390071 to 390111.

From Puerto Rico. Collections assembled by F. W. Martin, Geneticist, Federal Experiment Station, Mayaguez. Accession numbers assigned for local use. Received July 5, 1974.

- 390071 to 390104. *DIOSCOREA ALATA* L. Dioscoreaceae. **Winged yam.**
390071. Acc. 15547. 'Alowinnin'. International Institute for Tropical Agriculture, Lagos, Nigeria.
390072. Acc. 15975. 'Binugas'. Indonesia.
390073. Acc. 15200. 'Feo'. Puerto Rico. Wild.
390074. Acc. 15964. 'Futuna'. Fiji Islands.
390075. Acc. 15524. 'Gemelos'. Local market, Puerto Rico.
390076. Acc. 15567. 'Grandote'. Ibadan, Nigeria.
390077. Acc. 15126. 'Harpers'. Corozol Sub-Station, Puerto Rico.
390078. Acc. 15974. 'Kabus AK'. Indonesia.
390079. Acc. 15973. 'Kinabayo'. Indonesia.
390080. Acc. 15972. 'Kinampay'. Cortes, Philippines.
390081. Acc. 15967. 'Koregu'. Fiji Islands.
390082. Acc. 15965. 'Laivou'. Fiji Islands.

390071 to 390111—Continued**390071 to 390101—Continued**

390083. Acc. 15968. 'Laivou Damu'. Fiji Islands.
 390084. Acc. 15971. 'Lautolu'. Fiji Islands.
 390085. Acc. 15970. 'Long'. Fiji Islands.
 390086. Acc. 15555. 'Nau Omoala'. Vaudike, Nigeria.
 390087. Acc. 15963. 'Niumadu'. Fiji Islands.
 390088. Acc. 15561. 'Nsukka'. Nsukka, Nigeria.
 390089. Acc. 15958. 'Rokea'. Walende, Malaita.
 390090. Acc. 15961. 'Sao'. Walende, Malaita.
 390091. Acc. 15539. 'Suide'. Abidjan, Nigeria.
 390092. Acc. 15976. 'Tam Isam'. Indonesia.
 390093. Acc. 15957. 'Tanala'. Bo of Namatanai, Papua, and New Guinea.
 390094. Acc. 15962. 'Taniela Vula Leka'. Fiji Islands.
 390095. Acc. 15966. 'Todroi'. Fiji Islands.
 390096. Acc. 15959. 'Toki'. Walende, Malaita.
 390097. Acc. 15960. 'Toma'. Walende, Malaita.
 390098. Acc. 15956. 'Uhbist'. Bo of Namatanai, Papua, and New Guinea.
 390099. Acc. 15969. 'Vurai Balavu'. Fiji Islands.
 390100. Acc. 15573. Sierra Leone.
 390101. Acc. 155955. Port Moresby, Papua, and New Guinea.
 390102. Acc. 15977. Gunung Sindur, Indonesia.
 390103. Acc. 15978. Tanja Layar, Indonesia.
 390104. Acc. 15979. Malaysia.

390105 and 390106. DIOSCOREA BULBIFERA L.**Airpotato.**

390105. Acc. 15982. Honaina, Solomon Islands.
 390106. Acc. 15983. Honaina, Solomon Islands.

390107 to 390109. DIOSCOREA DUMETORUM (Kunth) Pax**Yam.**

390107. Acc. 15788. West Africa.
 390108. Acc. 15790. West Africa.
 390109. Acc. 15791. West Africa.

390110 and 390111. DIOSCOREA PENTAPHYLLA L.

390110. Acc. 15980. Honaina, Solomon Islands.
 390111. Acc. 15981. Honaina, Solomon Islands.

390112 to 390118.

From India. Plant material collected by R. L. Steere, Plant Virology Laboratory, Agricultural Research Center, Beltsville, Maryland. Received March 28, 1974.

390112. COTONEASTER MICROPHYLLA Wall. ex Lindl. Rosaceae.**Rockspray.**

9. Near Tanglu. Elevation 3,048 m. Spreading shrub to 0.3 m tall, dark green. On dry hillside. Wild. Cuttings.

390113. RHODODENDRON ARBOREUM J. E. Smith Ericaceae.**Tree rhododendron.**

2. Across from Plant Quarantine Station, Sukhiapokri, Darjeeling District. Elevation 2,200 m. Tree to 4.6 m tall, with dark red flowers. Well shaped, bushy tree full of flower heads. No sign of disease problems. Cultivated. Seed.

390112 to 390118—Continued

390114. RHODODENDRON BARBATUM Wall. ex Don

15. Near Tanglu. Elevation 2,743 m. Small tree 4.6 to 6.1 m tall. Many clusters of red flowers. Seed from last year still dropping. Wild. Seed.

390115. RHODODENDRON CAMPYLOCARPUM Hook. f.

3. Sandakphu, west of Darjeeling. Elevation 3,642 m. Shrub 1.5 m to 6.1 tall. Wild. Seed.

390116. RHODODENDRON FALCONERI Hook. f.

7. First pass below Sandakphu. Elevation 3,048 to 3,352 m. Tree to 4.6 m tall, white flowers. Large tree with brown tomentose beneath large leaves. Wild.

390117. RHODODENDRON GRANDE Wight.

13. Below Kalipokhari village. Elevation between 3,048 m and 3,352 m. Hardy tree to 4.6 m tall. Flowers pinkish, turning white. Smooth, large leaves, whitish on undersides. When planted at lower elevations, becomes large forest tree. Wild. Seed.

390118. Undetermined

11. Below Kalipokhari village. Elevation 2,743 m. Small tree to 4.6 m tall. Flowers red, hanging. Very attractive pendulous flower clusters. Wild. Seed.

390119 and 390120.

From Union of Soviet Socialist Republics. Seed presented by N. I. Vavilov All-Union Institute of Plant Industry, Leningrad. Received September 3, 1974.

390119. PAPAVER BRACTEATUM Lindl. Papaveraceae.

Great scarlet poppy.

390120. PAPAVER ORIENTALE L.

Oriental poppy.

390121 to 390125.

From Israel. Seed presented by Soil Conservation Division, Ministry of Agriculture, Kiryat Shmuel, Haifa. Received July 18, 1974.

390121. OENOTHERA DRUMMONDII Hook. Onagraceae.

390122. PENNISETUM DIVISUM (Forsk. ex Gmel.) Henr. Gramineae.

390123. POLYGONUM EQUISETIFORME Sibth. & Sm. Polygonaceae.

390124. RETAMA RAETAM (Forsk.) Webb Leguminosae.

390125. ZYGOPHYLLUM ALBUM L. f. Zygophyllaceae.

390126 to 390129. NICOTIANA TABACUM L. Solanaceae.

Tobacco.

From Japan. Seed presented by Masaru Oka, Vice-Director, Iwata Tobacco Experiment Station, Japan Tobacco & Salt Public Corporation, Shizuoka-ken, Iwata. Received August 3, 1974.

390126. 'Kanto (Matsukawa)'.

390127. 'Kanto 201 (Matsukawa)'.

390128. 'Odaruma'.

390129. 'Odaruma 401'.

390130 to 390135.

From Pakistan. Seed presented by S. A. Khan, Oilseeds Botanist, Punjab Agricultural Research Institute, Lyallpur to P. F. Knowles, Department of Agronomy and Range Science, University of California, Davis, California. Received April 24, 1974.

390130 to 390132. BRASSICA CAMPESTRIS L. Cruciferae. **Bird rape.**

390130. 'Brown Sarson A'.

390131. 'Torja Scathi'.

390132. 'Torja Selection A'.

390130 to 390145—Continued

390133 and 390134. *BRASSICA CARINATA* A. Br.

390133. 'P-1'.

390134. 'P-58'. Segregating.

390135 to 390141. *BRASSICA JUNCEA* (L.) Czern. Chinese mustard.

390135. 'Poorbi Raya'. 390139. 'S-220'.

390136. 'RL-16'. 390140. 'S-274'.

390137. 'RL-18'. 390141. 'S-300'.

390138. 'S-130'.

390142. *BRASSICA TRILOCULARIS* Hook. f. & Thoms.
'Yellow Sarson L.1'.

390143 and 390144. *ERUCA SATIVA* Mill. Cruciferae. Rocket-salad.

390143. 'P1-2'.

390144. 'Selection A'.

390145. *GLYCINE MAX* (L) Merr. Leguminosae. Soybean.
'Moothi'. Abbottabad area of Pakistan. Used as substitute for other dry beans.

390146 to 390153.

From Pakistan. Seed collected by P. F. Knowles, Department of Agronomy and Range Science, University of California, Davis, California. Received April 24, 1974.

390146. *BRASSICA* sp. Cruciferae.

Bazaar in Gilgit, Hunza area of northern Pakistan.

390147. *CANNABIS SATIVA* L. Cannabinaceae. Hemp.

About 16 km southwest of Karimabad, Hunza District. Used as a source of oil. Locally called Thunj.

390148 to 390150. *CARTHAMUS TINCTORIUS* L. Compositae. Safflower.

390148. 18. Karimabad village, Hunza District. Crop sown April and harvested in September. Locally called Pong or Punj.

390149. 19. Gilgit, Hunza District. Seed originally from Ghulam Nabi, Fish Supervisor, Agriculture Department.

390150. 20. Obtained from N. H. Chaudhry, Assistant Director, Agriculture, Gilgit, Hunza District. Seed is smaller than P. I. 390148 and P.I. 390149.

390151. *HELIANTHUS ANNUUS* L. Compositae. Sunflower.

'Thatta'. Tarnab Agricultural Research Institute, Peshawar. Possibly a local variety from Sind Province.

390152. *MEDICAGO SATIVA* L. Leguminosae. Alfalfa.

Bazaar in Gilgit, Hunza District.

390153. Undetermined Leguminosae.

Obtained from N. H. Chaudhry, Assistant Director, Agriculture, Gilgit, Hunza District.

390154 to 390200. *ORYZA SATIVA* L. Gramineae. Rice.

From Vietnam. Seed presented by Plant Disease Research Laboratory, Agricultural Research Service, Frederick, Maryland through Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Received September 1, 1974.

390154. Nang Keo R138. 390159. Nang Co Trang R10.

390155. Nang Ech R73. 390160. Tunsart E45.

390156. Tau Bac R80. 390161. Nep Hoa Vang 830.

390157. Ru XII C. 390162. Gie Noi 33B.

390158. Bong Sen Den 1R10. 390163. Giau Cao 89B.

390154 to 390200—Continued

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| 390164. Chiem Chann 198A. | 390183. Kreng Krul. |
| 390165. Ca Dung Ket. | 390184. Kreng Menh. |
| 390166. Nang Phet Muon. | 390185. Lua Man. |
| 390167. Ouang Ngeon. | 390186. Lua Thom. |
| 390168. Java 14. | 390187. Lua Tuong. |
| 390169. Java 15. | 390188. Mong Chim. |
| 390170. Java 18. | 390189. Nang Cho. |
| 390171. Lua Rong. | 390190. Nang Dum To. |
| 390172. Hawara Gepoek-1. | 390191. Nang Keo. |
| 390173. Sarikoening. | 390192. Nang Quot. |
| 390174. Koneng. | 390193. Nang Tay Nho C. |
| 390175. Loktjan. | 390194. Samo Ran. |
| 390176. Ba Tuc. | 390195. Soc Nau. |
| 390177. Bat Ngoat. | 390196. Tat No. |
| 390178. Chun Rit. | 390197. Tau Binh C. |
| 390179. Cuc Cao Trang. | 390198. Tau Huong. |
| 390180. Giau Dumont. | 390199. Trang Cut de 41. |
| 390181. Gie Vang. | 390200. Tunsart. |
| 390182. Heo Trang. | |

390201 to 390207. ORYZA SATIVA L. Gramineae. Rice.

From Thailand. Seed presented by Plant Disease Research Laboratory, Agricultural Research Service, Frederick, Maryland, through Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Received September 1, 1974.

390201. Gam Pai 41.
 390202. Gow Ruang 88.
 390203. Khao Dawk Mali 105.
 390204. Khao Pahk Maw 148.
 390205. Khitom Yai 98.
 390206. Leuang 152.
 390207. Leuang Pratew 28.

390208 to 390210. TRITICUM DURUM Desf. Gramineae.**Durum wheat.**

From Bulgaria. Seed presented by Institute for Cotton and Hard Wheat, Chirpan, through A. Kaloyanov, Agricultural Counselor, Bulgarian Embassy, Washington, D. C. Received August 19, 1974.

390208. 'Apulukum 233'.
 390209. 'Hordeiforme 788'.
 390210. 'Hordeiforme 1522'.

390211 to 390213.

From India. Seed presented by Division of Plant Introduction, Indian Agricultural Research Institute, New Delhi. Received September 11, 1974.

390211. SOLANUM INCANUM L. Solanaceae.
 I.W. 3025.
 390212. SOLANUM INDICUM L.
 I.W. 2740.
 390213. SOLANUM XANTHOCARPUM Schrad. & Wendl.

**390214 to 390222. PHASEOLUS VULGARIS L. Leguminosae.
Common bean.**

From Ethiopia. Seed presented by Lars Ohlander, Institute of Agricultural Research, National Horticulture Center, Nazareth. Received May 28, 1974.

- 390214. Field 18 P34 Holetta. Seed small, flat, white.
- 390215. Field 18 P38 Holetta. Seed small to medium, fairly round, white.
- 390216. Field 18 P42 Holetta. Seed small, flat, white.
- 390217. Field 18 P47 Holetta. Seed small to medium, flat, white.
- 390218. F.B.M.D. Wollamo Agricultural Development Unit, Wollamo. Seed medium, white.
- 390219. 'Caffex Large White'. Addis Ababa exporter.
- 390220. 'Nazareth Large White'. Bulk selection for large seed.
- 390221. 'Nazareth Small'. Seed small, flat, white.
- 390222. Debre Zeit. Single plant selection. Seed small, flat, white.

**390223 to 390225. PAPAVER SOMNIFERUM L. Papaveraceae.
Opium poppy.**

From Hungary. Seed presented by Esme Lumsden, Division of Narcotic Drugs, United Nations Office, Geneva, Switzerland. Received April 30, 1974.

- 390223. UNS-7. 'BC-2'. Medicinal Plants Research Institute, Budapest.
- 390224. UNS-8. 'Kek Duna'. Medicinal Plants Research Institute, Budapest.
- 390225. UNS-9. 'Kompolti M'. Medicinal Plants Research Institute, Budapest.

**390226. PAPAVER SOMNIFERUM L. Papaveraceae.
Opium poppy.**

From Germany. Seed presented by Esme Lumsden, Division of Narcotic Drugs, United Nations Office, Geneva, Switzerland. Received April 24, 1974.

UNS-6. Seed merchant Federal Republic of Germany. Double Carnation mixed—Gefüllte Prachtmischung.

**390227 to 390229. PAPAVER SOMNIFERUM L. Papaveraceae.
Opium poppy.**

From Switzerland. Seed presented by Esme Lumsden, Division of Narcotic Drugs, United Nations Office, Geneva, Switzerland. Received May 1, 1974.

- 390227. UNS-1. Hungary.
- 390228. UNS-2. Norway.
- 390229. UNS-3. Switzerland.

**390230 to 390234. PAPAVER BRACTEATUM Lindl.
Papaveraceae. Great scarlet poppy.**

From Switzerland. Seed presented by Esme Lumsden, Division of Narcotic Drugs, United Nations Office, Geneva Switzerland. Received May 1, 1974.

- 390230. UNB-18. Arya 1. 15 KRAD.
- 390231. UNB-18. Arya 1. 25 KRAD.
- 390232. UNB-19. Arya 2. 15 KRAD.
- 390233. UNB-19. Arya 2. 20 KRAD.
- 390234. UNB-19. Arya 2. 30 KRAD.

390235 and 390236.

From Mexico. Seed presented by E. M. Wilson, Colonia Pacheco, Chihuahua. Received June 11, 1974.

390235. TAGETES LEMMONI A. Gray Compositae.

Cultivated in Colonia Juarez, Chihuahua. Seedstock originally from Temporal Ranch, Demetrio Mora, 16 km southwest of Colonia Juarez. Foothills of Sierra Madre Mountain range. Local name Semilla de Valdesa. 1973 crop.

390236. TAGETES LUCIDA Cav.

Colonia Pacheco, Chihuahua. Elevation 1,981 m. Northernmost occurrence of this species collected to date. Local name Semilla de Yerbanis. 1973 crop.

390237. RHODODENDRON ARBOREUM var. CAMPBELLIAE

(Hook. f.) C. B. Clark Ericaceae.

From Nepal. Seed collected by R. L. Steere, Plant Virology Laboratory, Research Center, Beltsville, Maryland. Received March 28, 1974.

17. On ridge south of Bhairarkund. Elevation 2,743 to 3,048 m. Tree to 7.6 m tall. Beautiful tree filled with flowers and last year's seed pods. Stem buds too far advanced to collect. Wild.

390238 to 390269. CUCUMIS SATIVUS L. Cucurbitaceae.**Cucumber.**

From Japan. Seed presented by H. Komada, Vegetable and Ornamental Crops Research Station, Ishinden-Ogoso, Tsu-City. Received July 18, 1974.

390238. 'Aodai'. Aonaga group. Medium resistance to *Fusarium* wilt.

390239. 'Ao Fushinari (A)'. Ao Fushinari group. Highly resistant to *Fusarium* wilt.

390240. 'Ao Fushinari (B)'. Ao Fushinari group. Highly resistant to *Fusarium* wilt.

390241. 'Aonaga Jihai'. Hihai group. Very susceptible to *Fusarium* wilt.

390242. 'Daisen Kema'. Spring type hybrid group. Medium resistance to *Fusarium* wilt.

390243. 'Harigaya'. Ao Fushinari group. Resistant to *Fusarium* wilt.

390244. 'Hyuga 2'. Ao Fushinari group. Medium resistance to *Fusarium* wilt.

390245. 'Hyuga 2 Improved'. Ao Fushinari group. Medium resistance to *Fusarium* wilt.

390246. 'Izumiharu (A)'. Spring type hybrid group. Medium resistance to *Fusarium* wilt.

390247. 'Jin'. Summer type hybrid group. Very susceptible to *Fusarium* wilt.

390248. 'Kaga Aonaga Fushinari'. Spring type hybrid group. Medium resistance to *Fusarium* wilt.

390249. 'Kariha Fushinari'. Spring type hybrid group. Medium resistance to *Fusarium* wilt.

390250. 'Koshiro'. Spring type hybrid group. Medium resistance to *Fusarium* wilt.

390238 to 390269—Continued

390251. 'Kurume Ochiai 1'. Ao Fushinari group. Resistance to *Fusarium* wilt.
390252. 'Mitani'. North China group. Very susceptible to *Fusarium* wilt.
390253. 'Mogami'. Pickle group. Medium resistance to *Fusarium* wilt.
390254. 'Natsu Fushinari'. Summer type hybrid group. Medium resistance to *Fusarium* wilt.
390255. 'Nisshi Aonaga Fushinari'. Summer type hybrid group. Susceptible to *Fusarium* wilt.
390256. 'Peking'. North China group. Medium resistance to *Fusarium* wilt.
390257. 'Risshu (B)'. North China group. Susceptible to *Fusarium* wilt.
390258. 'Sado Risshu'. North China group. Medium resistance to *Fusarium* wilt.
390259. 'Sagami Hanjiro (A)'. Hanjiro group. Medium resistance to *Fusarium* wilt.
390260. 'Saitama Ochiai 4'. Ao Fushinari group. Highly resistant to *Fusarium* wilt.
390261. 'Sakata'. Pickle group. Medium resistance to *Fusarium* wilt.
390262. 'Santo (A)'. North China group. Susceptible to *Fusarium* wilt.
390263. 'Shimoshirazu Jihai'. Jihai group. Very susceptible to *Fusarium* wilt.
390264. 'Kairyo-Shindome'. Summer type hybrid group. Medium resistance to *Fusarium* wilt.
390265. 'Shogoin Aonaga Fushinari'. Spring type hybrid group. Medium resistance to *Fusarium* wilt.
390266. 'Suyo (B)'. North China group. (Susceptible to *Fusarium* wilt.
390267. 'Tokiwa (B)'. Summer type hybrid group. Very susceptible to *Fusarium* wilt.
390268. 'Too Sanjaku'. North China group. Medium resistance to *Fusarium* wilt.
390269. 'Yamato Sanjaku'. North China group. Medium resistance to *Fusarium* wilt.

390270. CRAMBE FILIFORMIS Jacq. Cruciferae.

From Spain. Seed presented by C. Gomez-Campo, Universidad Escuela Tecnica Superior de Ingenieros Agronomos, Madrid. Received Septem 20, 1974.

Three km from Berja, Almeria Province. Bottom of deep dry valley behind sanctuary of Our Lady of Gader. Wild.

390271 to 390382.

From Yugoslavia. Seed presented by Lazar Babamov, Zemjodelski Institute, Skopje under Public Law 480 Project UO-ARS-26. Received September 25, 1974.

- 390271 to 390280. AVENA SATIVA L. Gramineae. Common oat.**
390271. VI/2. S.Stari Grad, Titov Veles, Macedonia.
390272. VI/2. S.Busolci, Titov Veles, Macedonia.
390273. VI/3. S.Racovec, Titov Veles, Macedonia.
390274. VI/4. S.Baldalija, Stipsko, Macedonia.
390275. VI/5. S.Leskovica, Stipsko, Macedonia.
390276. VI/6. S.Dolani, Stipsko, Macedonia.

390271 to 390382—Continued**390271 to 390280—Continued**

390277. VI/7. S.Kosturno, Strumicko, Macedonia.
 390278. VI/8. S.Bojkovo, Strumicko, Macedonia.
 390279. VI/9. S.Tremnic, Demir Kapija, Macedonia.
 390280. VI/10. S.Davidovo, Gevgeljsko, Macedonia.

390281 to 390328. HORDEUM VULGARE L. Gramineae.**Barley.**

390281. VI/1. S.Nerezi, Skopsko, Macedonia.
 390282. IV/2. S.Radisani, Skopsko, Macedonia.
 390283. IV/3. Zajcev rid, Skopsko, Macedonia.
 390284. IV/4. S.Mirkovci, Skopsko, Macedonia.
 390285. IV/5. S.Rakotinci, Skopsko, Macedonia.
 390286. IV/6. S.Grusino, Skopsko, Macedonia.
 390287. IV/7. Aracinovski rid, Skopsko, Macedonia.
 390288. IV/8. S.Ljubanci, Skopsko, Macedonia.
 390289. IV/9. S.Kosturno, Strumicko, Macedonia.
 390290. IV/10. S.Kuckovo, Skopsko, Macedonia.
 390291. IV/11. S.Pusta Breznica, Skopsko, Macedonia.
 390292. IV/12. S.Mrsevci, Skopsko, Macedonia.
 390293. IV/13. S.Bujkovci, Skopsko, Macedonia.
 390294. IV/14. Titov Veles, Macedonia.
 390295. IV/15. S.Rosoman, T.Velesko, Macedonia.
 390296. IV/16. S.Kocilari, T.Velesko, Macedonia.
 390297. IV/17. S.Nogaevci, T.Velesko, Macedonia.
 390298. IV/18. S.Rakovec, T.Velesko, Macedonia.
 390299. IV/19. S.Kocilari, T.Velesko, Macedonia.
 390300. IV/20. S.Vinicani, Gradsko, Macedonia.
 390301. IV/21. S.SAUVO Grlo, Demir Hisar, Macedonia.
 390302. IV/22. Demir Hisar, Macedonia.
 390303. IV/23. S.Lopatica, Demir Hisar, Macedonia.
 390304. IV/24. S.Tremnik, Demir Hisar Kapija, Macedonia.
 390305. IV/25. S.Drenovo, Kavadarcko, Macedonia.
 390306. IV/26. S.Drenovo, Kavadarcko, Macedonia.
 390307. IV/27. Kavadarci, Macedonia.
 390308. IV/28. Suprotno od Drenovo, Kavadarci, Macedonia.
 390309. IV/29. S.Przdevo, Negotinsko, Macedonia.
 390310. IV/30. S.Przdevo, Negotinsko, Macedonia.
 390311. IV/31. S.Przdevo, Negotinsko, Macedonia.
 390312. IV/32. S.Przdevo, Negotino, Macedonia.
 390313. IV/33. S.Kukurecani, Bitolosko, Macedonia.
 390314. IV/34. Kicevo, Macedonia.
 390315. IV/35. S.Rizmarica, Bitolsko, Kicevsko, Macedonia.
 390316. IV/36. S.Sarakince, Tetovo, Macedonia.
 390317. IV/37. S.Sarmzalino, Ovce Pole, Macedonia.
 390318. IV/38. S.Leskovica, Stipsko, Macedonia.

390271 to 390382—Continued**390271 to 390280—Continued**

390319. IV/39. S.Bogoslovec, Stipsko, Macedonia.
 390320. IV/40. S.Dolani, Stipsko, Macedonia.
 390321. IV/41. S.Dolani Balvan, Stipsko, Macedonia.
 390322. IV/42. S.Trakonja, Kocansko, Macedonia.
 390323. IV/43. S.Dukatino, Radovisko, Macedonia.
 390324. IV/44. Radovis, Macedonia.
 390325. IV/45. Dojran, Macedonia.
 390326. IV/46. S.Prdejci, Gevgelisko, Macedonia.
 390327. IV/47. S.Negorci, Gevgelisko, Macedonia.
 390328. IV/48. S.Negorci, Gevgelisko, Macedonia.

390329 to 390347. TRITICUM AESTIVUM L. Gramineae. Common wheat.

390329. I/1. S.Racovec, T.Veles, Macedonia.
 390330. I/2. S.Stari Grad, T.Veles, Macedonia.
 390331. I/3. S.Izvor, T.Veles, Macedonia.
 390332. I/4. S.Caska, T.Veles, Macedonia.
 390333. I/5. S.Leskovica, Stipsko, Macedonia.
 390334. I/6. S.Leskovica, Stipsko, Macedonia.
 390335. I/7. S.Leskovica, Stipsko, Macedonia.
 390336. I/8. S.Dolani, Stipsko, Macedonia.
 390337. I/9. S.Kosturino, Strumicko, Macedonia.
 390338. I/10. S.Kosturino, Strumicko, Macedonia.
 390339. I/11. S.Susica, Strumicko, Macedonia.
 390340. I/12. Radovis, Macedonia.
 390341. I/13. S.Damjan, Radovisko, Macedonia.
 390342. I/14. S.Furka, Dojransko, Macedonia.
 390343. I/15. Dojran, Macedonia.
 390344. I/16. S. Nikolic, Dojransko, Macedonia.
 390345. I/17. S.Tremnik, Demir Kapija, Macedonia.
 390346. I/18. Demir Kapija, Macedonia.
 390347. I/19. S. Nerezi, Skopsko, Macedonia.

390348. TRITICUM DURUM Desf.

- II/1. S.Davidovo, Gevgelisko, Macedonia.

Durum wheat.**390349 to 390351. TRITICUM TURGIDUM L.**

390349. III/1. S.Tremnik, Demir Kapija, Macedonia.
 390350. III/2. S.Turka, Dojransko, Macedonia.
 390351. III/3. S.Rakovec, T.Veles, Macedonia

Poulard wheat.**390352 to 390382. SECALE CEREALE L. Gramineae.**

390352. V/1. S.Kuckovo, Skopsko, Macedonia.
 390353. V/2. S.Nerezi, Skopsko, Macedonia.
 390354. V/3. S.Mirkovci, Skopsko, Macedonia.
 390355. V/4. S.Bujkovci, Skopsko, Macedonia.
 390356. V/5. S.Bardovci, Skopsko, Macedonia.
 390357. V/6. S.Grusino, Skopsko, Macedonia.

Rye.

390271 to 390382—Continued**390352 to 390382—Continued**

390358. V/7. S.Brazda, Skopsko, Macedonia.
 390359. V/8. S.Nerezi, Skopsko, Macedonia.
 390360. V-9. S.Dolni Balvan, Stipsko, Macedonia.
 390361. V/10. S.Cardaklija, Stipsko, Macedonia.
 390362. V/11. S.Kosturino, Strumicko, Macedonia.
 390363. V/12. S.Susica, Strumicko, Macedonia.
 390364. V/13. S.Ducatin, Radovisko, Macedonia.
 390365. V/14. Radovis, Macedonia
 390366. V/15. S.Lakovica, Radovisko, Macedonia.
 390367. V/16. S.Rodicevo, Radovisko, Macedonia.
 390368. V/17. S.Kukurecani, Bitolsko, Macedonia.
 390369. V/18. S.Rizmarci, Bitolsko, Macedonia.
 390370. V/19. S.Rakovec, Velesko, Macedonia.
 390371. V/20. S.Rosoman, T. Velesko, Macedonia.
 390372. V/21. Titov Veles, Macedonia.
 390373. V/22. S.Trakonje, Kocansko, Macedonia.
 390374. V/23. S.Bogdanci, Gevgeljsko, Macedonia
 390375. V/24. S.Smokvica, Gevgeljsko, Macedonia.
 390376. V/25. Gevgelija, Macedonia.
 390377. V/26. S.Vinicani, Gradsko, Macedonia.
 390378. V/27. S.Tremnik, Demir Kapija, Macedonia.
 390379. V/28. S.Drenovo, Kavadarci, Macedonia.
 390380. V/29. S.Furka, Dojransko, Macedonia.
 390381. V/30. Dojran, Macedonia.
 390382. V/31. S.Vladimirovo, Berovsko, Macedonia.

390383 to 390421.

From Colombia. Plant material collected by H. F. Winters, Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland, and R. L. Clark, Regional Plant Introduction Station, Ames, Iowa. Received September 3, 1974.

- 390383 to 390385. ARACHIS HYPOGAEA L. Leguminosae. Peanut.**
 390383. W-C 960. Market, Florida, Department Valle. Said to be originally from Department Narino. Seed small, irregular, light colored. Cultivated. Seed.
 390384. W-C 961. Market, Florida, Department Valle. Said to be originally from Department Narino. Seed small to medium. Seed coat wrinkled, light pink. Cultivated. Seed.
 390385. W-C 972. Santander-Popayan road, Rio Mandiva, Department Cauca. In roadside garden. Cultivated. Seed.
- 390386. BEFARIA sp. Ericaceae.**
 W-C 969. 'Angucha'. Roadside on hill before entering Popayan, Department Cauca. Seed.
- 390387. BOROJOA PATINOI Cuatrec. Rubiaceae.**
 W-C 968. 'Borojo'. Instituto Colombiano Agropecuario, Palmira, Department Valle. Tree with large, dark green, opposite leaves. Flowers of one sex on each plant. Fruit round, brown at maturity. Fruit pulp said to stimulate fertility in humans. Cultivated. Seed.

390383 to 390421—Continued

- 390388 to 390390.** *CYPHOMANDRA BETACEA* (Cav.) Sendt. Solanaceae.
Tree-tomato.
390388. W-C 946. Market at Jamundi, Department Valle. Fruit ovate, 5 by 7 cm, red. Local name Tomate de arbol. Cultivated. Seed.
390389. W-C 947. Market at Jamundi, Department Valle. Fruit ovate, to 4 by 6 cm, yellow. Slightly barred with brownish red. Local name Tomate de arbol. Cultivated. Seed.
390390. W-C 948. Market at Jamundi, Department Valle. Fruit ovate, 4-5 by 6-7 cm. Orange to red with bars of darker color. Local name Tomate de arbol. Cultivated. Seed.
- 390391.** *DOLICHOS LABLAB* L. Leguminosae. **Hyacinthbean.**
W-C 975. Rosas, Department Cauca. Herbaceous vine growing by roadside. Wild. Seed.
- 390392.** *ECHEVERIA* sp. Crassulaceae.
W-C 977. Villa Moreno, near Pasto, Department Narino. Herbaceous plant with stout central stem to 30 cm. Leaves succulent, clustered at branch tips. Flowers pale orange, spike to 15 cm. Growing on rocky promontory. Local name Siempre Viva. Wild. Seed.
- 390393.** *GOSSYPIUM* sp. Malvaceae. **Cotton.**
W-C 957. Puerto Tejada, Department Cauca. Shrub to 2 m, lint white. Cultivated. Seed.
- 390394.** *GOSSYPIUM* sp. **Cotton.**
W-C 979. Majaras near La Estrecho, Department Cauca. Shrub to 3 m. Flowers pale yellow, fruit small, lint white. Cultivated. Seed.
- 390395.** *IPOMOEA* sp. Convolvulaceae.
W-C 974. Rosas, Department Cauca. Twining, herbaceous vine. Flowers lavender, 5 cm in diameter. Pods small. Local name Batatilla. Wild. Seed.
- 390396.** *LUFFA ACUTANGULA* (L.) Roxb. Cucurbitaceae. **Singkwa towelgourd.**
W-C 973. Santander-Popayan road, Rio Mandiva, Department Cauca. In roadside garden. Cultivated. Seed.
- 390397.** *LUPINUS* sp. Leguminosae.
W-C 980. Garden of Chalet Guamez, Lago de las Cochas, Department Narino. Herbaceous plant to 1.5 m. Flowers pale lavender. Seed eaten. Local name Alberjilla. Cultivated. Seed.
- 390398 to 390402.** *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**
390398. W-C 942. Market at Girardot, Department Cundinamarca. Fruit ovoid, 2 to 5 cm in diameter, 2 or sometimes 3 cells. Green until fully ripe, red. Local name Chonto. Cultivated. Seed.
390399. W-C 944. Garden on Girardot road to Ibague. Plant with slender stems. Fruit 4.5 by 5 cm, red, solid. Leaflets small, light green. Selected for size and uniformity by grower. Local name Chonto. Cultivated. Seed.
390400. W-C 945. Market at Jamundi, Department Valle. Plant 6 to 10 celled. Fruit 5.5-7 by 4 cm in diameter, red or green blotched. Cells forming ribs on exterior. Local name Rinon. Cultivated. Seed.
390401. W-C 949. Santander, Department Cauca. Fruit 6.5 to 10 cm in diameter, flat, 7 to 10 cells, 4 to 4.5 cm thick. Local name Tomate Rinon. Cultivated. Seed.
390402. W-C 955. Market at Puerto Tejada, Department Cauca. Fruit 6.5 to 8 cm in diameter, 7 to 10 cells, depression between cells, flat, 4 cm thick, red. Local name Rino. Cultivated. Seed.

390383 to 390421—Continued

- 390403 to 390410.** *LYCOPERSICON ESCULENTUM* var. *CERASIFORME* (Dun.)
A. Gray Cherry tomato.
- 390403.** W-C 951. La Augustina, on Santander road to Popayan, Department Cauca. Herbaceous plant to 40 cm. About 7 fruits borne in lax inflorescence slightly subglobose, 2 to 3 celled, 1.5 to 1.75 cm. Locular walls visible through semi-transparent skin. Green shoulder, red at full maturity. In roadside garden. Seed.
- 390404.** W-C 958. Puerto Tejada, Department Cauca. Fruit round to 1.8 cm, red. Cultivated. Seed.
- 390405.** W-C 959. Farm near Puerto Tejada, Department Cauca. Lax herbaceous plant to 1 m. Fruit slightly flattened, 1 to 2 cm, red. Cultivated. Seed.
- 390406.** W-C 962. Pedro Dias, Florida, Department Valle. Lax herbaceous plant to 1 m. Fruit close set on peduncle, globose, 2 to 2.5 cm, dark red. Cultivated. Seed.
- 390407.** W-C 963. Tarragona, Florida, Department Valle. Lax herbaceous plant to 1 m. Fruit slightly flattened, 1 to 2 cm in diameter, red. Cultivated. Seed.
- 390408.** W-C 964. Chocosita, Florida, Department Valle. Lax herbaceous plant to 1 m. Fruit globose, 1.5 cm in diameter, red. Cultivated. Seed.
- 390409.** W-C 970. Kina Majo, near Santander, Department Cauca. Fruit globose, 1.75 to 2.0 cm in diameter, red. Cultivated. Seed.
- 390410.** W-C 971. Rio Mandiva, between Santander and Popayan. Fruit globose, 1.75 to 2 cm in diameter, red. Cultivated. Seed.
- 390411 and 390412.** *PASSIFLORA EDULIS* Sims Passifloraceae.
- 390411.** W-C 952. Market at Cali, Department Valle. Originally from Palmira. Fruits ovoid, 7-9 by 5-7 cm, light purple. Local name Maracuya. Cultivated. Seed.
- 390412.** W-C 953. Market at Cali, Department Valle. Originally from Palmira. Fruit ovoid, 5.5 by 6.5 cm, orange. Local name Maracuya. Cultivated. Seed.
- 390413.** *PASSIFLORA LIGULARIS* Juss. Sweet granadilla.
W-C 954. Market at Cali, Department Valle. Originally from Pasto. Fruit ovoid, 6-7 cm by 9-10 cm, orange with lighter spots. Attachment prolonged into peduncle. Local name Granadilla. Cultivated. Seed.
- 390414.** *PHASEOLUS COCCINEUS* L. Leguminosae. Scarlet runner bean.
W-C 956. Market at Puerto Tejada, Department Cauca. Originally from Toribio, Department Cauca. Seed mostly brownish, medium. Local name Frijol Petaco. Cultivated. Seed.
- 390415.** *RHEEDIA* sp. Guttiferae.
W-C 950. Market at Santander, Department Cauca. Local name Madrona. Seed.
- 390416.** *RUBUS GLAUCUS* Benth. Rosaceae. Andes raspberry.
W-C 943. Market at Girardot, Department Cundinamarca. Fruit large for this species, 1.9 by 3.8 cm long, purplish red. Very juicy, aromatic. Local name Fresa. Cultivated. Seed.
- 390417.** *STENOMESSION* sp. Amaryllidaceae.
W-C 976. Flower orange red, segments not expanded. Capsule deeply 3-lobed, lobes reflexed. Bulbs and seed.

390383 to 390421—Continued**390418.** TAGETES sp. Compositae.

W-C 978. Villa Moneno, near Pasto, Department Narino. Finely branched, herbaceous plant to 30 cm. Flowers small, orange. Foliage aromatic. Local name Gallinaso. Wild. Seed.

390419. VIGNA RADIATA (L.) Wilczek Leguminosae.**Mungbean.**

W-C 967. Field plots at Instituto Colombiano Agropecuario, Palmira, Department Valle. Plant upright, inflorescence elongated, flowers and fruits again after ripening first crop. Seed dark green. Plants badly mildewed. Cultivated. Seed.

390420 and 390421. VIGNA UNGUICULATA (L.) Walp. Leguminosae.

390420. W-C 965. Field plots at Instituto Colombiano Agropecuario, Palmira, Department Valle. Originally from Liberia. Pods very straight, light straw colored. Seed blue grey. Cultivated. Seed.

390421. W-C 966. Field plots at Instituto Colombiano Agropecuario, Palmira, Department Valle. Leaflets strap shaped. Seed small, tan with dark hilum. Originally from Liberia. Cultivated. Seed.

390422 to 390579.

From Ecuador. Plant material collected by H. F. Winters, Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland, and R. L. Clark, Regional Plant Introduction Station, Ames, Iowa. Received September 3, 1974.

390422 and 390423. ANNONA CHERIMOLA Mill. Annonaceae. **Cherimoya.**

390422. W-C 1388. Loja. Large, green, ovoid fruit with surface reticulations but no protuberances. Cultivated. Seed.

390423. W-C 1389. Loja. Large, irregular, green fruit with prominent protuberances. Cultivated. Seed.

390424. ANTHURIUM sp. Araceae.

W-C 1017. Roadside between Quito and Santo Domingo de Los Colorados. Herb on steep roadbank. Plant.

390425. ANTHURIUM sp.

W-C 1018. Roadside between Quito and Santo Domingo de Los Colorados. Herb on steep roadbank. Plant.

390426. ANTHURIUM sp.

W-C 1362. Road bank near Pinas. Stout herb to 1 m tall, leaves cordate to 50 cm long with broad sinus. Flowers not seen. Plant.

390427. ANTHURIUM sp.

W-C 1363. Road bank near Pinas. Stout herb to 1 m tall. Leaf oblong to 50 cm long, sinus narrow. Plant.

390428 to 390433. ARACHIS HYPOGAEA L. Leguminosae.**Peanut.**

390428. W-C 984. San Roque market. Quito. Dark purplish-red seed coat. Seed.

390429. W-C 1020. Instituto Nacional de Investigaciones Agropecuarias Experiment Station, Portoviejo. Large seed, white seed coat. Local name Crillo blanco. Seed.

390430. W-C 1021. Instituto Nacional de Investigaciones Agropecuarias Experiment Station, Portoviejo. Large seed, white seed coat. Local name Fortuna. Seed.

390431. W-C 1022. Instituto Nacional de Investigaciones Agropecuarias Experiment Station, Portoviejo. Medium sized seed, almost black seed coat. Local name Criollo negro. Seed.

390432. W-C 1379. Sambi, Loja, Small seed, purplish seed coat. Seed.

390422 to 390579—Continued**390428 to 390433—Continued**

390433. W-C 1382. Zonas Cajas de Calica, Loja. Small to medium variable shaped seed, purple seed coat. Seed.

390434. BOUGAINVILLEA sp. Nyctaginaceae.

W-C 1063. Road from Catacocha to Macara. Shrubby vine, spiny, flowers orange rust. Wild. Seed.

390435. CANNA sp. Cannaceae.

W-C 1391. Canas. Flower not seen. Rhizomes.

390436 to 390438. CAPSICUM ANNUM L. Solanaceae. **Pimento.**

390436. W-C 1036. Public market, Manta. Ovate fruit, 2 cm long by 1.7 cm diameter. Yellow-orange, yellow seed, pungent. Cultivated. Seed.

390437. W-C 1037. Public market, Manta. Fruit flattened globose, somewhat ridged, 2.3 cm long by 3 cm diameter, dark red, yellow seed, pungent. Cultivated. Seed.

390438. W-C 1381. El Prado, Loja. Fruit elongate pointed, 2 cm long by 5 cm diameter. Seed yellow. Pungent. Cultivated. Seed.

390439 to 390441. CAPSICUM PUBESCENS Ruizv. & Pav.

390439. W-C 992. San Roque market, Quito. Fruit with long pedicel, nipple at stem end, 6 cm long, bright red, 2 celled, pungent. Seed large, black. Local name Rocoto. Cultivated. Seed.

390440. W-C 1058. Botanical Garden, Universidad Nacional, Loja. Evergreen shrub to 1.5 m, fruit red, 5 cm by 4 cm, 2-3 cells, pungent, seed black. Cultivated. Seed.

390441. W-C 1059. Botanical Garden, Universidad Nacional, Loja. Evergreen shrub to 1.5 m, fruit yellow, 5 cm by 4 cm, 2-3 celled, pungent, seed black. Cultivated. Seed.

390442. CARYODENDRON ORINOCENSE Karst. Euphorbiaceae.

W-C 1390. Zamora, Province Zamora, Chinchipe. Humid forest, elevation 700-900 m. Seeds yield a valuable oil. Nuts edible after roasting. Local name Mani de arbol. Wild. Seed.

390443. CATTLEYA MAXIMA Lindl. Orchidaceae.

W-C 1405. Universidad Nacional, Loja. Epiphytic, flowers lavender. Wild. Plant.

390444 and 390445. CHIONANTHUS PUBESCENS H.B.K. Oleaceae.

390444. W-C 1061. Along road from Catacocha to Macara. Profusely flowering tree to 4 m tall. Flowers pink. Local name Arupo. Seed.

390445. W-C 1385. Loja. From dry forests, at elevation 1,500-2,200 m. Tree with rose colored flowers, fruit a drupe. Ornamental. Local name Arupo de Loja. Wild. Seed.

390446. CHRYSANTHEMUM sp. Compositae.

W-C 995. Hotel Quito, Quito. Subshrub to 1 m, flowers single, pink with yellow center. Ornamental. Cultivated. Seed.

390447. CHRYSANTHEMUM sp.

W-C 996. Hotel Quito, Quito. Dwarf border plant, semidouble white flowers. Ornamental. Cultivated. Seed.

390448. CORDIA sp. Boraginaceae.

W-C 1025. Roadside near Investigaciones Agropecuarias Experiment Station, Portoviejo. Shrub to small tree, leaves scabrous, flowers bright yellow, campanulate, 4 cm diameter. Fruit a translucent-white drupe, ovate-globose, 2 cm long. Juice of fruit used locally for glue. Local name Muyuyu. Wild. Seed.

390422 to 390579—Continued**390449.** CUCUMIS ANGURIA L. Cucurbitaceae.

W-C 1000. Two km south of San Antonio, along road to Manta. Dry region. Prostrate, herbaceous vine. Fruit ovoid, 4.5 cm by 3 cm, sparingly spiny. Greenish yellow, pedicel 8 cm long. Seed.

390450. CUCUMIS DIPSACEOUS Ehrenb.

W-C 999. Two km south of San Antonio, along road to Manta. Dry region. Prostrate vine. Fruit oblong, 6-7 cm by 4 cm, densely soft spined, yellow. Local name Bolsa de toro. Seed.

390451 to 390452. CUCUMIS MELO L.**Muskmelon.****390451.** W-C 1035. Public market, Manta. Fruit globose, 8 cm diameter, smooth, dark orange, fragrant. Cultivated. Seed.**390452.** W-C 1060. Public market, Manta. Fruit oblong, ridged, yellow. Flesh pale yellow, high quality. Local name Criollo. Seed.**390453.** CUCUMIS sp.

W-C 1374. Landangui, Loja. Herbaceous vine, fruit green, 2 cm long and 1 cm wide. Local name Pepinillo. Wild. Seed.

390454. CUCURBITA sp. Curcurbitaceae.

W-C 1012. Five km from San Antonio along road to Manta. Herbaceous vine. Fruit round, 12 cm diameter, greenish yellow, pulp white, peduncle hard, slightly swollen at attachment to fruit. Eaten by burros. Local name Chia. Wild. Seed.

390455. CUCURBITA sp.

W-C 1013. Instituto Nacional de Investigaciones Agropecuarias Experiment Station, Portoviejo. Fruit dark green with yellow stripes. Local name Chia. Wild. Seed.

390456. CUCURBITA sp.

W-C 1386. Zonas Cajas de Celico, Loja. Local name Zambumba. Wild. Seed.

390457. CYPHOMANDRA BÉTACEA (Cav.) Sendt. Solanaceae. **Tree-tomato.**

W-C 988. San Roque market, Quito. Said to be from Oriente. Large fruits purplish red over orange. Local name Tomate del arbol. Cultivated. Seed.

390458. CYPHOMANDRA sp.

W-C 1057. Botanical Garden, Universidad Nacional, Loja. Semi-woody to 2 m, leaf coriaceous, glabrous. Cultivated. Seed.

390459 and 390460. DOLICHOS LABLAB L. Leguminosae. **Hyacinthbean.****390459.** W-C 1375. Celica, Loja. Vine. Brown seed, white hilum. Grown with corn for forage and seed. Local name Zarundoja. Cultivated. Seed.**390460.** W-C 1376. Celica, Loja. Vine. Seed light tan, white hilum. Cultivated. Seed.**390461.** ECHINOCYSTIS sp. Cucurbitaceae.

W-C 1010. Instituto Nacional de Investigaciones Agropecuarias Experiment Station, Portoviejo. Herbaceous weed in cultivated fields. Inflorescence compound, flowers yellow, 2 cm diameter. Fruit obovate, spiny, apex prolonged and circumscissile dehiscent, fibrous interior spongelike. Local name Lavaplatos. Wild. Seed.

390462. ECHINOCYSTIS sp.

W-C 1011. Instituto Nacional de Investigaciones Agropecuarias Experiment Station, Portoviejo. Resembles P.I. 390461 except fruit almost free of spines. Wild. Seed.

390463. FRAGARIA CHILOENSIS (L.) Duchesne Rosaceae.**Chiloe strawberry.**

W-C 1413. Public market, Ambato. Fruits elongate to 4 cm by 2.5 cm, whitish with pink blush on one side, firm. Local name Frutilla. Cultivated. Seed.

390464. GOSSYPIUM sp. Malvaceae.**Cotton.**

W-C 1103. Thirty-two km toward Guayaquil from Manta. Perennial shrub to 3 m. Wild. Seed.

390465. GOSSYPIUM sp.**Cotton.**

W-C 1377. Loja. Semi-wild. Seed.

390422 to 390579—Continued

- 390466.** *GOSSYPIUM* sp. Cotton.
W-C 1378. La Toma, Loja. Seed.
- 390467.** *GOSSYPIUM* sp. Cotton.
W-C 1380. Celico, Loja. Seed.
- 390468.** *HORDEUM VULGARE* L. Gramineae. Barley.
W-C 1367. Celico, Loja. Local name Criolla. Cultivated. Seed.
- 390469.** *INDIGOFERA* sp. Leguminosae.
W-C 1041. Roadside 89 km from Manta to Guayaquil. Prostrate spreading herb. Flowers tiny, coral. Wild. Seed.
- 390470 to 390472.** *IPOMOEA BATATAS* (L.) Lam. Convolvulaceae. Sweetpotato.
- 390470.** W-C 1400. La Toma, Loja. Large yellow tuber, stem purple, leaf deeply lobed. Tubers.
- 390471.** W-C 1401. La Toma, Loja. Stem purple, tuber yellow. Tubers.
- 390472.** W-C 1402. La Toma, Loja. Stem green, leaf trifid. Local name Cuarentena. Tubers.
- 390473.** *IPOMOEA* sp.
W-C 1007. Instituto Nacional de Investigaciones Agropecuarias Experiment Station, Portoviejo. Weed in cultivated field. Herbaceous vine. Inflorescence compound, 3-6 flowered, calyx and pedicel hairy, flower 3.5 cm, white. Wild. Seed.
- 390474.** *IPOMOEA* sp.
W-C 1008. Instituto Nacional de Investigaciones Agropecuarias Experiment Station, Portoviejo. Small white flower. Weed in cultivated field. Seed.
- 390475.** *IPOMOEA* sp.
W-C 1009. Instituto Nacional de Investigaciones Agropecuarias Experiment Station, Portoviejo. Spiny calyx, blue flower. Weed in cultivated field. Seed.
- 390476.** *IPOMOEA* sp.
W-C 1015. Roadside near Montecristi. Viny shrub. Flower pink to 7 cm diameter, usually when bare of leaves. Very dry site. Local name Floron. Wild. Seed.
- 390477.** *IPOMOEA* sp.
W-C 1016. Roadside near Montecristi. Viny shrub. Flower white, to 7 cm diameter when bare of leaves. Only pure white seen among thousands of plants. Local name Floron. Wild. Seed.
- 390478.** *IPOMOEA* sp.
W-C 1065. Roadside between Manta and Guayaquil. Viny shrub to 2 m in arid region. Flowers very light pink. Local name Floron. Wild. Seed.
- 390479.** *IPOMOEA* sp.
W-C 1104. From Manta 31 km on road to Guayaquil. Viny shrub. Pale pink morning-glorylike glowers. Local name Floron. Wild. Seed.
- 390480.** *IPOMOEA* sp.
W-C 1105. From Manta 34 km on road to Guayaquil. Viny shrub. Dark purplish red morning-glorylike flowers. Local name Floron. Seed.
- 390481.** *IPOMOEA* sp.
W-C 1062. Road from Catacocha to Macara. Arid region. Tree to 3 m, trunk 70 cm diameter at base. Flowers silky white with black throat, produced when leafless. Wild. Seed.
- 390482.** *IPOMOEA* sp.
W-C 1403. Celico. Plant Herbaceous. Flowers purple. Cuttings.
- 390483.** *JUGLANS* sp. Juglandaceae.
W-C 993. San Roque market, Quito, Originally from Ambato. Nut black, hard, 4 cm diameter. Local name Tote. Cultivated. Seed.

390 422 to 390579—Continued**390 481. JUGLANS sp.**

W-C 994. San Roque market, Quito. Originally from Tumbaco. Nut black, hard, 4 cm diameter. Local name Tote. Cultivated. Seed.

390 485. JUGLANS sp.

W-C 1414. Public market, Ambato. Nut black, hard, ridged, 4 cm by 3.5 cm. Cultivated. Seed.

390 486. KOHLERIA SPICATA (H.B.K.) Oerst. Gesneriaceae.

W-C 1014. Roadside near Santo Domingo delos Colorados. Vigorous erect herb to 1 m tall with pubescent stems and leaves. Flowers densely clustered in axils of terminal leaves, 2 cm long, orange red, capsule ovate. Wild. Seed.

390 487. LEDENBERGIA SEGUIERIODIDES Klotzsch ex Moq. Phytolaccaceae.

W-C 1364. Viny shrub to 4 m. Inflorescence terminal on branches, dense panicle of many white, yellowish or pale green florets. Local name Choritos. Cultivated.

390 488 to 390 493. LYCOPERSICON ESCULENTUM Mill. Solanaceae.

Tomato.

390 488. W-C 985. San Roque market, Quito. Fruit flattened, some with numerous locules, red. Local name Rinon. Cultivated. Seed.

390 489. W-C 986. San Roque market, Quito. Fruit flat, some with numerous cells, red. Local name Rinon. Cultivated. Seed.

390 490. W-C 1038. Public market, Manta. Fruit flat, many celled, 4.5 cm by 7.5 cm, dark purplish red. Local name Rinon. Cultivated. Seed.

390 491. W-C 1039. Public market, Manta. Fruit flattened-globose, 4.5 cm by 6 cm, bright red, juicy. Local name Serrano. Cultivated. Seed.

390 492. W-C 1042. Public market, Pedro Carbo. Large flat fruit with many cells, cat faced, 6.5 cm by 10 cm, meaty, red. Local name Nacional. Cultivated. Seed.

390 493. W-C 1052. Near Instituto Nacional de Investigaciones Agropecuarias Experiment Station, Boliche. Fruit flattened 2.5 by 4 cm. Cultivated. Seed.

390 494 to 390512. LYCOPERSICON ESCULENTUM var. CERASIFORME (Dun.)

A. Gray

Cherry tomato.

390 494. W-C 1001. Six km along road San Antonio to Manta. Dry creek bank. Lax herb to 2 m. Fruit 1.5 cm, dark red. Wild. Seed.

390 495. W-C 1002. El Junco locality on road San Antonio to Manta. Lax herb to 2 m. Fruit 1.5 cm, dark red. Wild. Seed.

390 496. W-C 1003. Five km toward Manta, from Junco on road San Antonio to Manta. Lax herb to 3 m. Fruit 1.75 cm, dark red, very sweet. Wild. Seed.

390 497. W-C 1004. Instituto Nacional de Investigaciones Agropecuarias Experiment Station, Portoviejo. Weed in cultivated fields. Local name Tomatillo. Wild. Seed.

390 498. W-C 1027. Near Portoviejo. Fruits average 1.3 cm diameter, bright red. Wild. Seed.

390 499. W-C 1028. Near Portoviejo. Vigorous plant. Fruit 7 in raceme, 1.5 cm diameter, dark red, sweet. Wild. Seed.

390500. W-C 1029. Roadside near Portoviejo. Fruit 9 per raceme, 1.4 cm diameter, bright red. Wild. Seed.

390501. W-C 1030. Roadside near Portoviejo. Small plant with fruit to 1.5 cm diameter, dark red. Wild. Seed.

390502. W-C 1031. Roadside near Portoviejo. Four to six fruit per raceme. Dark red, 1.5 cm diameter. Wild. Seed.

390422 to 390579—Continued**390494 to 390512—Continued**

- 390503.** W-C 1032. Roadside near Portoviejo. Vigorous plant. Some inflorescences branched with up to 12 fruit. Fruit bright red to 1.5 cm diameter. Wild. Seed.
- 390504.** W-C 1033. Roadside near Portoviejo. Plant small. Fruit bright red, round, 1.2 cm diameter. Wild. Seed.
- 390505.** W-C 1034. Roadside near Portoviejo. Fruit round, red to 1.5 cm diameter. Wild. Seed.
- 390506.** W-C 1043. Road bank, near Jipijapa. Plant procumbent. Fruit round, dark red, 1.5 cm diameter. Local name Tomatillo. Wild. Seed.
- 390507.** W-C 1044. Roadside near Jipijapa. Fruit variable in size, to 1.5 cm diameter, dark red. Wild. Seed.
- 390508.** W-C 1045. Roadside near Jipijapa. Vigorous plant with up to 9 fruit per raceme. Fruit globose or slightly flattened, to 2 cm diameter, dark red. Wild. Seed.
- 390509.** W-C 1049. Instituto Nacional de Investigaciones Agropecuarias Experiment Station, Boliche. Fruits from several plants, variable in size. Local name Tomatillo. Wild. Seed.
- 390510.** W-C 1050. Instituto Nacional de Investigaciones Agropecuarias Experiment Station, Boliche. Fruit globose, 2.5 cm diameter, red. Wild. Seed.
- 390511.** W-C 1051. Instituto Nacional de Investigaciones Agropecuarias Experiment Station, Boliche. Plant more vigorous than others. Fruit 1.5 cm diameter, bright red. Wild. Seed.
- 390512.** W-C 1053. Near Instituto Nacional de Investigaciones Agropecuarias Experiment Station, Boliche. Fruit globose, 2-3 cm diameter. Cultivated. Seed.

390513 to 390515. LYCOPERSICON HIRSUTUM Humb. & Bonnl.

- 390513.** W-C 1054. Botanical Garden of Universidad Nacional, Loja. Vigorous upright vine, coarse, extremely hairy. Fruit to 2 cm diameter, whitish when ripe with vertical green stripe, hirsute. Wild. Seed.
- 390514.** W-C 1365. Malacatus, Loja. Elevation 1,500 m. Wild. Seed.
- 390515.** W-C 1412. Ten km from Alousi toward Guamote, Panamerican Highway. Fruit large. Growing with cactus. Wild. Seed.

390516 to 390518. LYCOPERSICON PERUVIANUM (L.) Mill.

- 390516.** W-C 1046. Road near Jipijapa. Plant slender. Fruit light green with dark green stripe. Wild. Seed.
- 390517.** W-C 1047. Along road Manta to Guayaquil, past Jipijapa. Lax vine with pale green hairy fruits, dark green stripe. Wild. Seed.
- 390518.** W-C 1048. Along road Manta to Guayaquil, past Jipijapa. Vigorous vine. Fruits whitish at maturity with green stripe, pubescent, slightly globose, 1.5 cm long by 1.75 cm wide. Wild. Seed.

390519. LYCOPERSICON PIMPINELLIFOLIUM (L.) Mill. Currant tomato.
W-C 1361. Ten km toward Pinas from coast route of Panamerican Highway. Fruit large, red, Wild. Seed.**390520. ONCIDIUM MACRANTHUM Lindl. Orchidaceae.**

W-C 1406. Universidad Nacional, Loja. Epiphytic herb with twining inflorescence 2 m long. Flowers 6 cm diameter, sepals brownish, petals yellow, lip triangular, maroon with yellow center. Wild. Plant.

390521. ONCIDIUM PUSILLUM Reichb. f.

W-C 1408. Universidad Nacional, Loja. Epiphytic herb to 4 cm tall. Leaves distichous, equitant. Inflorescence 4 cm, filiform, producing one flower at a time. Flower 2 cm by 1.75 cm, bright yellow with brownish red spots. Wild. Plant.

390422 to 390579—Continued**390522. ONCIDIUM sp.**

W-C 1407. Universidad Nacional, Loja. Epiphytic herb with twining inflorescence to 2 m long. Flowers 4.5 cm diameter, brownish. Wild. Plant.

390523. ONOSERIS HYSSOPIFOLIA H.B.K. Compositae.

W-C 982. Roadside between Bolivar and Juncal. Dwarf plant with grey foliage. Flowers pink on upper surface of rays, orange on reverse. Found in dry locations. Wild. Seed.

390524 to 390526. OXALIS TUBEROSA Molina. Oxalidaceae.

390524. W-C 1397. Canas. Small to medium, whitish tubers. Local name Oca. Tubers.

390525. W-C 1398. Canas. Small to medium, dark purple-red tubers. Local name Oca morada. Tubers.

390526. W-C 1399. Canas. Large yellow tubers, tinted pink. Local name Oca. Tubers.

390527. PASSIFLORA COCCINEA Aubl. Passifloraceae.**Scarlet passionflower.**

W-C 983. Roadside between Bolivar and Juncal. Herbaceous vine. Flowers scarlet, fringe very short. Fruit ovoid 5 cm by 3 cm, edible. Seed.

390528 and 390529. PASSIFLORA FOETIDA L.**Passionflower.**

390528. W-C 1005. Instituto Nacional de Investigaciones Agropecuarias Experiment Station, Portoviejo. Herbaceous vine, leaf obovate, lobed. Flower 3 cm, pale violet, surrounded by doubly pinnatisect sepals. Fruit ovate, 3 cm. Plant viscid, unpleasant odor. Wild. Seed.

390529. W-C 1026. Roadside near Portoviejo. Vine with entire leaves, small lilac flower. Fruit 2 cm, surrounded by fringed sepals. Wild. Seed.

390530 to 390533. PHASEOLUS LUNATUS L. Leguminosae. Lima bean.

390530. W-C 1369. Loja. Perennial vine. Seed medium size, white with light purple eye. Local name Torta blanca. Cultivated. Seed.

390531. W-C 1370. Loja. Perennial vine, flower purple. Seed large, with red to purple striations. Local name Torta colorada. Cultivated. Seed.

390532. W-C 1371. Loja. Perennial vine, flower purple. Seed large, heavily striated with black. Local name Torta negra. Cultivated. Seed.

390533. W-C 1372. Loja. Perennial vine. Seed tan, striated. Local name Torta crema. Cultivated. Seed.

390534. PHASEOLUS TUBEROSUS Sesse & Moc. ex G. Don.

W-C 1368. Loja. Dwarf perennial vine, flower white, seed large, white. Local name Poroto manteca. Cultivated. Seed.

390535. PHASEOLUS sp.

W-C 1373. Loja. Perennial with white flowers. Seed rounded, medium size, brown, edible. Plant useful for forage. Local name Poroto cholo. Cultivated. Seed

390536. PLUMBAGO sp. Plumbaginaceae.

W-C 1024. Roadside near Portoviejo. Lax herb. Flowers in terminal spike, 1 cm diameter, white, calyx glandular. Wild. Seed.

390537. RUBUS GLAUCUS Benth. Rosaceae.**Andes raspberry.**

W-C 987. San Roque market, Quito. Originally from Ambato. Reddish purple, large. Local name Fresa. Cultivated. Seed.

390538. RUBUS sp.

W-C 1392. Loja. Druplets few but large. Black. Local name Zamora guayco. Wild. Seed.

390539. RUBUS sp.

W-C 1393. Loja. Fruit medium size, dark purple red. Wild. Seed.

390422 to 390579—Continued**390540.** *RUELLIA* sp. Acanthaceae.

W-C 1023. Roadside at Forestry. Station, near Instituto Nacional de Investigaciones Agropecuarias Experiment Station, Portoviejo. Low herb with dark violet flowers to 4 cm. Wild. Seed.

390541. *SICYOS* sp. Cucurbitaceae.

W-C 1006. Instituto Nacional de Investigaciones Agropecuarias Experiment Station, Portoviejo. Weed in cultivated fields. Herbaceous vine. Flowers green, 1 cm. Fruits held together by woolly hairs, forming green balls. Seed.

390542. *SOLANUM MURICATUM* Ait. Solanaceae.W-C 1366. Loja. Fruit yellow green to 8 cm diameter. Cultivated. Seed. **Pepino.****390543.** *SOLANUM QUITOENSE* Lam.

W-C 989. San Roque market, Quito. Said to be from Oriente. Fruits slightly flattened, 6 cm diameter, orange with stiff pubescence that easily rubs off. Local name Naranjilla. Cultivated. Seed.

390544. *STENOMESSION* sp. Amaryllidaceae.

W-C 998. Steep road bank near Santo Domingo de los Colorados. Bulb to 6 cm diameter, scape 20-40 cm. Flower pendent, 3 cm long, pink with green tip, not expanding. Bulb.

390545. *STENOMESSION* sp.

W-C 1064. High elevation between Cuenca and Loja. Terrestrial bulb, leafless at flowering, scape 30-40 cm. Flowers pendent, bell shaped, orange, to 3 cm long. Bulb.

390546. *STIZOLOBIUM ATERRIMUM* Piper. & Tracy Leguminosae.W-C 1387. La Toma, Loja. Elevation 1,500 m. Herbaceous vine. Flowers purple. Seed large, black with prominent white hilum. Cultivated. Seed. **Velvetbean.****390547.** *TILLANDSIA* sp. Bromeliaceae.

W-C 1404. Universidad Nacional, Loja. Herbaceous epiphyte to 30 cm tall. Spike compound, flowers blue purple. Wild. Plant.

390548. *TROPAEOLUM MAJUS* L. Tropaeolaceae. **Common nasturtium.**

W-C 1056. Botanical Garden, Universidad Nacional, Loja. Prostrate or viny plant. Flower small, orange red. Primitive type. Cultivated. Seed.

390549 to 390551. *TROPAEOLUM TUBEROSUM* Reuz & Pav.**390549.** W-C 1394. Public market, Loja. Tubers yellow. Local name Mashua. Tubers.**390550.** W-C 1395. Public market, Loja. Tubers orange yellow with red markings. Tubers.**390551.** W-C 1396. Canas. Tubers orange yellow. Tubers.**390552 to 390573.** *ZEA MAYS* L. Gramineae.**Corn.****390552.** W-C 990. San Roque market, Quito. Mixed pale purplish-red to white popcorn. Elongated large grain with prolonged point. Cultivated. Seed.**390553.** W-C 991. San Roque market, Quito. Ears 9-12 cm long, well filled rows straight to irregular, pale yellow to amber grain. Sweet corn with some starchy kernels. Local name Calderon. Cultivated Seed.**390554.** W-C 1019. Instituto Nacional de Investigaciones Agropecuarias Experiment Station, Portoviejo. Medium ears, well filled, mixed orange and yellow kernels. Local name Sal Prieta. Said to be semisweet. Cultivated. Seed.**390555.** W-C 1055. Universidad Nacional, Loja. Cross of a Cuzco, Peru, selection and a coastal type. Local name Diente de Caballo. Cultivated. Seed.**390556.** W-C 1066. Universidad Nacional, Loja. Originally from Hacienda. El Capuli, elevation 2,300 m. Large white kernels. Local name Blanco-Harinoso (Cuzco). Cultivated. Seed.

390422 to 390579—Continued**390552 to 390573—Continued**

- 390557.** W-C 1067. Universidad Nacional, Loja. Originally from Hacienda Pompeya, La Arcelia, elevation 2,200 m. Short rounded white kernels. Local name Zhima. Cultivated. Seed.
- 390558.** W-C 1068. Universidad Nacional, Loja. Originally from Gónzánama (Perunuma). Elevation 2,400 m. Small white kernels. Local name Mishico. Cultivated. Seed.
- 390559.** W-C 1069. Universidad Nacional, Loja. Originally from Gonzánama, elevation 2,150 m. Rounded yellow kernels. Local name Morocho-Blanco. Cultivated. Seed.
- 390560.** W-C 1070. Universidad Nacional, Loja. Originally from Gonzánama, elevation 2,250 m. Kernels short round, yellow. Local name Morocho-Blanco. Cultivated. Seed.
- 390561.** W-C 1071. Universidad Nacional, Loja. Originally from Gonzánama (Chalanga). Elevation 2,300 m. Short rounded yellow kernels. Local name Morocho. Cultivated. Seed.
- 390562.** W-C 1072. Universidad Nacional, Loja. Originally from Gonzánama, elevation 2,200 m. Short rounded dark amber kernels. Local name Morocho-Guatemala. Cultivated. Seed.
- 390563.** W-C 1073. Universidad Nacional, Loja. Originally from Gonzánama, elevation 2,200 m. Medium size, yellow kernels. Local name Morocho-Guatemala. Cultivated. Seed.
- 390564.** W-C 1074. Universidad Nacional, Loja. Originally from Pueblo-nuevo, elevation 2,400 m. Rounded yellow kernels. Local name Morocho. Cultivated. Seed.
- 390565.** W-C 1075. Universidad Nacional, Loja. Originally from Salapa, elevation 2,500 m. Medium large white kernels. Local name Blanco-Harinoso. Cultivated. Seed.
- 390566.** W-C 1076. Universidad Nacional, Loja. Originally from Salapa, elevation 2,500 m. Medium size white kernels. Local name Blanco-Zhima. Cultivated. Seed.
- 390567.** W-C 1077. Universidad Nacional, Loja. Medium size white kernels. Local name Diente de Caballo. Cultivated. Seed.
- 390568.** W-C 1078. Universidad Nacional, Loja. Originally from Salapa, elevation 2,300 m. Large rounded yellow kernels. Local name Morocho. Cultivated. Seed.
- 390569.** W-C 1079. Universidad Nacional, Loja. Originally from Taquil, elevation 2,700 m. Medium large white kernels. Local name Blanco-Harinoso. Cultivated. Seed.
- 390570.** W-C 1080. Universidad Nacional, Loja. Originally from Taquil, elevation 2,200 m. Medium size, light red kernels with white base. Local name Blanco (Segregate). Cultivated. Seed.
- 390571.** W-C 1081. Universidad Nacional, Loja. Originally from Taquil, elevation 2,200 m. Rounded, light yellow kernels with white base. Local name Morocho. Cultivated. Seed.
- 390572.** W-C 1383. Saraguro, Loja. Yellow corn, medium large rounded kernels. Local name Maiz Morocho. Cultivated. Seed.
- 390573.** W-C 1384. Celica, Loja. Elevation 2,500–2,700 m. Mixed white and yellow kernels, flour type. Local name Maiz Harinoso. Cultivated. Seed.
- 390574.** Undetermined Cucurbitaceae.
W-C 1040. Along road between Jipijapa and Cascol. Fruit oblong, mottled green and pale yellow, 2.6 cm by 2.0 cm, dries with a thin hard shell. Seed.
- 390575.** Undetermined
W-C 1102. Roadside 19 miles from Manta toward Guayaquil. Fruits to 3 cm long. Mottled green and yellow. Wild. Seed.

390422 to 390579—Continued**390576.** Undetermined Orchidaceae.

W-C 1409. Universidad Nacional, Loja. Epiphytic herb, leaves hard, purplish green, to 7 cm long. Flower 2 cm diameter, greenish brown. Plant.

390577. Undetermined

W-C 1410. Universidad Nacional, Loja. Epiphytic herb. Pseudobulb ridged, slightly flattened, 5.5 cm long, each with 2 plicate leaves to 40 cm. Wild. Plant.

390578. Undetermined

W-C 1411. Universidad Nacional, Loja. Epiphytic herb. Pseudobulb ovate, to 3 cm long with 1 plicate leaf to 20 cm long. Plant.

390579. Undetermined Solanaceae.

W-C 981. Roadside between Bolivar and Juncal. Shrub to 0.75 m tall. Flower violet, 1 to 3 cm, flat, orange stamens. Wild. Seed.

390580 to 390853.

From Peru. Plant material collected by H. F. Winters, Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland, and R. L. Clark, Regional Plant Introduction Station, Ames, Iowa. Received September 3, 1974.

390580 and 390581. ABELMOSCHUS ESCULENTUS (L.) Moench. Malvaceae.**Okra.****390580.** W-C 1182. Universidad Nacional Agraria de la Selva, Tingo Maria. Cultivated. Seed.**390581.** W-C 1297. Chira River, near La Huaca. Mature seed used to adulterate coffee. Cultivated. Seed.**390582.** ALLIUM SATIVUM L. Liliaceae.**Garlic.**

W-C 1171. Public market, Huanuco. Bulbs solid, 2.5 to 4.0 cm diameter. Local name Ajos Machos. Bulbs.

390583. ANTHURIUM SCANDENS (Aubl.) Engler Araceae.

W-C 1219. Thirty km from Tingo Maria on road to Huanuco, along Rio Chinchao. Scandent with oblanceolate leaves to 14 cm long. Wild. Plant.

390584. ANTHURIUM sp.

W-C 1180. Botanic Garden, Universidad Nacional Agraria de la Selva, Tingo Maria. Slender herb with digitately lobed leaf. Flower nearly sessile at stem node; peduncle 1 cm, spathe dark purple 3 cm long, spadix 3 cm long, green grey. Wild. Cuttings.

390585. ANTHURIUM sp.

W-C 1210. Twenty-five km from Tingo Maria on road to Huanuco. Terrestrial on steep slope in shaded location. Plant to 1 m tall. Cordate leaves. Wild. Plant.

390586. ANTHURIUM sp.

W-C 1211. Twenty-five km from Tingo Maria on road to Huanuco. Leaves short petioled, long-oblanceolate with cuneate base. Wild. Plant.

390587. ANTHURIUM sp.

W-C 1217. Twenty-three km from Tingo Maria to Huanuco. Large perennial herb to 1.5 m. Leaves cordate to 50 cm long. Scape 45 cm long, spathe 10 cm long by 3 cm wide, green. Spadix (in fruit) to 27 cm long, each fruit 5 mm wide, purple. Wild. Seed.

390588. ANTHURIUM sp.

W-C 1321. Steep rocky hillside along road from Huancabamba to Canchaque. Stout herb to 1 m. Large ovate acute leaves marked red on petiole and leaf veins. Scape to 50 cm long, spathe 13 cm by 7 cm, green with red tint. Spadix stalked, 14 cm by 2 cm, red purple. Wild. Plant.

390580 to 390853—Continued**390589.** ANTHURIUM sp.

W-C 1322. Along road from Huancabamba to Canchaque. Herb to 50 cm tall. Wild. Plant.

390590. ANTHURIUM sp.

W-C 1323. Along road from Huancabamba to Canchaque. Herb to 1.5 m. Stem elongated, leaf lanceolate. Wild. Plant.

390591 to 390598. ARACHIS HYPOGAEA L. Leguminosae. Peanut.

390591. W-C 1170. Market at Huanuco. Said to be from Maconga. Mixed white and red. Cultivated. Seed.

390592. W-C 1177. Public market, Tingo Maria. Medium size seed, red seed coat. Cultivated. Seed.

390593. W-C 1178. Public market, Tingo Maria. Small to medium size seed. White seed coat. Cultivated. Seed.

390594. W-C 1205. 'Tingo Maria'. Experiment Station, Tulumayo. Large irregular kernels, dull tan with dark grey stripes. Cultivated. Seed.

390595. W-C 1206. 'Yungas'. Experiment Station, Tulumayo. Medium to large, very dark kernels. Cultivated. Seed.

390596. W-C 1327. Public market, Piura. Said to come from Ayabaca. Large red kernels. Cultivated. Seed.

390597. W-C 1328. Public market, Piura. Said to come from Ayabaca. Medium sized, purplish seed coat. Cultivated. Seed.

390598. W-C 1329. Public market, Piura. Said to come from Ayabaca. Small to medium kernels, brownish to purplish in color. Cultivated. Seed.

390599. ARUNDO DONAX L. Gramineae.

W-C 1230. Km 399 along road Lima to Huanuco. Tall reed with green and yellow variegated leaves. Wild. Cuttings.

390600. ASPARAGUS OFFICINALIS L. Liliaceae. Garden asparagus.

W-C 1090. Commercial field between Colunga and Viru (on road Trujillo to Lima). Cultivated. Seed.

390601. BEGONIA sp. Begoniaceae.

W-C 1216. Twenty-five km from Tingo Maria on road to Huanuco. Herb to 90 cm. Flowers pink. Wild. Seed.

390602. BLETIA sp. Orchidaceae.

W-C 1207. Hillside along road to Tulumayo from Tingo Maria. Terrestrial herb from depressed pseudobulb. Tall scapes with bright lavender flowers. Wild. Plants.

390603. BLETIA sp.

W-C 1208. Grassy hillside 25 km from Tingo Maria toward Huanuco. Terrestrial herb from depressed pseudobulb. Leaf plaited, long oblong, 90 cm long. Scape to 75 cm tall, inflorescence of 27 flowers, 25 cm long, flower dark purple, 5.5 cm across. Wild. Plants.

390604. BRITOA ACIDA (Mart.) Berg. Myrtaceae.

W-C 1195. Experiment Station, Tulumayo. Small tree resembling guava. Fruits to 8 cm diameter, yellow, fleshy with several seeds 2 cm long. Edible. Local name Guayava de Brasil. Cultivated. Seed.

390605. BROWALLIA sp. Solanaceae.

W-C 1168. Km 491 on road Lima to Tingo Maria. Small herb, flowers 1 cm, violet, indigo or lavender. Wild. Seed.

390606 to 390608. CAJANUS CAJAN (L.) Millsp. Leguminosae. Pigeonpea.

390606. W-C 1187. Universidad Nacional Agraria de la Selva, Tingo Maria. Small, dark brown seed. Cultivated. Seed.

390607. W-C 1188. Universidad Nacional Agraria de la Selva, Tingo Maria. Large round grey seed. Cultivated. Seed.

390608. W-C 1189. Universidad Nacional Agraria de la Selva, Tingo Maria. Bright brown seed. Cultivated. Seed.

390580 to 390853—Continued

390609. CALAMAGROSTIS sp. Gramineae.

W-C 1246. Near high point on road from Lima to La Oroya. Elevation 4,800 m. Bunch grass with spiny tipped leaves. Wild. Seed.

390610. CANTUA sp. Polemoniaceae.

W-C 1158. Ten km from La Oroya on road to Tarma. Pale pink tubular flowers. Wild. Seed.

390611 and 390612. CAPSICUM ANNUM L. Solanaceae. **Pimento.**

390611. W-C 1191. Private garden in Tingo Maria. Fruit small, round, pungent, erect on plant, yellow. Cultivated. Seed.

390612. W-C 1194. Private garden in Tingo Maria. Cultivated. Seed.

390613. CARICA sp. Caricaceae.

W-C 1200. Twenty-five km from Tingo Maria toward Huanuco. Shrub to 1.5 m with leaves resembling papaya. Fruit ovate to 7 cm, orange. Local name Col Espana. Cultivated. Seed.

390614. CEREUS sp. Cactaceae.

W-C 1267. Dry rocky hills, Km 225 north of Lima along Panamerican highway. Upright cylindrical spiny cactus. Red fruit to 4 cm diameter. Wild. Seed

390615 and 390616. CUCURBITA MAXIMA Duchesne Cucurbitaceae

Squash.

390615. W-C 1086. Public market, Chiclayo. Fruit 65 cm long, greenish white, smooth. Flesh 7 cm thick, orange, seed 3 cm long. Local name Zapayo. Cultivated. Seed.

390616. W-C 1247. Public market, Cuzco. Large, thick orange fleshed squash. Large seed. Cultivated. Seed.

390617. CYPHOMANDRA BETACEA (Cav.) Sendt. Solanaceae. **Trec-tomato.**

W-C 1201. Twenty-five km from Tingo Maria toward Huanuco. Small tree to 2 m. Fruit ovate, orange red. Cultivated. Seed.

390618. DATURA CHLORANTHA Hook. Solanaceae.

W-C 1331. One km from Sullana on road to Tumbes. Robust bush. Flowers semidouble, deep canary yellow, fragrant. Cultivated. Seed.

390619. DIPTERYX sp. Leguminosae.

W-C 1179. Botanic Garden, Universidad Nacional Agraria de la Selva, Tingo Maria. Tall tree, blue flowers, fruit single seeded with fleshy exocarp. Seed eaten after roasting. Local name Sacha-inti. Wild. Seed.

390620. DOLICHOS LABLAB L. Leguminosae.

Hyacinthbean.

W-C 1097. Twenty-seven km from Paramonga on road to Huaraz. Vigorous vine, flower white, seed buff with white hilum. Cultivated. Seed.

390621. EPIDENDRUM sp. Orchidaceae.

W-C 1215. Twenty-five km on road Tingo Maria to Huanuco. Growing on rocky road banks. Reed type, flowers small, pale pink with flat magenta lip. Wild. Plants.

390622. EUCHARIS AMAZONICA Linden Amaryllidaceae.

W-C 1166. Km 480 on road Lima to Tingo Maria. Bulbous plant with large ovate-oblong petioled leaves. Scape solid, up to 6 flowers. Flowers flat, white with greenish cup, 12 cm wide. Flowers larger and whiter than usual for this species. Wild. Bulbs.

390623. GOSSYPIUM sp. Malvaceae.

Cotton.

W-C 1172. Las Palmas (village near Tingo Maria). Dooryard cotton. Brown lint. Cultivated. Seed.

390624. GOSSYPIUM sp.

Cotton.

W-C 1173. Las Palmas (village near Tingo Maria). Dooryard cotton to 2 m. Lint white. Cultivated. Seed.

390580 to 390853—Continued

390625. *HELICONIA* sp. Musaceae.

W-C 1204. Near Experiment Station, Tulumayo. Perennial herb to 1.5 m tall. Inflorescence erect, 40 cm long. Floral bracts in one plane channeled but not boat shaped, lower bract 23 cm long, upper shorter, yellow at base, orange apically. Flowers greenish yellow. Wild. Seed.

390626. *HELIOTROPIUM* sp. Boraginaceae.

W-C 1154. Near village of Chosica on road Lima to La Oroya. Woody, lax shrub. Flowers pale violet, fragrant, Wild. Seed.

390627. *HIBISCUS* sp. Malvaceae.

W-C 1196. Experiment Station, Tulumayo. Herbaceous. Stem, petioles and pedicels prickly, flower 8 cm diameter, purple. Cultivated. Seed.

390628. *HIPPEASTRUM* sp. Amaryllidaceae.

W-C 1165. Km 480 on road Lima to Tingo Maria. Bulbous. Flowers 2 per scape, red with green throat. Cultivated. Bulbs.

390629. *HIPPEASTRUM* sp.

W-C 1212. Edge of cultivated field, 25 km from Tingo Maria on road to Huanuco. Bulbous. Cultivated. Seed.

390630. *HIPPEASTRUM* sp.

W-C 1213. Edge of cultivated field, 25 km from Tingo Maria on road to Huanuco. Bulbous, flowers not seen. Cultivated. Seed.

390631 to 390636. *HORDEUM VULGARE* L. Gramineae.

Barley.

390631. W-C 1083. Public market, Chiclayo. Cultivated. Seed.

390632. W-C 1144. Public market, Cuzco. Local name Cebada de Pisac. Cultivated. Seed.

390633. W-C 1145. Public market, Cuzco. Local name Cebada climac. Cultivated. Seed.

390634. W-C 1146. Public market, Cuzco. Cultivated. Seed.

390635. W-C 1229. Public market, Huanuco. Cultivated. Seed.

390636. W-C 1326. Public market, Piura. Said to come from Chiclayo. Cultivated. Seed.

390637. *HYMENOCALLIS* sp. Amaryllidaceae.

W-C 1266. Coastal sand dune, 45 km north of Lima. Bulbous plant with strap-like leaves, Wild. Bulbs.

390638. *IRIS* sp. Iridaceae.

W-C 1314. Twelve km north of Huancabamba, on steep, gravelly slope. Dwarf to 12 cm. Wild. Rhizomes.

390639. *LEPIDIUM MEYENII* Walp. Cruciferae.

W-C 1241. Seed purchased in first village along road between Junin and Cerro de Pasco. Local name Maca. Cultivated. Seed.

390640 to 390648. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**

390640. W-C 1084. Public market, Chiclayo. Fruit, flat, commercial type, to 8 cm diameter. Cultivated. Seed.

390641. W-C 1085. Public market, Chiclayo. Oblong to obovate fruit, to 4.5 cm long by 3.5 cm wide. Cultivated. Seed.

390642. W-C 1108. Estacion Experimental Agraria, La Molina. Originally from Huando Farm, Chancay Valley, Lima Department. Local name Huando. Cultivated. Seed.

390643. W-C 1174. Public market, Tingo Maria. Said to be from Huanuco. Large flattened globose fruits, red color. Local name Kilo. Cultivated. Seed.

390644. W-C 1202. Twenty-five km from Tingo Maria toward Huanuco. Fruit two-to several-celled, to 3 cm diameter, flat. Cultivated. Seed.

390645. W-C 1222. Km 471 on road Lima to Tingo Maria. Nine fruits per raceme, 3-or-4-celled, flattened, to 4 cm diameter, red. Cultivated. Seed.

390580 to 390853—Continued**390640 to 390648—Continued**

- 390646.** W-C 1284. Along Piura River near Catacaos. Elongate fruit, pubescent when green. Cultivated. Seed.
- 390647.** W-C 1315. Public market, Huancabamba. Medium sized, thick fleshed commercial red tomato with nipple at blossom end. Cultivated. Seed.
- 390648.** W-C 1416. Garden near Piura River close to Catacaos. Fruit small, flat, pink. Cultivated. Seed.

390649 and 390650. *LYCOPERSICON ESCULENTUM* var. *CERASIFORME*
(Dun.) A. Gray Cherry tomato.

- 390649.** W-C 1220. Km 478 on road Lima to Tingo Maria. Fruit round, 1.8 cm diameter, 2-celled, red. Local name Pacha Tomate. Cultivated. Seed.
- 390650.** W-C 1221. Km 476 on road Lima to Tingo Maria. Fruit slightly flattened, 2.3 cm diameter, red. Local name Pacha tomato. Cultivated. Seed.

390651 to 390663. *LYCOPERSICON HIRSUTUM* Humb. & Bonnl.

- 390651.** W-C 1248. Universidad Nacional Agraria, La Molina. Originally from Ancash, "Huaraz". Wild. Seed.
- 390652.** W-C 1249. Universidad Nacional Agraria, La Molina. Originally from La Libertad, "Otusco", No. 938. Wild. Seed.
- 390653.** W-C 1250. Universidad Nacional Agraria, La Molina. Originally from Lima, "Navan", No. 962. Wild. Seed.
- 390654.** W-C 1251. Universidad Nacional Agraria, La Molina. Originally from Lima, "Yauyos", No. 1083. Wild. Seed.
- 390655.** W-C 1252. Universidad Nacional Agraria, La Molina. Originally from Cerro de Pasco, "Carretera Huaral", No. 1148. Wild. Seed.
- 390656.** W-C 1253. Universidad Nacional Agraria, La Molina. Originally from Lima, "Carreteras Canta", No. 1150. Wild. Seed.
- 390657.** W-C 1254. Universidad Nacional Agraria, La Molina. Originally from Lima, "Matucana Km. 74". Wild. Seed.
- 390658.** W-C 1302. La Afiladera bridge on road to Canchaque Piura. Vigorous herb with bright yellow flowers, fruit and entire plant hirsute. Fruit green with dark markings. Wild. Seed.
- 390659.** W-C 1303. Ten km toward Canchaque from Huancabamba. Wild. Seed.
- 390660.** W-C 1305. Five km toward Canchaque from Huancabamba. Wild. Seed.
- 390661.** W-C 1306. Dry location along road to Sondor from Huancabamba. Wild. Seed.
- 390662.** W-C 1311. North of Huancabamba. Single plant selection with fruit to 2.5 cm diameter. Wild. Seed.
- 390663.** W-C 1312. North of Huancabamba. Fruit from several vigorous plants growing over rock wall. Wild. Seed.

390664 to 390687. *LYCOPERSICON PERUVIANUM* (L.) Mill.

- 390664.** W-C 1099. Dry river bed 10 km from Paramonga on road to Huaraz. Foliage reduced to rudimentary leaflets. Wild. Seed.
- 390665.** W-C 1106. Universidad Nacional Agraria, La Molina. Near Camana, above Arequipa. Elevation 1,500 m. Lax herb to 40 cm. Fruit large for the species, whitish with dark vertical band at maturity. Foliage ample and broad. Wild. Seed.
- 390666.** W-C 1147. Road Lima to La Oroya, just above village of Chosica. Semiprostrate vine. Flower bright yellow, fruit globose to 1 cm, green with dark band. Wild. Seed.

390580 to 390853—Continued**390664 to 390687—Continued**

390667. W-C 1148. Road Lima to La Oroya, just above village of Chosica. Semiprostrate vine. Flower bright yellow, fruit globose, over 1 cm diameter, green with dark band. Wild. Seed.
390668. W-C 1149. Km 66 along road Lima to La Oroya. Semi-prostrate herb. Flowers bright yellow, fruit to 1 cm with dark band. Wild. Seed.
390669. W-C 1150. Km 70 along road Lima to La Oroya (near Puente San Juan). Semiprostrate herb. Flowers bright yellow, fruit to 1 cm with dark band. Wild. Seed.
390670. W-C 1151. Road Lima to La Oroya, 1 km above Matucana (near Puente Llican). Semiprostrate herb. Flowers bright yellow, fruit to 1 cm with dark band. Wild. Seed.
390671. W-C 1152. Km 84 along road Lima to La Oroya. Semiprostrate herb. Flowers bright yellow, fruit to 1 cm with dark band. Wild. Seed.
390672. W-C 1153. Km 93 along road Lima to La Oroya. Semiprostrate herb. Flowers bright yellow, fruit to 1 cm with dark band. Wild. Seed.
390673. W-C 1160. Km 368 along road Lima to Huanuco. Prostrate herb from perennial stump, vines to 2 m long. Flowers small, greenish yellow, fruit green with dark band, less than 1 cm. Wild. Seed.
390674. W-C 1161. Km 371 along road Lima to Huanuco. Prostrate herb from perennial stump, vines to 2 m long. Flower small, greenish yellow, fruit green with dark band, less than 1 cm. Very strong plant, prolific fruiting. Wild. Seed.
390675. W-C 1162. Km 377 along road Lima to Huanuco. Plant with stems 3 m long. Wild. Seed.
390676. W-C 1236. Km 364 along road Lima to Huanuco. Flowers expanded at noon, closing by late afternoon. Wild. Seed.
390677. W-C 1238. Km 362 along road Lima to Huanuco. Wild. Seed.
390678. W-C 1239. Km 355 along road Lima to Huanuco. Wild. Seed.
390679. W-C 1240. Km 364 along new road Lima to Huanuco. Wild. Seed.
390680. W-C 1255. Universidad Nacional Agraria, La Molina. Originally from Lima, "Huinco", No. 854. Wild. Seed.
390681. W-C 1256. Universidad Nacional Agraria, La Molina. Originally from Lima, "Lomas de Camana", No. 967. Wild. Seed.
390682. W-C 1257. Universidad Nacional Agraria, La Molina. Originally from Lima, "Los Anitos, Barranca", No. 968. Wild. Seed.
390683. W-C 1258. Universidad Nacional Agraria, La Molina. Originally from La Libertad, "Pacasmayo-Cayamarca" 15 km before Lechilete, No. 981. Wild. Seed.
390684. W-C 1259. Universidad Nacional Agraria, La Molina. Originally from Lima, "Rio Churin". Wild. Seed.
390685. W-C 1260. Universidad Nacional Agraria, La Molina. Originally from Cerro de Pasco, "Huaral". Wild. Seed.
390686. W-C 1261. Universidad Nacional Agraria, La Molina. Originally from Lima, "Cinequilla". Wild. Seed.
390687. W-C 1316. Ten km toward Canchaque from Huancabamba. Fruit to 1.3 cm diameter. Wild.

390688 to 390752. LYCOPERSICON PIMPINELLIFOLIUM (Jusl.) Mill.**Currant tomato.**

390688. W-C 1095. From Paramonga 45 km on road to Huaraz. Herb to 1 m. Fruit less than 1 cm, round, Wild. Seed.
390689. W-C 1096. From Paramonga 28 km on road to Huaraz. Vigorous herb to 1.5 m. Up to 24 fruits per raceme, round, less than 1 cm, red. Wild. Seed.

390580 to 390853—Continued**390688 to 390752—Continued**

- 390690.** W-C 1098. Km 108 on road to Huaraz from Paramonga. Herb to 1 m. Fruit round, red, averages about 1 cm. Wild. Seed.
- 390691.** W-C 1100. Km 13 on road to Huaraz from Paramonga, in corn field. Semiprostrate herb to 1 m. Fruits average 1 cm diameter, red. Local name Tomatillo. Wild. Seed.
- 390692.** W-C 1269. One km from Casma on road to Sechin ruins. Fruit small, close spaced in simple raceme. Wild. Seed.
- 390693.** W-C 1270. Km 602 north of Lima on Pan American Highway (between Trujillo and Chiclayo). Fifteen fruits per raceme, somewhat variable in size. Wild. Seed.
- 390694.** W-C 1271. Km 621 on Pan American Highway, between Trujillo and Chiclayo. Collection from several plants, some with large fruits. Wild. Seed.
- 390695.** W-C 1272. Km 663 on Pan American Highway, between Trujillo and Chiclayo. Salt encrusted soil. Plant and fruits pubescent, inflorescence recurved. Some fruits with dark green stripe until ripe, ripening to orange red or dark red, pulp red. Wild. Seed.
- 390696.** W-C 1273. Km 663 on Pan American Highway, between Trujillo and Chiclayo. Single plant, somewhat dwarfed, pubescent. Fruit pubescent, dark green stripes marking septa until fully ripe, red. Wild. Seed.
- 390697.** W-C 1274. Km 784 on Pan American Highway, between Chiclayo and Piura. Fruits larger than average. Wild. Seed.
- 390698.** W-C 1275. Km 681 on Pan American Highway (north edge of Guadeloupe). Fruit in long racemes, dark red. Wild. Seed.
- 390699.** W-C 1276. Km 702 on Pan American Highway. Some racemes elongated with as many as 25 fruits, red. Wild. Seed.
- 390700.** W-C 1277. Km 772 on Pan American Highway, between Chiclayo and Piura. Short racemes, fruit perfectly round, red. Wild. Seed.
- 390701.** W-C 1278. Km 833 on Pan American Highway, between Chiclayo and Piura. Somewhat elongated racemes. Fruit pubescent, marked with green stripe along septa until ripe, red. Fruit hard, dry, difficult to separate seed. Wild. Seed.
- 390702.** W-C 1279. Nacara, Chulucanas, Piura River Valley. Wild. Seed.
- 390703.** W-C 1280. Nacara, Chulucanas, Piura River Valley. Red fruit, larger than average. Wild. Seed.
- 390704.** W-C 1281. Between Chulucanas and Tambo Grande. Edge of irrigated cotton field. Wild. Seed.
- 390705.** W-C 1282. Between Chulucanas and Tambo Grande. Piura River Valley, irrigated cotton field. Wild. Seed.
- 390706.** W-C 1285. Cotton farm near La Arena, Piura River Valley. Wild. Seed.
- 390707.** W-C 1286. Near Sechura, in cotton field, Piura River Valley. Fruit larger than average for this species. Wild. Seed.
- 390708.** W-C 1287. Cotton farm near Sechura. Vigorous plant, large bright red fruit, over 1.5 cm diameter. Wild. Seed.
- 390709.** W-C 1288. Cotton farm near Sechura, Piura River Valley. Fruits larger than average for this species. Wild. Seed.
- 390710.** W-C 1289. Cotton farm near Sechura. Piura River Valley. Wild. Seed.
- 390711.** W-C 1290. Near Chira River below city of Sullana. Wild. Seed.
- 390712.** W-C 1291. Near Chira River at La Huaca. Wild. Seed.

390580 to 390853—Continued**390688 to 390752—Continued**

390713. W-C 1292. Near Chira River at La Huaca. Local name Tomate de Zona. Wild. Seed.
390714. W-C 1293. Near Chira River at La Huaca. Wild. Seed.
390715. W-C 1294. Near Chira River at Pueblo Nuevo. Small fruited form. Wild. Seed.
390716. W-C 1295. Near Chira River at Pueblo Nuevo. Wild. Seed.
390717. W-C 1296. Near Chira River at Pueblo Nuevo. Wild. Seed.
390718. W-C 1298. Hacienda Buenos Aires, Piura River Valley (between Piura and Canchaque). Wild. Seed.
390719. W-C 1299. Above Buenos Aires, along road to Canchaque, Piura River Valley. Fruit pink red, semitranslucent. Wild. Seed.
390720. W-C 1300. Above village of Buenos Aires, along road to Canchaque. Wild. Seed.
390721. W-C 1301. One km above village of Malacasi, Piura River Valley, on road to Canchaque. Wild. Seed.
390722. W-C 1333. Km 1077 along Sullana to Tumbes. In cotton field. Single plant selection. Wild. Seed.
390723. W-C 1334. Km 1077 along road Sullana to Tumbes. In cotton field. Single plant selection. Wild. Seed.
390724. W-C 1335. Km 1077 along road Sullana to Tumbes. In cotton field. Single plant selection. Wild. Seed.
390725. W-C 1336. Km 1077 along road Sullana to Tumbes. In cotton field. Single plant selection. Wild. Seed.
390726. W-C 1337. Km 1077 along road Sullana to Tumbes. In cotton field. Single plant selection. Wild. Seed.
390727. W-C 1338. Km 1077 along road Sullana to Tumbes. In cotton field. Seed from several plants. Wild. Seed.
390728. W-C 1339. Km 1309 near Tumbes, on canal bank. Single plant selection. Wild. Seed.
390729. W-C 1340. Km 1309 near Tumbes, on canal bank. Single plant selection. Wild. Seed.
390730. W-C 1341. Km 1309 near Tumbes, on canal bank. Single plant selection. Wild. Seed.
390731. W-C 1342. Km 1309 near Tumbes, on canal bank. Single plant selection. Wild. Seed.
390732. W-C 1343. Km 1309 near Tumbes, on canal bank. Single plant selection. Wild. Seed.
390733. W-C 1344. Km 1309 near Tumbes, on canal bank. Single plant selection. Wild. Seed.
390734. W-C 1345. Km 1309 near Tumbes, on canal bank. Single plant selection. Wild. Seed.
390735. W-C 1346. Km 1309 near Tumbes, on canal bank. Single plant selection. Wild. Seed.
390736. W-C 1347. Km 1309. near Tumbes, on canal bank. Single plant selection. Wild. Seed.
390737. W-C 1348. Km 1309 near Tumbes, on canal bank. Single plant selection. Wild. Seed.
390738. W-C 1349. Km 1309 near Tumbes, on canal bank. Single plant selection. Wild. Seed.
390739. W-C 1350. Km 1309 near Tumbes, on canal bank. Single plant selection. Wild. Seed.

390580 to 390853—Continued**390688 to 390752—Continued**

- 390740.** W-C 1351. Km 1309 near Tumbes, on canal bank. Single plant selection. Wild. Seed.
- 390741.** W-C 1352. Km 1309 near Tumbes, on canal bank. Single plant selection. Wild. Seed.
- 390742.** W-C 1353. Km 1309 near Tumbes, on canal bank. Single plant selection. Wild. Seed.
- 390743.** W-C 1354. Km 1309 near Tumbes, on canal bank. Single plant selection. Wild. Seed.
- 390744.** W-C 1355. Km 1309 near Tumbes, on canal bank. Single plant selection. Wild. Seed.
- 390745.** W-C 1356. Km 1309 near Tumbes, on canal bank. Single plant selection. Wild. Seed.
- 390746.** W-C 1357. Km 1309 near Tumbes, on canal bank. Single plant selection. Wild. Seed.
- 390747.** W-C 1358. Km 1309 near Tumbes, on canal bank. Single plant selection. Wild. Seed.
- 390748.** W-C 1359. Two km from Tumbes on road to Zarumitla. Single plant selection. Wild. Seed.
- 390749.** W-C 1360. Two km from Tumbes on road to Zarumitla. Wild. Seed.
- 390750.** W-C 1415. Lower Rio Piura, between city of Piura and the coast. Wild. Seed.
- 390751.** W-C 1417. In cotton field near Piura. Wild. Seed.
- 390752.** W-C 1418. In cotton field near Piura. Wild. Seed.

390753. *MELOTHRIA* sp. Cucurbitaceae.

W-C 1167. Km 491 on road Lima to Tingo Maria. Herbaceous vine, very slender, leaf 3-4 cm. Inflorescence compound, flower bright yellow to 7 mm. Fruit dark green, oblong, 1.5 cm. Wild. Seed.

390754 and 390755. *MUTISIA ACUMINATA* Ruiz & Pav. Compositae.

390754. W-C 1155. Km 84 on road Lima to La Oroya. Lax shrub with large red flowers borne singly. Wild. Seed.

390755. W-C 1157. Six km from Tarma on road to La Oroya. Shrub with compound leaves and large orange flowers borne singly. Local name Chincho. Wild. Seed.

390756. *ODONTOGLOSSUM* sp. Orchidaceae.

W-C 1317. Twenty-five km along road from Huancabamba toward Canchaque. Saxicolous herb. Pseudobulbs ovate, flattened to 6 cm long. Spike 45 cm with many orange-yellow flowers. Plant.

390757. *ODONTOGLOSSUM* sp.

W-C 1318. Fifty km from Huancabamba toward Canchaque. Pseudobulbs ovate, flattened to 6 cm long. Flowers not seen. Plant.

390758. *ONOSERIS ALBICANS* (Don) Ferreyra Compositae.

W-C 1310. Dry hillside south of Sondor. Herbaceous plant to 45 cm tall, grey stems and foliage. Flowers 5 cm across with a single row of lavender rays, center yellow. Very ornamental. Wild. Seed.

390759. *OPUNTIA* sp. Cactaceae.

W-C 1235. Km 366 on road Lima to Huanuco. Plant completely pendent from a vertical cliff, no large spines, no flowers. Wild. Cuttings.

390760 and 390761. *PARAMONGAIA WEBERBAUERI* Velarde
Amaryllidaceae.

390760. W-C 1093. Instituto Nacional Agropecuaria, Yautan, Casma. Bulbous plant with deciduous leaves to 3 cm wide. Flowers golden yellow, 15 cm wide. Wild. Bulbs.

390761. W-C 1263. Hills near Cieneguilla. Bulb with long neck and strap-shaped leaves. Flowers said to be yellow. Wild. Bulbs.

390580 to 390853—Continued**390762. PASSIFLORA COCCINEA** Aubl. Passifloraceae.**Scarlet passionflower.**

W-C 1313. Ten km north of Huancabamba. Flowers brilliant red, fruit to 5 cm by 3 cm. Wild. Seed.

390763. PASSIFLORA FOETIDA L.**Passionflower.**

W-C 1283. Near Chulucanas. Viscid vine, leaves entire. Fruit enclosed by laciniate sepals. Fruit to 2 cm, yellow, edible but pulp scanty. Wild. Seed.

390764. PASSIFLORA QUADRANGULARIS L.**Giant granadilla.**

W-C 1091. Instituto Nacional Agropecuario, Yautan, Casma. High climbing vine with fleshy fruit. Local name Tumbo costeno. Cultivated. Seed.

390765. PASSIFLORA sp.

W-C 1223. Public market, Huanuco. Said to be from Misca. Fruits long stemmed, round, orange, 7 cm diameter. Edible. Local name Granadilla. Cultivated. Seed.

390766. PENNISETUM BAMBUISIFORME (Fourn.) Hemsl. Gramineae.

W-C 1164. Km 455 on road Lima to Tingo Maria. Tall grass to 2 m. Canes purple, to 3 cm diameter, branched on upper half. Inflorescence a spike 15 cm long. Wild. Seed.

390767. PEPEROMIA sp. Piperaceae.

W-C 1244. Thirty km from Tingo Maria on road to Huanuco. Terrestrial herb with cordate leaves barred green and silver. Wild. Plant.

390768 and 390769. PHASEOLUS LUNATUS L. Leguminosae. **Lima bean.****390768.** W-C 1109. Alfapata, 20 km from Abancay, Apurimac Department. Seed small, dark. Wild. Seed.**390769.** W-C 1110. Bofedal, 5 km from Curahuassi toward Abancay, Apurimac Department. Elevation 2,681 m. Small, dark colored seed. Wild. Seed.**390770 to 390775. PHASEOLUS VULGARIS** L.**Common bean.****390770.** W-C 1111. Pachacha, Apurimac Department. Elevation 2,300 m. Seed small, flat, grey. Wild or naturalized. Seed.**390771.** W-C 1224. Public market, Huanuco. Rounded white, medium sized bean. Local name Numia. Cultivated. Seed.**390772.** W-C 1225. Public market, Huanuco. Large, rounded, yellow bean. Local name Canaria. Cultivated. Seed.**390773.** W-C 1226. Public market, Huanuco. Kidney bean mixture, multi-colored. Local name Poroto. Cultivated. Seed.**390774.** W-C 1227. Public market, Huanuco. Large, rounded, white bean. Local name Caballero. Cultivated. Seed.**390775.** W-C 1228. Public market, Huanuco. Medium sized, rounded, white and purple mottled bean. Used for roasting. Local name Numia. Cultivated. Seed.**390776. PHILODENDRON** sp. Araceae.

W-C 1245. Thirty km from Tingo Maria on road to Huanuco. Long oblanceolate leaves. Wild. Plant.

390777. PHRAGMITES AUSTRALIS (Cav.) Trin. ex Steud. Gramineae.

W-C 1094. From Paramonga, 10 km on road to Huaraz. Clump thick, rhizomatous, canes to 4 m, branching apically. Inflorescence a lax panicle to 38 cm long. Wild. Seed.

390778. PHRAGMOPEDILUM sp. Orchidaceae.

W-C 1214. Steep road bank, 25 km from Tingo Maria on road to Huanuco. Terrestrial, clump forming, leaves glossy green to 90 cm long. Inflorescence 80 cm tall, producing a succession of flowers. Flower green, slipper shaped, 12 cm. Wild. Plants.

390779. PIREA sp. Urticaceae.

W-C 1233. Km 370 on road Lima to Huanuco. Very dry road bank. Succulent herb to 15 cm, branched. Leaves rounded, fleshy 2 mm long. Wild. Plants.

390580 to 390853—Continued**390780 to 390808.** PISUM SATIVUM L. Leguminosae.

Pea.

390780. W-C 1112. 'Apurimac 12'. Estacion Experimental Agraria, La Molina, Lima. Cultivated. Seed.
390781. W-C 1113. 'Ayacucho 24'. Estacion Experimental Agraria, La Molina, Lima. Cultivated. Seed.
390782. W-C 1114. 'Ayacucho 25'. Estacion Experimental Agraria, La Molina, Lima. Cultivated. Seed.
390783. W-C 1115. 'Ayacucho 26'. Estacion Experimental Agraria, La Molina, Lima. Cultivated. Seed.
390784. W-C 1116. 'Ayacucho 27'. Estacion Experimental Agraria, La Molina, Lima. Cultivated. Seed.
390785. W-C 1117. 'Ayacucho 81'. Estacion Experimental Agraria, La Molina, Lima. Cultivated. Seed.
390786. W-C 1118. 'Ayacucho 82'. Estacion Experimental Agraria, La Molina, Lima. Cultivated. Seed.
390787. W-C 1119. 'Cajamarca 113'. Estacion Experimental Agraria, La Molina, Lima. Cultivated. Seed.
390788. W-C 1120. 'Cuzco 12'. Estacion Experimental Agraria, La Molina, Lima. Cultivated. Seed.
390789. W-C 1121. 'Cuzco 13'. Estacion Experimental Agraria, La Molina, Lima. Cultivated. Seed.
390790. W-C 1122. 'Cuzco 18'. Estacion Experimental Agraria, La Molina, Lima. Cultivated. Seed.
390791. W-C 1123. 'Huanuco 174'. Estacion Experimental Agraria, La Molina, Lima. Cultivated. Seed.
390792. W-C 1124. 'Huanuco 178'. Estacion Experimental Agraria, La Molina, Lima. Cultivated. Seed.
390793. W-C 1125. 'Huanuco 275'. Estacion Experimental Agraria, La Molina, Lima. Cultivated. Seed.
390794. W-C 1126. 'Junin 1'. Estacion Experimental Agraria, La Molina, Lima. Cultivated. Seed.
390795. W-C 1127. 'Junin 7'. Estacion Experimental Agraria, La Molina, Lima. Cultivated. Seed.
390796. W-C 1128. 'Junin 102'. Estacion Experimental Agraria, La Molina, Lima. Cultivated. Seed.
390797. W-C 1129. 'Junin 103'. Estacion Experimental Agraria, La Molina, Lima. Cultivated. Seed.
390798. W-C 1130. 'Junin 104'. Estacion Experimental Agraria, La Molina, Lima. Cultivated. Seed.
390799. W-C 1131. 'Junin 106'. Estacion Experimental Agraria, La Molina, Lima. Cultivated. Seed.
390800. W-C 1132. 'Junin 107'. Estacion Experimental Agraria, La Molina, Lima. Cultivated. Seed.
390801. W-C 1133. 'Junin 109'. Estacion Experimental Agraria, La Molina, Lima. Cultivated. Seed.
390802. W-C 1134. 'Junin 134'. Estacion Experimental Agraria, La Molina, Lima. Cultivated. Seed.
390803. W-C 1135. 'Junin 135'. Estacion Experimental Agraria, La Molina, Lima. Cultivated. Seed.
390804. W-C 1136. 'Junin 133'. Estacion Experimental Agraria, La Molina, Lima. Cultivated. Seed.
390805. W-C 1137. 'Junin 137'. Estacion Experimental Agraria, La Molina, Lima. Cultivated. Seed.

390580 to 390853—Continued**390780 to 390808—Continued**

390806. W-C 1138. 'Libertad A1'. Estacion Experimental Agraria, La Molina, Lima. Cultivated. Seed.

390807. W-C 1139. 'Libertad 2'. Estacion Experimental Agraria, La Molina, Lima. Cultivated. Seed.

390808. W-C 1140. 'Libertad 211'. Estacion Experimental Agraria, La Molina, Lima. Cultivated. Seed.

390809. PORTULACA sp. Portulacaceae.

W-C 1199. Botanic Garden, Universidad Nacional Agraria de la Selva, Tingo Maria. Low succulent herb, flowers white. Local name Flor de las Once. Cultivated. cuttings.

390810. POUROUMA sp. Moraceae.

W-C 1243. Experiment Station, Tulamayo. Tree to 11' m, large heart shaped leaves. Fruit in clusters like grapes, ovate, pointed, to 5 cm long. Local name Uvilla. Cultivated. Seed.

390811. SAMBUCUS PERUVIANA H.B.K. Caprifoliaceae.

W-C 1107. Universidad Nacional de Agraria, La Molina. Small tree to 4 m. Fruit 6 mm diameter, round, dark blue. Local name Sauco. Cultivated. Seed.

390812 to 390816. SOLANUM HYPORHODIUM A. Br. & Bouche Solanaceae.**Cocona.**

390812. W-C 1089. Public market, Chiclayo. Heart shaped, obtuse tipped, orange fruit. Local name Cocona. Cultivated. Seed.

390813. W-C 1175. Public market, Tingo Maria. Dark orange, fleshy, heart shaped fruit to 8 cm diameter. Local name Cocona. Cultivated. Seed.

390814. W-C 1192. Private garden, Tingo Maria. Small fruited form, fruit 5 cm by 4 cm. Local name Cocona. Cultivated. Seed.

390815. W-C 1197. Experiment Station, Tulamayo. Large herb. Fruits ovate, 8 cm by 6.5 cm. Local name Cocona. Cultivated. Seed.

390816. W-C 1198. Experiment Station, Tulamayo. Small fruit to 4.5 cm, round. Local name Cocona. Cultivated. Seed.

390817. SOLANUM MURICATUM Ait.**Pepino.**

W-C 1087. Public market, Chiclayo. Heart shaped fruit, pointed, yellowish white with vertical stripes of purple, 9.5 cm long by 10 cm wide. Local name Pepino. Cultivated. Seed.

390818. SOLANUM SPINOSISSIMUM Lodd. ex G. Don

W-C 1203. Twenty-five km from Tingo Maria on road to Huanuco. Herb to 1 m, very spiny. Fruit globose, to 3 cm diameter. Wild. Seed.

390819. SOLANUM sp.

W-C 1218. Twenty km from Tingo Maria on road to Huanuco, growing over rocks along river bank. Prostrate vine from perennial base. Leaf compound with small false-stipules, stem angled, inflorescence compound to 8 flowered, flower white. Fruit ovate to 2.6 cm long by 2.2 cm wide, greenish purple. Wild. Seed.

390820. SOLANUM sp.

W-C 1304. Ten km from Huancabamba toward Canchaque. Vigorous herb resembling *Lycopersicon hirsutum* but more vigorous. Flowers yellow in dicotomously branched raceme. Fruit ovate, green, to 4.5 cm by 5 cm. Local name Hambulluco. Wild. Seed.

390821. STENOMESSION INCARNATUM Baker Amaryllidaceae.

W-C 1320. Near Canchaque, along road from Huancabamba. Bulbous, no foliage with flowers. Scape 35 cm tall, 7 flowered. Flowers flesh pink, tube 5.5 cm long, free segments ovate, acute, green tipped on reverse. Wild. Bulbs.

390822. STENOMESSION sp.

W-C 1262. Hills near Cieneguilla. Bulb with long-oblong acute leaves. Wild. Bulbs.

390580 to 390853—Continued**390823.** STENOMESSION sp.

W-C 1268. Dry, rocky hills at Km 225 along Pan American Highway north of Lima. Bulbous plant with oblong leaves narrowed at both ends. Wild. Bulbs.

390824. STENOMESSION sp.

W-C 1319. Between Huancabamba and Canchaque, at crossover ridge from one valley to the other. Elevation about 3,000 m. Bulbous plant with scape to 60 cm tall. Leaves long-oblong, narrowed at both ends, 40 cm long. Scape solid, 8 flowered, flowers nodding, bright orange, 3.5 cm long. Wild. Bulbs.

390825 and 390826. TILLANDSIA CACTICOLA L. B. Smith Bromeliaceae.

390825. W-C 1308. Along road south of Sondor. Epiphytic herb, grey foliage, peduncle and bracts orchid. Flowers pale yellow with blue tip to petals. Local name Chupalla. Wild. Plants.

390826. W-C 1309. Along road south of Sondor. Epiphytic herb, foliage grey, peduncle and bracts orchid. Flowers pale yellow with blue tip to petals. Local name Chupalla. Wild. Plants.

390827. TILLANDSIA sp.

W-C 1101. Surface of desert near Paramonga. Terrestrial herbs with no apparent roots, somewhat branched. Leaves close set in 4 ranks, grey green, 5 cm. Inflorescence terminal to 8 cm, flower small, violet, very fragrant at night. Wild. Plants.

390828. TROPAEOLUM sp. Tropaeolaceae.

W-C 1156. Four km from Tarma on road to La Oroya. Herbaceous vine, flower small, red. Wild. Seed.

390829. TROPAEOLUM sp.

W-C 1307. South of Sondor. Herbaceous, pubescent vine. Flowers small, orange red. Wild. Seed.

390830. ULLUCUS TUBEROSUS Caldas Basellaceae.

W-C 1176. Public market, Tingo Maria. Brought from high elevation. Yellow tubers 3-8 cm long. Local name Ulluco. Cultivated. Tubers.

390831 and 390832. VIGNA UNGUICULATA (L.) Walp. subsp. UNGUICULATA Leguminosae. Cowpea.

390831. W-C 1181. Universidad Nacional Agraria de la Selva, Tingo Maria. Seed light brown. Local name Chiclayo Pardo. Cultivated. Seed.

390832. W-C 1193. Private garden, Tingo Maria. Speckled seed. Said to be 'Whippoorwill' variety. Cultivated. Seed.

390833 to 390842. ZEA MAYS L. Gramineae. Corn.

390833. W-C 1082. Public market, Chiclayo. Ears small, compact. Seed small, glumes and cob deep purple. Flour from the grain used to color drinks purple. Local name Maiz morado. Cultivated. Seed.

390834. W-C 1141. Public market, Cuzco. Very large, white grains. Cultivated.

390835. W-C 1142. Public market, Cuzco. Large, yellow grains. Cultivated.

390836. W-C 1143. Public market, Cuzco. Large, red grains, used for roasting. Called "Cancha" after roasting. Cultivated. Seed.

390837. W-C 1183. Universidad Nacional Agraria de la Selva, Tingo Maria. Reselected for local conditions. Opaque-2 derivative. Cultivated. Seed.

390838. W-C 1184. Universidad Nacional Agraria de la Selva, Tingo Maria. Yellow, flinty kernels. Local name Maiz Daro. Cultivated. Seed.

390839. W-C 1185. Universidad Nacional Agraria de la Selva, Tingo Maria. White corn. Local name Tuxpueno Braquitico. Cultivated. Seed.

390840. W-C 1186. Universidad Nacional Agraria de la Selva, Tingo Maria. Short brownish kernels. Local name Chunco. Cultivated. Seed.

390841. W-C 1264. Universidad Nacional Agraria, La Molina, Lima. Said to be sweet corn. Local name Maiz Chancayano. Cultivated. Seed.

390580 to 390853—Continued**390833 to 390842—Continued**

390842. W-C 1265. Universidad Nacional Agraria, La Molina. White corn. Local name Pardo. Cultivated. Seed.

390843. Undetermined Amaryllidaceae.

W-C 1092. Instituto Nacional Agropecuario, Yautan. Bulbous perennial, leaves strap shaped to 3 cm wide. Said to bear rose pink flowers. Originally from high elevation. Cultivated. Bulbs.

390844. Undetermined

W-C 1332. Dike in rice field at south edge of Tumbes. Bulbous with strap shaped leaves in one rank, Wild. Bulbs.

390845. Undetermined

W-C 1419. Cruz Punta, Yautan, Ancash. Dormant bulbs. Wild. Bulbs.

390846. Undetermined

W-C 1330. Along sierra, 35 km above Huancabamba. Basal leaves chartaceous, deeply lobed. Scape with scale leaves, one flowered. Flower 7 cm diameter, orange yellow. Wild. Seed.

390847. Undetermined Labiatae.

W-C 1242. Hill above Tarma, about 3,500 m elevation. Low growing, bushy plant from perennial base. Prodigious producer of flowers and fruits. Wild. Seed.

390848. Undetermined Melastomataceae.

W-C 1190. Twenty km on road from Tingo Maria to Pucallpa. Tree to 5 m. Pale yellow fruits to 4 cm diameter. Seed very small, pulp aromatic. Edible fruit. Local name Sacha guayaba. Wild. Seed.

390849. Undetermined Portulacaceae.

W-C 1234. Km 370 on road Lima to Huanuco. Succulent plant to 38 cm tall, branched. Leaves oblong to obovate, to 1.75 cm long by 0.5 cm wide, greyish green. Wild. Plants.

390850. Undetermined

W-C 1159. Km 371 on road Lima to Huanuco. Perennial herb. Flower false, pealike, orange red. Wild. Seed.

390851. Undetermined

W-C 1231. Km 370 on road Lima to Huanuco, on dry hillside. Succulent plant to 20 cm tall. Leaves fleshy, to 3 cm long, folded inward. Wild. Plants.

390852. Undetermined

W-C 1232. Km 370 on road Lima to Huanuco. Dry hillside. Succulent plant to 15 cm tall, densely foliaged. Leaves ovate, flat, to 1 cm long, red below, green above. Wild. Plants.

390853. Undetermined

W-C 1237. Km 362 on road Lima to Huanuco. Woody subshrub, leaves alternate to 4 cm. Flowers 5 petaled, bright orange, silky, to 5 cm across. Wild. Seed.

390854. URENA LOBATA L. Malvaceae.

From Brazil. Seed presented by E. B. Germeck, Economic Botany Section, Instituto Agronomico, Sao Paulo. Received October 8, 1974.

Locally common.

390855. TRITICUM AESTIVUM L. Gramineae. Common wheat.

From Sudan. Seed presented by S. El Bashir, Department of Crop Protection, University of Khartoum, Khartoum. Received October 10, 1974.

'Lerma Rojo'. Carries resistance to green bug.

390856. TRIFOLIUM SEMIPILOSUM Fresen. Leguminosae.

From Australia. Seed presented by Pasture Research Station, Division of Tropical Pasture, Commonwealth Scientific and Industrial Research Organization, Samford, Queensland. Received October 10, 1974.

'Safari'. Lot 32/72.

390857. ERENURUS ALTAICUS (Pall.) Stev. Liliaceae.**Desert candle.**

From Afghanistan. Seed collected by Michael Aylward, United States Agency for International Development, Kabul. Received September 20, 1974.

AFG-1. Near King's Farm. Elevation 1,980 m. Yellow flowers.

390858 to 390875. SACCHARUM OFFICINARUM L. Gramineae.**Sugarcane.**

From Australia. Cuttings presented by Cane Sugar Refiner Limited, Sydney. Received October 16, 1974.

390858. MQ 63-173R.	390867. MQ 68-15222.
390859. MQ 63-367R.	390868. MQ 68-22817.
390860. MQ 63-425R.	390869. MQ 68-32424.
390861. MQ 63-604R.	390870. MQ 68-67015.
390862. MQ 63-611R.	390871. MQ 68-67029.
390863. MQ 63-651R.	390872. MQ 68-79510.
390864. MQ 63-713R.	390873. MQ 68-79514.
390865. MQ 63-776R.	390874. MQ 68-79521.
390866. MQ 68-7513.	390875. MQ 68-79527.

390876 to 390880. PISUM SATIVUM L. Leguminosae. Pea.

From Union of Soviet Socialist Republics. Seed presented by N. I. Vavilov Institute of Plant Industry, Leningrad. Received September 23, 1974.

390876. VIR 4425. Local. Yugoslavia. Winter hardy.
390877. VIR 5010. Peluska ozima klatovska. Czechoslovakia. Winter hardy.
390878. VIR 5080. DDR. Winter.
390879. VIR 5141. Zimen grah. Bulgaria. Winter hardy.
390880. VIR 5519. Uzbekskij 71. Uzbekistan. Winter hardy.

390881 to 390902. DAUCUS CAROTA L. Umbelliferae. Carrot.

From Israel. Seed of wild plants presented by R. Yokobson, Division of Vegetable Crops, The Volcani Center, Agricultural Research Organization, Bet Dagan. Received September 11, 1974.

390881. Bat Shlomo. No. 1.	390892. Binyomina. No. 2.
390882. Bat Shlomo. No. 2.	390893. Binyomina. No. 3.
390883. Bat Shlomo. No. 3.	390894. Gedera. No. 1.
390884. Bet Elazari. No. 1.	390895. Gedera. No. 2.
390885. Bet Elazari. No. 2.	390896. Gedera. No. 3.
390886. Bet Elazari. No. 3.	390897. Gedera. No. 4.
390887. Bet Elazari. No. 4.	390898. Natanya. No. 1.
390888. Bet Elazari. No. 5.	390899. Natanya. No. 2.
390889. Bet Elazari. No. 6.	390900. Natanya. No. 3.
390890. Bet Elazari. No. 7.	390901. Natanya. No. 4.
390891. Binyomina. No. 1.	390902. Natanya. No. 5.

390903 and 390904. SACCHARUM OFFICINARUM L.**Gramineae.****Sugarcane.**

From Dominican Republic. Cuttings presented by Gulf and Western Americas Corporation, Division Central Romana, La Romana, Santo Domingo. Received October 24, 1974.

390903. 'CB 44105'.
390904. 'UCW 54-65'.

390905 to 390931.

From People's Republic of China. Seed presented by Chinese Academy of Agricultural and Forestry Sciences to the United States Plant Sciences Delegation, Committee on Scholarly Communication with the People's Republic of China (NAS). Received October 10, 1974.

- 390905 to 390924.** TRITICUM AESTIVUM L. Gramineae. Common wheat.
- 390905.** 'Ai-feng #3'. Northwest College of Agriculture, Sian, Shensi Province. Dwarf prolific type.
- 390906.** 'Ai-kan-tzao'. Kiangsu Province Agricultural Sciences Research Institute, Nanking. Dwarf stalk, early type. Belongs to mutations of *ferrugineum*. Semiwinter habit. Plant height to 95 cm. Resists lodging. Can be planted closely spaced. Comparative resistance to fertilizer. 1,000 grains average 30 grams.
- 390907.** 'Chin-kuang'. Northwest College of Agriculture, Sian, Shensi Province.
- 390908.** 'Ching-hui # 30'. Northwest College of Agriculture, Sian, Shensi Province.
- 390909.** 'Chung-shan # 6'. Kiangsu Province Agricultural Sciences Research Institute, Nanking. Belongs to *ferrugineum* group. Early maturing spring variety but quite resistant to cold. Plant height 90 to 100 cm, heads spindle shaped. 1,000 grains average 32 grams.
- 390910.** 'Feng-ch'an # 1'. Kirin Branch, Academy of Agricultural and Forestry Sciences. Seedlings deep green, erect. Plant height to 90 cm, medium tillering, vigorous growth, elastic stems. Heads with long awns, white husk, hairless, red grains. 1,000 grains average 31 grams. Spring type, growing period 88 days, strong resistance to moisture in late growing period. Resistant to stem rust at high temperatures, susceptible to leaf rust, lightly susceptible to root rot and *Gibberella*.
- 390911.** 'Feng-ch'an # 2'. Kirin Branch, Academy of Agricultural and Forestry Sciences. Seedlings deep green, erect. Plant height to about 100 cm, medium strength stems. Heads black with long awns, white husk, hairless, red grains. 1,000 grains average 33 grams. Spring type, growing period 90 days. Resistant to drought in seedling stage. Low resistance to stem rust at high temperatures, susceptible to leaf rust and root rot at medium temperatures. Resistant to loose smut.
- 390912.** 'Feng-ch'an # 3'. Northwest College of Agriculture, Sian, Shensi Province. Prolific type.
- 390913.** 'Nung-ta # 174'. Association of Agriculture and Forestry, Peking. Peking Province.
- 390914.** 'Peking # 11'. Association of Agriculture and Forestry, Peking. Peking Province.
- 390915.** 'Peking # 15'. Association of Agriculture and Forestry, Peking. Peking Province.
- 390916.** 'Shansi # 68'. Northwest College of Agriculture, Sian, Shensi Province.
- 390917.** 'Shen-nung 701'. Northwest College of Agriculture, Sian, Shensi Province.
- 390918.** 'Shen-nung 6521'. Northwest College of Agriculture, Sian, Shensi Province.
- 390919.** 'Ts'ao-yuan # 1'. Kirin Branch, Academy of Agricultural and Forestry Sciences. Seedlings deep green. Plant height about 90 cm. Heads awned, white husk, hairless, red grain. 1,000 grains average 30 grams. Spring type, growing period 85 days. Low resistance to stem rust at high temperatures. Susceptible to leaf rust, medium susceptibility to root rot. Strong resistance to drought in seedling stage.

390905 to 390931—Continued**390905 to 390924—Continued**

- 390920.** Ts'ao-yuan # 2. Kirin Branch, Academy of Agricultural and Forestry Sciences. Seedlings deep green, erect. Plant height to 95 cm. Heads awned, black, white husk, hairs, red grains of good quality. 1,000 grains average 31 grams. Spring type, growing period 88 days. Low resistance to stem and leaf rusts at high temperatures. Susceptible to root rot at medium temperatures.
- 390921.** Ts'ao-yuan # 3'. Kirin Branch, Academy of Agricultural and Forestry Sciences. Seedlings light green, erect. Plant height to 95 cm. Heads awned, white husk, hairless, red grains. 1,000 grains average 32 grams. Early spring type maturing in about 82 days. Resistant to drought in early growing stage, resistant to flooding toward maturity. Resistant to stem rust, tolerates leaf rust and *Giberella*.
- 390922.** Ts'ao-yuan # 4. Kirin Branch, Academy of Agricultural and Forestry Sciences. Seedlings light green, erect. Plant height 100 cm, elastic stems. Heads awned, white husk, hairless, red grains. 1,000 grains average 32 grams. Spring type, growing period 90 days. Resistant to high temperatures during middle of growing period. Resistant to stem and leaf rust at high temperatures. Light resistance to root rot and *Giberella*.
- 390923.** 'Yang-mai # 1'. Shanghai. Semiwinter habit, dwarf, resistant to lodging, high yielder. Plant height 80 to 90 cm. Seedlings erect, strong spring habit. Growing period about 205 days. Grains red, 1,000 average 32 grams.
- 390924.** 'Yenan # 15'. Northwest college of Agriculture, Sian, Shensi Province.
- 390925.** HORDEUM DISTICHON L. Gramineae. **Two-rowed barley.**
'Ai-pai-yang'. Shanghai. Semiwinter habit. Growing period 210 days. Plant height to 115 cm. Two-row, 22 grains average per head. 1,000 grains average about 40 grams. Sown early November, matures in June.
- 390926 and 390927.** HORDEUM VULGARE L. **Barley.**
- 390926.** 'San-yueh-haung'. Shanghai. Early maturing, semiwinter habit. Growing period 200 days. Plant height 80-90 cm, four-row, 30 grains per head average. 1,000 grains average about 23 grams. Sown late October, matures late May or early June.
- 390927.** '757'. Shanghai. Glutinous hullless, semiwinter habit. Growing period 200 days. Seedlings erect, stout stems. Plant height to 85 cm. Six-row, 50 grains average per head. 1,000 grains average 25 grams. Sown late October, matures late May.
- 390928 to 390931.** AVENA NUDA L. Gramineae. **Naked oats.**
- 390928.** 'Ch'ang-yen-mai'. Association of Agriculture and Forestry, Peking. Origin in Shansi Province. Long grains.
- 390929.** 'Li-chia-ch'ang'. Association of Agriculture and Forestry, Peking. Origin in Hopei Province.
- 390930.** 'Li-ming-yuan-tan-yen-mai'. Association of Agriculture and Forestry, Peking. Origin in Shansi Province. Local name "New Year Dawn".
- 390931.** 'Ta-ch'ang-yen-mai'. Association of Agriculture and Forestry, Peking. Origin in Shansi Province. Extra long grains.

390932 to 390950. ADONIS AMURENSIS Regel & Radde**Ranunculaceae.****Amur adonis.**

From Japan. Plants presented by Takashi Nakamura, Hongo, Okabemachi, Oosatogun, Saitamaken through Office of Agricultural Attache, American Embassy, Tokyo. Received November 7, 1974.

- 390932.** 'Beni Nadeshiko'. Copper yellow flowers, serrated petals.
- 390933.** 'Benten'. Near white flowers.

390932 to 390950—Continued

390934. 'Chichibuko'. Orange-red, semidouble flowers.
 390935. 'Fukujukai'. Golden yellow, double flowers. The only variety grown commercially on a large scale.
 390936. 'Fukurokuju'. Golden yellow, double flowers.
 390937. 'Gosho'. Golden yellow, double, large flowers.
 390938. 'Hinomoto'. Orange-yellow flowers.
 390939. 'Hinoumi'. The reddest semidouble flowers.
 390940. 'Iwatono Hikari'. Yellow, double flowers.
 390941. 'Kakuremino'. Probably brownish-yellow flower.
 390942. 'Kinsai'. Yellow, featherlike double flowers.
 390943. 'Kinshi'. Golden yellow, semidouble flowers, serrated petals.
 390944. 'Kogiku'. Small, double, yellow flowers.
 390945. 'Kotobuki'. Small, yellow double flowers. Late blooming.
 390946. 'Mikaeri Jishi'. Golden yellow, double flowers.
 390947. 'Nadeshiko'. Greenish-yellow flowers, serrated petals.
 390948. 'Sandanzaki'. Yellow, double flowers with many green petaled centers, with yellow small petals innermost.
 390949. 'Tama Kujak'. No petals but with numerous calyx. Appears a full double, brown flower.
 390950. 'Taiho'. Golden yellow, double flowers.

390951 to 390954. CUCUMIS SATIVUS L. Cucurbitaceae.**Cucumber.**

From Union of Soviet Socialist Republics. Seed presented by N.I. Vavilov Institute of Plant Industry, Leningrad. Received September 23, 1974.

390951. VIR 919. 'Caisci'. Georgia.
 390952. VIR 1482. 'Din-zo-sn'. Vesennij salatnyi (Spring salad). Moscow.
 390953. VIR 2637. 'Kujliukskij'. Uzbekistan.
 390954. VIR 2414. 'Viaznikovskij 37'. Moscow

390955 to 390957.

From South Africa. Seed presented by Plant Introduction Officer, Department of Agricultural Technical Services, Pretoria. Received September 27, 1974.

390955 and 390956. ANTHEPHORA PUBESCENS Nees Gramineae.

390955. 'T.5'.
 390956. 'T.6'.

390957. LOLIUM (hybrid) Gramineae.
M/66/175. 'Ariki'. N.694. (*L. perenne* x *L. multiflorum*).**390958 to 390960.**

From Costa Rica. Plant material presented by Claude Hope, Cartago. Received December 8, 1973.

390958. BEGONIA FUCHSIODES Hook. Begoniaceae.
B-61061. Light pink flowers. Plants.
 390959. HIBISCUS sp. Malvaceae.
Pink flowers. Seed.
 390960. SALVIA sp. Labiatae.
B-61065. Leaves broadly ovate, inflorescence a terminal spike. Calyx blackish, flower bilabiate, 5 cm long, bright purple. Plants.

390961. MUSA BALBISIANA Colla Scitamineae.

From Vietnam. Seed presented by K. A. Kopf, Agricultural Advisor, United States Agency for International Development, Saigon. Received April 8, 1974.

Fruit grown at Institute for Agricultural Research Saigon. BB type.

**390962 to 390964. BRASSICA PARACHINENSIS Bailey
Cruciferae.**

From Hong Kong. Seed presented by Wong Ching Ho Seed Company through the Asian Vegetable Research and Development Center, Tainan, Taiwan. Received October 1, 1974.

390962. 40-day Chaisum.

390963. 60-day Chaisum.

390964. 80-day Chaisum.

390965 and 390966. CAPSICUM ANNUM L. Solanaceae.

Pimento.

From Hungary. Seed presented by National Institute of Agrobotany, Tapioszele. Received October 3, 1974.

390965. 'Kalocsai determinalt 601'.

390966. 'Kalocsai 504'.

390967 to 390977.

From Israel. Seed presented by Plant Introduction Service, The Volcani Center, Agricultural Research Organization, Bet Dagan. Received September 12, 1974.

390967 to 390969. BRASSICA OLERACEA var. BOTRYTIS L. Cruciferae.

Cauliflower.

390967. 'Glory of Bet Alpha'.

390968. 'Nurit'.

390969. 'Rachel'.

390970 to 390974. CAPSICUM ANNUM L. Solanaceae.

Pimento.

390970. 'Bikura'.

390971. 'Chad Assif Adom'.

390972. 'Hot Pepper'.

390973. 'Yellow Bet Dagan'.

390974. 'Yellow Nahariya'.

390975 to 390977. LACTUCA SATIVA L. Compositae.

Lettuce.

390975. 'Rinat Hokfar'. Head type.

390976. 'Summer Heading 64'. Head type.

390977. 'Yellow Cos'. Leaf type.

390978. IMPATIENS GLANDULIFERA Arnott Balsaminaceae.

From Canada. Seed presented by Ms. J. R. N. Wilson, Toronto. Received October 23, 1974.

Pioneer settler's house in rear of Viking Lumber Yard, Bala, Ontario. 207 km North of Toronto. September 22, 1974.

390979. AMMOPHILA ARENARIA (L.) Link. Gramineae. European beachgrass.

From South Africa. Seed presented by Plant Introduction Officer, Department of Agricultural Technical Services, Pretoria. Received October 18, 1974.

M/70/355. Introduced 1970 to South Africa from Hazera Seed Company, Haifa, Israel. Used for sand dune control.

390980 to 390982. ORYZA SATIVA L. Gramineae. Rice.

From Malaysia. Seed presented by V. T. Kee, Agricultural Research and Development Institute through Office of Agricultural Attache, American Embassy, Kuala Lumpur. Received August 25, 1974.

390980. 'Pulut Malaysia Satu (PS 124)'. From cross 'Pulut Sutura' × 'Ria'. Plants erect, stiff narrow leaves. Field resistance to blast and fairly tolerant against bacterial leaf blight. Matures 135 to 147 days.

390981. 'Sri Malaysia Dua (PR 203)'. From cross 'IR8' × 'Pankhari 203'. Plants erect with stiff but slightly broad leaves. Resistant to leaf blast and fairly tolerant against bacterial leaf blight. Matures 128 to 130 days.

390982. 'Sri Malaysia Satu (PTR 264)'. From cross 'Peta × 'Tangkai Rotan''. Plants erect but leafy. Broader than most varieties exhibiting a certain amount of mutual shading at later growing stages. Matures 135 to 140 days.

390983 to 390998. ORYZA SATIVA L. Gramineae. Rice.

From Pakistan. Seed collected 1971-72 by Imtizaj Husain, Agricultural Research Council, Karachi under Public Law Project A17-PSR-5. Received February 20, 1974.

390983. 298.	390991. HB 351.
390984. 11358.	390992. HB 424.
390985. 21984.	390993. YT 37.
390986. 22048.	390994. YT 486.
390987. 22150.	390995. Obs. 7003.
390988. 22216.	390996. Obs. 7008.
390989. HB 153-W.	390997. PN 9046.
390990. HB 329.	390998. Upland.

390999. NYMPHAEA TETRAGONA Georgi. Nymphaeaceae.

From Japan. Seed presented by Botanical Garden, Tohoku University, Sendai. Received September 26, 1974.

253. Delectus Seminum 1974.

391000 to 391068. HORDEUM SPONTANEUM C. Koch Gramineae. Barley.

From Israel. Seed harvested spring 1972 and presented by I. Wahl, Department of Botany, Tel-Aviv University, Tel-Aviv under Public Law 480 Project A10-CR-96. Received November 12, 1974.

391000. H.s.503.	391009. H.s.525.
391001. H.s.504.	391010. H.s.542.
391002. H.s.506.	391011. H.s.543.
391003. H.s.507.	391012. H.s.545.
391004. H.s.511.	391013. H.s.548.
391005. H.s.512.	391014. H.s.549.
391006. H.s.518.	391015. H.s.551.
391007. H.s.520.	391016. H.s.552.
391008. H.s.524.	391017. H.s.553.

391000 to 391068—Continued

391018.	H.s.555.	391044.	H.S.665.
391019.	H.s.556.	391045.	H.s.697.
391020.	H.s.560.	391046.	H.s.700.
391021.	H.s.562.	391047.	H.s.701.
391022.	H.s.563.	391048.	H.s.703.
391023.	H.s.564.	391049.	H.s.705.
391024.	H.s.585.	391050.	H.s.707.
391025.	H.s.592.	391051.	H.s.710.
391026.	H.s.604.	391052.	H.s.711.
391027.	H.s.631.	391053.	H.s.716.
391028.	H.s.632.	391054.	H.s.720.
391029.	H.s.635.	391055.	H.s.776.
391030.	H.s.636.	391056.	H.s.777.
391031.	H.s.637.	391057.	H.s.780.
391032.	H.s.639.	391058.	H.s.781.
391033.	H.s.641.	391059.	H.s.783.
391034.	H.s.642.	391060.	H.s.785.
391035.	H.s.643.	391061.	H.s.791.
391036.	H.s.645.	391062.	H.s.792.
391037.	H.s.646.	391063.	H.s.793.
391038.	H.s.649.	391064.	H.s.794.
391039.	H.s.562.	391065.	H.s.795.
391040.	H.s.660.	391066.	H.s.797.
391041.	H.s.661.	391067.	H.s.798.
391042.	H.s.663.	391068.	H.s.801.
391043.	H.s.664.		

391069 to 391137. HORDEUM SPONTANEUM C. Koch
Gramineae.**Barley.**

From Israel. Seed harvested spring 1972 and presented by I. Wahl, Department of Botany, Tel-Aviv University, Tel-Aviv. Received November 12, 1974.

- 391069. Sasa, Upper Galilee. Site 1.
- 391070. Sasa, Upper Galilee. Site 2.
- 391071. Meron, Upper Galilee. Site 1.
- 391072. Meron, Upper Galilee. Site 2.
- 391073. Meron, Upper Galilee. Site 3.
- 391074. Parod, Upper Galilee. Site 1.
- 391075. Parod, Upper Galilee. Site 2.
- 391076. Parod, Upper Galilee. Site 3.
- 391077. Parod, Upper Galilee. Site 4.
- 391078. Kefar Shammai, Upper Galilee. Site 1.
- 391079. Kefar Shammai, Upper Galilee. Site 2.
- 391080. Kefar Shammai, Upper Galilee. Site 3.
- 391081. Biriyya, Upper Galilee. Site 1.
- 391082. Biriyya, Upper Galilee. Site 2.

391069 to 391137—Continued

- 391083. Zefat, Upper Galilee. Site 1.
- 391084. Adamit, Western Galilee. Site 1.
- 391085. Adamit, Western Galilee. Site 2.
- 391086. Bezet, Western Galilee. Site 1.
- 391087. Shefar'am, Lower Galilee. Site 1.
- 391088. Shefar'am, Lower Galilee, Site 2.
- 391089. Shefar'am, Lower Galilee. Site. 3.
- 391090. Usfia, Mt. Carmel. Site 1.
- 391091. Usfia, Mt. Carmel. Site 2.
- 391092. Kefar Yehoshua, Valley of Esdraelom. Site 1.
- 391093. Kefar Yehoshua, Valley of Esdraelom. Site 2.
- 391094. Kefar Yehoshua, Valley of Esdraelom. Site 3.
- 391095. Mehola, Bet Shean Valley. Site. 1.
- 391096. Mehola, Bet Shean Valley. Site 2.
- 391097. Mehola, Bet Shean Valley. Site 3.
- 391098. Shefayyim, Central Costal Plain. Site 1.
- 391099. Shefayyim, Central Costal Plain. Site 2.
- 391100. Shefayyim, Central Costal Plain. Site 3.
- 391101. Yaqum, Central Costal Plain. Site 1.
- 391102. Yaqum, Central Costal Plain. Site 2.
- 391103. Yaqum, Central Costal Plain. Site 3.
- 391104. Tel Aviv, Central Costal Plain. Site 1.
- 391105. Tel Aviv, Central Costal Plain. Site 2.
- 391106. Wadi Sarar, Southern Costal Plain. Site 1.
- 391107. Wadi Sarar, Southern Costal Plain. Site 2.
- 391108. Rehovat, Southern Costal Plain. Site 1.
- 391109. Rehovat, Southern Costal Plain. Site 2.
- 391110. Rehovat, Southern Costal Plain. Site 3.
- 391111. Gedera, Southern Costal Plain. Site 1.
- 391112. Gedera, Southern Costal Plain. Site 2.
- 391113. Gedera, Southern Costal Plain. Site 3.
- 391114. Gedera, Southern Costal Plain. Site 4.
- 391115. Gedera, Southern Costal Plain. Site 5.
- 391116. Emek Haela, Judean Foot Hills. Site 1.
- 391117. Emek Haela, Judean Foot Hills. Site 2.
- 391118. Emek Haela, Judean Foot Hills. Site 3.
- 391119. Emek Haela, Judean Foot Hills. Site 4.
- 391120. Emek Haela, Judean Foot Hills. Site 5.
- 391121. Emek Haela, Judean Foot Hills. Site 6.
- 391122. Emek Haela, Judean Foot Hills. Site 7.
- 391123. Netiv Halamed-He, Judean Foot Hills. Site 1.
- 391124. Netiv Halamed-He, Judean Foot Hills. Site 2.
- 391125. Netiv Halamed-He, Judean Foot Hills. Site 3.
- 391126. Netiv Halamed-He, Judean Foot Hills. Site 4.

391069 to 391137—Continued

391127. Netiv Halamed-He, Judean Foot Hills. Site 5.
 391128. Netiv Halamed-He, Judean Foot Hills. Site 6.
 391129. Netiv Halamed-He, Judean Foot Hills. Site 7.
 391130. Netiv Halamed-He, Judean Foot Hills. Site 8.
 391131. En Yorkeam, Northern Negev Lowlands. Site 1.
 391132. En Yorkeam, Northern Negev Lowlands. Site 2.
 391133. En Yorkeam, Northern Negev Lowlands. Site 3.
 391134. En Yorkeam, Northern Negev Lowlands. Site 4.
 391135. En Yorkeam, Northern Negev Lowlands. Site 5.
 391136. En Yorkeam, Northern Negev Lowlands. Site 6.
 391137. En Yorkeam, Northern Negev Lowlands. Site 7.

391138 to 391264. ORYZA SATIVA L. Gramineae. Rice.

From Philippines. Seed presented by T. T. Chang, Rice Research Institute, Los Banos, Laguna. Grown at El Centro, California in 1973. Received November 20, 1974.

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| 391138. IRR I 4357. | 391167. IRR I 4521. |
| 391139. IRR I 4362. | 391168. IRR I 4522. |
| 391140. IRR I 4389. | 391169. IRR I 4529. |
| 391141. IRR I 4401. | 391170. IRR I 4548. |
| 391142. IRR I 4403. | 391171. IRR I 4569. |
| 391143. IRR I 4406. | 391172. IRR I 4578. |
| 391144. IRR I 4407. | 391173. IRR I 4590. |
| 391145. IRR I 4408. | 391174. IRR I 4591. |
| 391146. IRR I 4410. | 391175. IRR I 4594. |
| 391147. IRR I 4411. | 391176. IRR I 4616. |
| 391148. IRR I 4425. | 391177. IRR I 4625. |
| 391149. IRR I 4428. | 391178. IRR I 4626. |
| 391150. IRR I 4430. | 391179. IRR I 4637. |
| 391151. IRR I 4431. | 391180. IRR I 4640. |
| 391152. IRR I 4432. | 391181. IRR I 4682. |
| 391153. IRR I 4433. | 391182. IRR I 4754. |
| 391154. IRR I 4436. | 391183. IRR I 4755. |
| 391155. IRR I 4437. | 391184. IRR I 4788. |
| 391156. IRR I 4442. | 391185. IRR I 4848. |
| 391157. IRR I 4446. | 391186. IRR I 4872. |
| 391158. IRR I 4476. | 391187. IRR I 4874. |
| 391159. IRR I 4481. | 391188. IRR I 4875. |
| 391160. IRR I 4489. | 391189. IRR I 4876. |
| 391161. IRR I 4492. | 391190. IRR I 4877. |
| 391162. IRR I 4507. | 391191. IRR I 4889. |
| 391163. IRR I 4508. | 391192. IRR I 4962. |
| 391164. IRR I 4513. | 391193. IRR I 4964. |
| 391165. IRR I 4514. | 391194. IRR I 4965. |
| 391166. IRR I 4515. | 391195. IRR I 4966. |

391138 to 391264—Continued

391196.	IRRI 4969.	391231.	IRRI 9483.
391197.	IRRI 4970.	391232.	IRRI 9489.
391198.	IRRI 4972.	391233.	IRRI 9491.
391199.	IRRI 4973.	391234.	IRRI 9496.
391200.	IRRI 4982.	391235.	IRRI 9499.
391201.	IRRI 4984.	391236.	IRRI 9539.
391202.	IRRI 4999.	391237.	IRRI 9546.
391203.	IRRI 5001.	391238.	IRRI 9805.
391204.	IRRI 5002.	391239.	IRRI 10348.
391205.	IRRI 5003.	391240.	IRRI 10353.
391206.	IRRI 5014.	391241.	IRRI 10384.
391207.	IRRI 5015.	391242.	IRRI 10388.
391208.	IRRI 5016.	391243.	IRRI 10538.
391209.	IRRI 5033.	391244.	IRRI 10581.
391210.	IRRI 5055.	391245.	IRRI 10582.
391211.	IRRI 5065.	391246.	IRRI 10585.
391212.	IRRI 5069.	391247.	IRRI 10595.
391213.	IRRI 5077.	391248.	IRRI 10604.
391214.	IRRI 5080.	391249.	IRRI 10606.
391215.	IRRI 5081.	391250.	IRRI 10610.
391216.	IRRI 5084.	391251.	IRRI 10611.
391217.	IRRI 5089.	391252.	IRRI 10622.
391218.	IRRI 5093.	391253.	IRRI 10635.
391219.	IRRI 5553.	391254.	IRRI 10839.
391220.	IRRI 5570.	391255.	IRRI 10873.
391221.	IRRI 5572.	391256.	IRRI 10890.
391222.	IRRI 5573.	391257.	IRRI 10970.
391223.	IRRI 5583.	391258.	IRRI 10999.
391224.	IRRI 5596.	391259.	IRRI 11030.
391225.	IRRI 5598.	391260.	IRRI 11032.
391226.	IRRI 8620.	391261.	IRRI 11048.
391227.	IRRI 8720.	391262.	IRRI 11049.
391228.	IRRI 9476.	391263.	IRRI 11083.
391229.	IRRI 9480.	391264.	IRRI 11087.
391230.	IRRI 9481.		

391265 to 391381. *ORYZA SATIVA* L. Gramineae. Rice.

From Philippines. Seed presented by T. T. Chang, Rice Research Institute, Los Banos, Laguna. Grown at Lajas, Puerto Rico in 1973. Received November 20, 1974.

391265.	IRRI 172.	391271.	IRRI 870.
391266.	IRRI 577.	391272.	IRRI 4149.
391267.	IRRI 717.	391273.	IRRI 4797.
391268.	IRRI 838.	391274.	IRRI 4929.
391269.	IRRI 845.	391275.	IRRI 4936.
391270.	IRRI 865.	391276.	IRRI 5233.

391265 to 391381—Continued

391277. IRR I 5368.	391321. IRR I 6849.
391278. IRR I 5411.	391322. IRR I 6869.
391279. IRR I 5416.	391323. IRR I 7045.
391280. IRR I 5419.	391324. IRR I 7276.
391281 IRR I 5422.	391325. IRR I 7371.
391282. IRR I 5837.	391326. IRR I 7548.
391283. IRR I 5838.	391327. IRR I 7551.
391284. IRR I 5864.	391328. IRR I 7639.
391285. IRR I 5872.	391329. IRR I 7731.
391286. IRR I 5876.	391330. IRR I 7803.
391287. IRR I 5893.	391331. IRR I 7808.
391288. IRR I 5910.	391332. IRR I 7874.
391289. IRR I 5913.	391333. IRR I 7875.
391290. IRR I 5917.	391334. IRR I 7881.
391291. IRR I 5941.	391335. IRR I 7906.
391292. IRR I 5953.	391336. IRR I 7910.
391293. IRR I 5961.	391337. IRR I 7923.
391294. IRR I 5992.	391338. IRR I 7934.
391295. IRR I 6081.	391339. IRR I 7936.
391296. IRR I 6108.	391340. IRR I 7959.
391297. IRR I 6115.	391341. IRR I 7979.
391298. IRR I 6120.	391342. IRR I 8432.
391299. IRR I 6125.	391343. IRR I 8449.
391300. IRR I 6162.	391344. IRR I 8738.
391301. IRR I 6163.	391345. IRR I 8878.
391302. IRR I 6178.	391346. IRR I 8884.
391303. IRR I 6179.	391347. IRR I 8910.
391304. IRR I 6182.	391348. IRR I 8930.
391305. IRR I 6186.	391349. IRR I 8951.
391306. IRR I 6213.	391350. IRR I 8973.
391307. IRR I 6270.	391351. IRR I 8976.
391308. IRR I 6497.	391352. IRR I 9009.
391309. IRR I 6507.	391353. IRR I 9061.
391310. IRR I 6508.	391354. IRR I 9098.
391311. IRR I 6520.	391355. IRR I 9116.
391312. IRR I 6531.	391356. IRR I 9146.
391313. IRR I 6537.	391357. IRR I 9167.
391314. IRR I 6543.	391358. IRR I 9189.
391315. IRR I 6638.	391359. IRR I 9190.
391316. IRR I 6711.	391360. IRR I 9191.
391317. IRR I 6781.	391361. IRR I 9200.
391318. IRR I 6788.	391362. IRR I 9203.
391319. IRR I 6793.	391363. IRR I 9326.
391320. IRR I 6797.	391364. IRR I 9357.

391265 to 391381—Continued

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|---------------------|---------------------|
| 391365. IRR I 9358. | 391374. IRR I 9775. |
| 391366. IRR I 9382. | 391375. IRR I 9630. |
| 391367. IRR I 9384. | 391376. IRR I 9820. |
| 391368. IRR I 9386. | 391377. IRR I 9822. |
| 391369. IRR I 9422. | 391378. IRR I 9824. |
| 391370. IRR I 9513. | 391379. IRR I 9830. |
| 391371. IRR I 9514. | 391380. IRR I 9831. |
| 391372. IRR I 9736. | 391381. IRR I 9834. |
| 391373. IRR I 9769. | |

391382 to 391384. ORYZA SATIVA L. Gramineae. Rice.

From Philippines. Seed presented by The International Rice Research Institute, Manila. Received November 20, 1974.

391382. IR 667-98-2-1.
 391383. IR 667-98-2-2.
 391384. IR 667-98-2-2-2.

391385 and 391386. STOKESIA LAEVIS (Hill) Greene Compositae.

•From United States. Seed presented by P. J. Gerone and E. F. Rodriguez, Tulane University, Delta Regional Primate Research Center, Covington, Louisiana. Received November 18, 1974.

391385. Northwest of interchange I-12 and US 11 on north side of Brown's Village Road, Slidell, Louisiana. Dense, vigorous population with tall plants.
 391386. South of interchange I-12 and Louisiana route 434. Along south and east sides of Dixie Ranch Road, Lacombe, Louisiana. Small, widely scattered population.

391387 to 391406.

From People's Republic of China. Seed presented by Chinese Academy of Agricultural and Forestry Sciences to United States Plant Sciences Delegation, Committee on Scholarly Communication with the People's Republic of China (NAS). Received October 19, 1974.

391387. ACER MONO Maxim. Aceraceae. **Mono maple.**
 Growing in park at Lake Shivan Wu, Nanking. Small tree with small serrate leaves. September 12, 1974.
391388. BETULA DAVURICA Pall. Betulaceae. **Dahurian birch.**
 Park in city of Mukden, Northeast China. Birch with brown scaly bark. September 5, 1974.
391389. DESMODIUM PULCHELLUM (L.) Benth. Leguminosae. **Beggarweed.**
 Canton. August 28, 1974.
391390. JUNIPERUS CHINENSIS L. Pinaceae. **Chinese juniper.**
 Peking, near Forbidden City. Excellent columnar form. August 29, 1974.
391391. LIQUIDAMBAR FORMOSANA Hance Hamamelidaceae. **Formosa sweetgum.**
 Sun Yat Sen Memorial, Nanking. Seed from good straight tree. September 14, 1974.
391392. LONICERA sp. Caprifoliaceae.
 Kirin, Northeast China. Small leaved species, fruit dark red, small. September 5, 1974.
391393. MALUS BACCATA (L.) Borkh. Rosaceae.
 Park in Kirin, Northeast China. Large crabapple to 4.5 m, fruit small, red. September 5, 1974.
391394. MORUS ALBA L. Moraceae. **White mulberry.**
 Canton. September 21, 1974.

391387 to 391406—Continued

- 391395.** *PINUS BUNGEANA* Zucc. ex Endl. Pinaceae. **Lacebark pine.**
Canton. September 21, 1974.
- 391396.** *PINUS PUMILA* (Pallas) Regel **Stone pine.**
Grounds of Nanking Hotel, Nanking. September 12, 1974.
- 391397.** *PINUS TABULAEFORMIS* Carr.
Canton. September 21, 1974.
- 391398.** *PTEROCARYA STENOPTERA* DC. Juglandaceae. **Chinese wingnut.**
Nanking. Street tree. Pinnate leaf with slightly winged rachis, pendulant raceme. September 13, 1974.
- 391399.** *PYRUS CALLERYANA* Decausne Rosaceae. **Callery pear.**
Great Wall. September 1, 1974.
- 391400.** *QUERCUS DENTATA* Thunb. Fagaceae. **Daimyo oak.**
Garden of Valley of Tombs of Ming Dynasty. About 50 km north of Peking. September 1, 1974.
- 391401.** *RHODODENDRON* sp. Ericaceae.
Canton. Flowers single, pink. May be *R. simsii*. August 28, 1974.
- 391402.** *SOPHORA JAPONICA* L. Leguminosae. **Chinese scholar tree.**
Canton. September 21, 1974.
- 391403.** *SYRINGA OBLATA* Lindl. ex Carr. Oleaceae. **Broadleaf lilac.**
Kirin, Northeast China. Large leaved lilac, free of mildew. September 5, 1974.
- 391404.** *THUJA ORIENTALIS* L. Pinaceae. **Oriental arborvitae.**
Canton. September 21, 1974.
- 391405.** *VIBURNUM KANSUENSE* Batal. Caprifoliaceae.
Park in Kirin, Northeast China. Large, three-lobed leaves. September 5, 1974.
- 391406.** *VIBURNUM ODORATISSIMUM* Ker **Sweet viburnum.**
Grounds of Nanking Hotel, Nanking. Large evergreen shrub. September 12, 1974.

391407 to 391411. SACCHARUM (hybrid) Gramineae.**Sugarcane.**

From Fiji. Seed presented by Fiji Sugar Corporation, Ltd., Lautoka. Received October 18, 1974.

- 391407.** 202. 'Vomo' x H37-1933.
- 391408.** 324. 'Vomo' x H37-1933.
- 391409.** 403. LF59-220 x H37-1933.
- 391410.** 1291. 'Vomo' x H37-1933.
- 391411.** 1539. 'Malix' x H37-1933.

391412 to 391416. ZEA MAYS L. Gramineae. Corn.

From Philippines. Seed presented by the University of the Philippines, Los Banos, Laguna. Reproduced by Plant Disease Research Laboratory, Frederick, Maryland. Received November 4, 1974.

- 391412.** 'Aroman White Flint'. **391415.** 'Ph 11'.
- 391413.** 'Minimies White Flint'. **391416.** 'Ph 17'.
- 391414.** 'Ph 9'.

391417 to 391420.

From Wales. Seed presented by I. T. Jones, Welsh Plant Breeding Station, Plas Gogerddan, near Aberystwyth. Received November 12, 1974.

- 391417.** *AVENA BARBATA* Brot. Gramineae. **Slender oats.**
Cc 4897. Tetraploid. Highly resistant to prevalent races of mildew at Aberystwyth.

391417 to 391420—Continued

391418. AVENA HIRTULA Lag.
Cc 3687.

391419 and 391420. AVENA SATIVA L. Common oat.

391491. Cc 4146. Natural hybrid. Purplish brown seed.

391420. 9065 Cw 6/3/74.

391421. HORDEUM sp. Gramineae.

From Ethiopia. Seed presented by D. R. Schmidt, Agronomist, College of Agriculture, Haile Selassie I University, Debre Zeit. Received September 16, 1974.

Hosana market. Black seeded, hullless type. Highest crude protein in Debre Zeit trials.

391422. CORYDALIS OCHOTENSIS Turcz. Papaveraceae.

From Korea. Seed presented by Tchang Bok Lee, Professor of Dendrology, College of Agriculture, Seoul National University, Suwon. Received November 18, 1974.

Mt. Myoung-zii. October 9, 1974.

391423 to 391427.

From Morocco. Seed presented by J. L. Caddel, United States Agency for International Development, American Embassy, Rabat. Received October 8, 1974.

391423 and 391424. HORDEUM BULBOSUM L. Gramineae.

391423. 73 WBN 6. Roadside, Sidi Allal Tazi.

391424. 73 WBN 7. Roadside, Sidi Allal Tazi.

391425. HORDEUM sp.
73 WBN 1-5. Wild.

391426. HORDEUM sp.
No data. Wild.

391427. LOLIUM TEMULENTUM L. Gramineae. Darnel.
No data.

391428. OCOTEA PRETIOSA (Nees) Mez Lauraceae.

From Brazil. Seed presented by Emilo Bruno Germeck, Instituto Agronomico, Campinas, Sao Paulo. Received November 15, 1974.

391429. PHASEOLUS VULGARIS L. Leguminosae.

Common bean.

From the Netherlands. Seed presented by Nunhems Zaden, N. V., Haelen. Received November 5, 1974.

'El Conge'. Negro Vain Blanea. Originally from Instituto Interamericano de Ciencias Agricolas, Turrialba, Costa Rica. Complete resistance to races 111 and 112 of halo blight. Field tests with races 113 and 114 showed leaves and pods remained healthy.

391430 to 391433. LATHYRUS SATIVUS L. Leguminosae.

Grass peavine.

From India. Seed presented by H. K. Jain, Division of Genetics, Indian Agricultural Research Institute, New Delhi under Public Law 480 Project A7-CR-308. Received November 15, 1974.

391430. 'P-24'. **391432.** 'P-534'.

391431. 'P-396'. **391433.** 'P-597'.

391434. PHYLLOSTACHYS PUBESCENS Mazel ex H. de Lahaie
Gramineae.

From Japan. Seed presented by K. Ueda, University of Kyoto Experiment Station to Luis Marden, National Geographic Society, Washington, D.C. Received November 21, 1974.

Harvested 1972. Giant timber bamboo. Local name Moso chiku.

391435 and 391436.

From India. Seed presented by R. C. Ghosh, Forestry Research Institute, Dehra Dun to Luis Marden, National Geographic Society, Washington, D.C. Received November 21, 1974.

391435. DENDROCALAMUS MEMBRANACEUS Munro Gramineae. **Bamboo.**

391436. TECTONA GRANDIS L. f. Verbenaceae. **Teak.**

391437 and 391438. VITIS VINIFERA L. Vitaceae.

European grape.

From Australia. Cuttings presented July 1972 by A. J. Antcliff, Division of Horticultural Research, Commonwealth Scientific and Industrial Research Organization, Merbein, Victoria. Received November 12, 1974.

391437. 'Doradillo' (Blanquette).

391438. 'Green Doradillo'.

391439. VITIS VINIFERA L. Vitaceae. **European grape.**

From Brazil. Cuttings presented August 1972 by M. F. Dias, Director, Estacao Experimental Fitotecnica de Caxias do Sul. Received November 12, 1974.

'Solferino'.

391440. VITIS VINIFERA L. Vitaceae. **European grape.**

From Venezuela. Cuttings presented October 1972 by Estacion Experimental "El Cuji", Barquisimeto edo Lara. Received November 12, 1974.

'Villa Nueva'.

391441 and 391442. VITIS VINIFERA L. Vitaceae.

European grape.

From Italy. Cuttings presented February 1973 by Italo Eynard, Istituto di Coltivazioni Arboree, Dell Universita di Torino, Torino. Received November 12, 1974.

391441. 'Nebbiolo Lampia'.

391442. 'Nebbiolo Michet'.

391443. VITIS VINIFERA L. Vitaceae. **European grape.**

From Chile. Cuttings collected March 1973 by L. Lider, Department of Viticulture, University of California, Davis, California. Received November 12, 1974.

'Sauvignonesse'. Concha y Toro.

391444 and 391445. VITIS VINIFERA L. Vitaceae.

European grape.

From Chile. Cuttings presented March 1973 by Vina J. Solar, Curico, to L. Lider, Department of Viticulture, University of California, Davis, California. Received November 12, 1974.

391444. 'Sauvignonesse'.

391445. 'Semillon'.

391446 to 391450. VITIS VINIFERA L. Vitaceae.**European grape.**

From Argentina. Cuttings presented August 1973 by A. A. Gargiulo, Instituto Nacional de Tecnologia Agropecuaria, Rama Caida, San Rafael, Mendoza. Received November 12, 1974.

391446. C.G. 26.858.

391449. C.G. 92.127.

391447. C.G. 39.307.

391450. C.G. 351.

391448. C.G. 91.560.

391451 and 391452. VITIS VINIFERA L. Vitaceae.**European grape.**

From France. Cuttings presented October 1973 by M. Claude Valat, Association Nationale Technique pour l'Amelioration de la Viticulture, Domaine de l'Espiguette. Received November 12, 1974.

391451. 'Gamay Noir'.

391452. 'Syrah'.

391453. Z VITIS VINIFERA L. Vitaceae. European grape.

From Italy. Cuttings presented October 1973 by F. Scaramuzzi, Direttore dell'Instituto di Coltivazioni Arboree, Universita di Firenze, Firenze. Received November 12, 1974.

'Sangiovese'.

391454 to 391456. VITIS VINIFERA L. Vitaceae.**European grape.**

From Australia. Cuttings presented November 1973 by Robert Taylor, Victorian Plant Research Institute, Burnley, Victoria. Received November 12, 1974.

391454. 'Cabernet Sauvignon' (CSIRO 125).

391455. 'Cabernet Sauvignon' (CSIRO 126).

391456. 'Muscat Frontignan' (CSIRO Brown selection).

391457 and 391458. VITIS VINIFERA L. Vitaceae.**European grape.**

From West Germany. Cuttings presented March 1974 by Professor Becker, Institut for Rebenzuchtung und Rebenveredlung, Geisenheim. Received November 12, 1974.

391457. 'Ehrenfelser'.

391458. 'Gewurztraminer' (Klon 12).

391459 to 391461. VITIS VINIFERA L. Vitaceae.**European grape.**

From New Zealand. Cuttings collected March 1974 by L. Lider, Department of Viticulture, University of California, Davis, California. Received November 12, 1974.

391459. 'Pinotage'.

391460. 'Seibel 5455 (Plantet).

391461. 'Albany Surprise'

391462 to 391492. VITIS VINIFERA L. Vitaceae.**European grape.**

From France. Cuttings presented March 1974 by Station de Recherches de Viticulture, Pont-de-la-Maye. Received November 12, 1974.

391462. 'Sauvignon'. INRA Bx 5393.

391462 to 391492—Continued

- 391463. 'Sauvignon'. INRA Bx 5383.
- 391464. 'Sauvignon'. INRA Bx 5388.
- 391465. 'Semillon'. INRA Bx 3065.
- 391466. 'Semillon'. INRA Bx 3182.
- 391467. 'Semillon'. INRA Bx 3147.
- 391467. 'Cabernet-Sauvignon'. INRA Bx 5197.
- 391469. 'Cabernet-Sauvignon'. INRA Bx 5325.
- 391470. 'Cabernet-Sauvignon'. INRA Bx 1565.
- 391471. 'Merlot Noir'. INRA Bx 2099.
- 391472. 'Merlot Noir'. INRA Bx 3241.
- 391473. 'Merlot Noir'. INRA Bx 2100.
- 391474. 'Cot'(Malbec). INRA Bx 1056.
- 391475. 'Cot'(Malbec). INRA Bx 584.
- 391476. 'Petit Verdot'. INRA Bx 550.
- 391477. 'Cabernet France'. INRA Bx 1329.
- 391478. 'Cabernet France'. INRA Bx 796.
- 391479. 'Chardonnay'. INRA CP 11.
- 391480. 'Chardonnay'. INRA CP 33.
- 391481. 'Gamay'. INRA CV 112.
- 391482. 'Syrah'. INRA M VI-I SI.
- 391483. 'Riesling'. INRA Bx 813.
- 391484. 'Muscat blanc'. INRA Bx 8033.
- 391485. 'Carignan'. INRA Bx P5 ThTh.
- 391486. 'Grenache Noir'. INRA Bx P5 ThTh.
- 391487. 'Grenache Gris'. INRA Bx P5 ThTh.
- 391488. 'Grenache Blanc'. INRA Bx P5 ThTh.
- 391489. 'Carmenere'. Ch. Ag. Gde.
- 391490. 'Merlot'. Bas Plantey R16v3.
- 391491. 'Cabernet France'. Haut Lafue R22v4.
- 391492. 'Cabernet-Sauvignon'. Haut Plantey R31v2.

391493 to 391507. VITIS VINIFERA L. Vitaceae.**European grape.**

From France. Cuttings presented April 1974 by V. B. Seyve-Villard, Saint-Vallier. Received November 12, 1974.

- 391493. S.V. 26-166 (Noir Iere Eopque).
- 391494. S.V. 28-86 (Noir Iere Eopque tardive).
- 391495. S.V. 34-211 (Noir Iere Epoque tardive).
- 391496. S.V. 36-152 (Noir Iere Epoque tardive).
- 391497. S.V. 39-525 (Noir Iere Epoque tardive).
- 391498. S.V. 39-997 (Blanc 2eme Epoque).
- 391499. S.V. 41-351 (Noir 2eme Epoque tardive).
- 391500. S.V. 41-471 (Blanc Iere Epoque precoce).
- 391501. S.V. 46-77 (Noir Iere Epoque).
- 391502. S.V. 46-434 (Blanc Iere Epoque tardive).

391493 to 391507—Continued

391503. S.V. 46-475 (Noir 2eme Epoque).
 391504. S.V. 51-160 (Noir Iere Epoque tardive).
 391505. S.V. 56-411 (Noir Iere Epoque).
 391506. S.V. 61-339 (Noir Iere Epoque tardive).
 391507. S.V. 64-209 (Noir Iere Epoque tardive).

391508. VITIS VINIFERA L. Vitaceae. European grape.

From West Germany. Cuttings presented April 1974 by Landesanstalt fur Rebenzuchtug, Alzey, Dautenheimer. Received November 12, 1974.

'Scheurebe' (AZ8S8).

391509. ALLIUM VAILOVII Popov & Vved. Liliaceae.

From Iran. Bulbs presented by Per Wendelbo, Ariamehr Botanical Garden, Tehran. Received October 23, 1974.

Karaj Valley doab at 2,000 m elevation. Dry, stony, southeast exposed slope.

391510 to 391515.

From Japan. Plants presented by Shibamichi Kanjiro Company, Ltd., Angyo through R. L. Baker, Department of Horticulture, University of Maryland, College Park, Maryland. Received June 19, 1974.

391510. OPHIOPOGON JAPONICUS (L.f.) Ker. Liliaceae.
 'Striatus' (Silver Dragon, Gin-ryu).

391511. OPHIOPOGON PLANISCAPUS Nakai
 'Nigrescens' (Black Dragon, Koku-ryu).

391512. OPHIOPOGON sp.
 Small leaf, white margin.

391513. OPHIOPOGON sp.
 Foliage variegated, spotted.

391514. OPHIOPOGON sp.
 Noshime-ran, Yokoi. Foliage white striped.

391515. Undetermined
 Suzume-ran. Sparrow Orchid.

391516 to 391521.

From Union of Soviet Socialist Republics. Seed presented by the Director, Komarov Botanical Institute, Leningrad. Code numbers refer to Index Seminum 1973-74. Received October 3, 1974.

391516 and 391517. PRUNUS MAACKII Rupr. Rosaceae. Amur cherry.

391516. 214.

391517. 1891.

391518. PRUNUS SOGDIANA Vassilcz.
 2565.

391519. PRUNUS STEPPOSA Kotov
 234N

391520. PRUNUS USSURIENSIS Kov. & Kost.

391521. VERBASCUM SONGARICUM Schrenk Scrophulariaceae.

391522 to 391527.

From England. Plants presented by Pennell and Sons, Lincoln. Received May 17, 1974.

391522 to 391526. CLEMATIS (hybrid) Ranunculaceae.

391522. 'Bee's Jubilee'.

391523. 'Herbert Johnson'.

391522 to 391527—Continued**391522 to 391526—Continued**

391524. 'John Warren'.

391525. 'Marie Boisselot'.

391526. 'Mme Grange'.

391527. × CUPRESSOCYPARIS LEYLANDII (A. B. Jackson & Dallim). Dallim.
Pinaceae.
'Castewellan' (Pennell).

391528. RHODOHYPOXIS BAURI (Bak.) Nels. Amaryllidaceae.

From Japan. Plants presented by Oide Engei Company, Satsuki Nursery, Kanuma through R. L. Baker, Department of Horticulture, University of Maryland, College Park, Maryland. Received June 19, 1974.

391529. RUBUS NUTANTIFLORUS Hara Rosaceae.

From England. Cuttings presented by James Smart, Marwood Hill, Barnstaple. Received November 21, 1974.

391530 to 391537.

From Afghanistan. Seed collected by Michael Aylward and presented through J. R. Wilson, Food and Agriculture Officer, United States Agency for International Development, American Embassy, Kabul. Received November 19, 1974.

391530. ALLIUM sp. Liliaceae.
Sabzak Pass near Herat. Elevation 1,828 m.

391531. ARUM sp. Araceae.
Upper Paghman Valley. Elevation 2,286 m.

391532. CERCIS sp. Leguminosae.
Village of Istalif. Elevation 2,133 m.

391533. EREMURUS sp. Liliaceae.
Upper Paghman Valley. Elevation 2,286 m. Pink flowers.

391534. FRAXINUS sp. Oleaceae.
North Side Salang Pass. Elevation 2,590 m.

391535. FRITILLARIA sp. Liliaceae.
Upper Paghman Valley. Elevation 2,286 m.

391536. IRIS sp. Iridaceae.
Near Maidan. Bulbous.

391537. ROSA sp. Rosaceae.
North Side Salang Pass. Elevation 2,743 m.

391538 to 391684.

From People's Republic of China. Seed presented by Chinese Academy of Agricultural and Forestry Sciences to the United States Plant Sciences Delegation, Committee on Scholarly Communication with the People's Republic of China (NAS). Received October 10, 1974.

391538 to 391540. ALLIUM CEPA L. Liliaceae. **Onion.**

391538. Kiangsu Province Agricultural Sciences Research Institute, Nanking. Yellow skin.

391539. Kiangsu Province Agricultural Sciences Research Institute, Nanking. Red skin.

391540. 'Huang-p'i-yang-ts'ung'. Yellow skin. Shanghai.

391541. ALLIUM SATIVUM L. Liliaceae. **Garlic.**
'Ta-suan'. Shanghai.

391542. ALTHAEA sp. Malvaceae.
'Ch'ung-pan-shu-k'uei'. Double petaled. Shanghai.

391538 to 391684—Continued

391543. *APIUM GRAVEOLENS* L. Umbelliferae. Celery.
'Shih-kan-lu-ch'in'. Northwest College of Agriculture, Sian, Shensi Province.
- 391544 and 391545. *BENINCASA HISPIDA* (Thunb.) Cogn. Cucurbitaceae.
391544. 'Sian ta-tung-kua'. Northwest College of Agriculture, Sian, Shensi Province.
391545. 'Huang-mao chieh-kua'. Yellow hair melon. Association of Agriculture and Forestry, Canton Branch.
391546. *BENINCASA* sp.
'Ch'e-t'ou-tung-jua'. Winter melon. Association of Agriculture and Forestry, Peking.
- 391547 to 391551. *BRASSICA CAMPESTRIS* L. Cruciferae. Bird rape.
391547. 'Ai-chiao-huang'. Dwarf yellow. Kiangsu Province Agricultural Sciences Research Institute, Nanking.
391548. 'Hsiao-pai-k'ou'. Association of Agriculture and Forestry, Peking.
391549. 'Pao-t'ou-ch'ing'. Association of Agriculture and Forestry, Peking.
391550. 'Ch'ing-ts'ai'. Small type. Shanghai.
391551. 'Huang-ch'uan-ts'ai'. Large type. Shanghai.
- 391552 and 391553. *BRASSICA NAPUS* L. Rape.
391552. 'Chun-nung #1'. Shanghai.
391553. 'Shang-you'. Shanghai.
391554. *BRASSICA NARINOSA* Bailey
Kiangsu Province Agricultural Sciences Research Institute, Nanking.
- 391555 to 391557. *BRASSICA OLERACEA* var. *CAPITATA* L. Cabbage.
391555. 'Ching-feng #1'. Big head. Association of Agriculture and Forestry, Peking.
391556. 'Hei-ye-hsiao-p'ing-t'ou'. Big head. Association of Agriculture and Forestry, Peking.
391557. 'Hei-p'ing-t'ou'. Northwest College of Agriculture, Sian, Shensi Province.
- 391558 to 391560. *BRASSICA PEKINENSIS* (Lour.) Rupr. Chinese cabbage.
391558. 'Fu-tung #1'. Kiangsu Province Agricultural Sciences Research Institute, Nanking.
391559. 'Ch'ing-ma-ye'. Northwest College of Agriculture, Sian, Shensi Province.
391560. 'Er-pao-t'ou'. Northwest College of Agriculture, Sian, Shensi Province.
- 391561 and 391562. *BRASSICA RAPA* L. Turnip.
391561. 'Lu-pa-fen'. Association of Agriculture and Forestry, Peking.
391562. 'Taphung-p'ao'. Association of Agriculture and Forestry, Peking.
391563. *CAPSICUM ANNUUM* L. Solanaceae. Pimento.
'Chien-chiao'. Pointed, hot, Shanghai.
391564. *CAPSICUM FRUTESCENS* L. Redpepper.
'Hsien-la-tzu'. Northwest College of Agriculture, Sian, Shensi Province.
- 391565 and 391566. *CASTANEA MOLLISSIMA* Blume Fagaceae.
Hairy Chinese chestnut.
391565. 'Ming-chien'. Northwest College of Agriculture, Sian, Shensi Province.
391566. 'T'ien-tan'. Northwest College of Agriculture, Sian, Shensi Province.

391538 to 391684—Continued

391567. *CROTALARIA JUNCEA* L. Leguminosae. Sunhemp.
'Tai-yang-ma'. Northwest College of Agriculture, Sian, Shensi Province.
- 391568 to 391573. *CUCUMIS SATIVUS* L. Cucurbitaceae. Cucumber.
391568. 'Er-ch'ing'. Association of Agriculture and Forestry, Canton Branch.
391569. 'Honan-t'zu-kua'. Association of Agriculture and Forestry, Peking.
391570. 'Ning-ch'ing'. Association of Agriculture and Forestry, Canton Branch.
391571. 'Nanking tz'u huang-kua' (Nanking thorny). Kiangsu Province Agricultural Sciences Research Institute, Nanking.
391572. 'Ping-li-huang-you-t'iao'. Northwest College of Agriculture, Sian, Shensi Province.
391573. 'Tza-hsuan #1'. Northwest College of Agriculture, Sian, Shensi Province.
391574. *CUCUMIS* sp.
'Chung-tu-pai-kua'. White melon. Association of Agriculture and Forestry, Canton Branch.
391575. *CYCLAMEN* sp. Primulaceae.
'T'u-tzu-hua'. Shanghai. Local name "rabbit plant".
391576. *DIANTHUS CHINENSIS* L. Caryophyllaceae.
'Ai-shih-chu'. Dwarf type. Shanghai.
- 391577 to 391597. *GLYCINE MAX* (L.) Merr. Leguminosae. Soybean.
391577. 'Ch'a-ye-sheng-tou'. Kirin Branch, Academy of Agricultural and Forestry Sciences. Indeterminate, viny growth habit. Plants average 120 cm. Growing period 130 days. 100 seed average 7 grams. Wild.
391578. 'Chien-e-tou'. Kirin Branch, Academy of Agricultural and Forestry Sciences. Indeterminate, few branches. Plant height 80 to 90 cm. Growing period 128 days. 100 seed average 18 grams. Kirin Province bred.
391579. 'Chi-t'i #3'. Kirin Branch, Academy of Agricultural and Forestry Sciences. Indeterminate, few branches. Plant height about 100 cm. Growing period 135 days. 100 seed average 23 grams. Bred line selection.
391580. 'Chi-t'i #5'. Kirin Branch, Academy of Agricultural and Forestry Sciences. Indeterminate, strong branching ability. Plant height above 80 cm. Growing period 120 days. 100 seed average 22 to 24 grams. Bred line selection.
391581. 'Kirin #4'. Hybrid. Kirin Branch, Academy of Agricultural and Forestry Sciences. Indeterminate, few branches. Plant height 90 to 100 cm. Growing period 128 days. 100 seed average 20 grams.
391582. 'Kirin #5'. Hybrid. Kirin Branch, Academy of Agricultural and Forestry Sciences. Indeterminate, few branches. Plant height 120 cm. Growing period 135 days. 100 seed average 20 grams.
391583. 'Kirin #10'. Hybrid. Kirin Branch, Academy of Agricultural and Forestry Sciences. Determinate, relatively few branches. Plant height about 80 cm. Growing period 126 days. 100 seed average 16 grams.
391584. 'Kirin #11'. Hybrid. Kirin Branch, Academy of Agricultural and Forestry Sciences. Indeterminate, few branches. Plant height about 80 cm. Growing period 120 days. 100 seed average 16 grams.
391585. 'K'oupeh'ien-tou'. Kirin Branch, Academy of Agricultural and Forestry Sciences. Indeterminate, few branches. Plant height 80 to 90 cm. Growing period 125 days. 100 seed average 18 grams. Kirin Province bred.
391586. 'Ping-ting-hsiang'. Kirin Branch, Academy of Agricultural and Forestry Sciences. Indeterminate, few branches. Plant height about 100 cm. Growing period 140 days. 100 seed average 18 to 20 grams. Liaoning Province bred.

391538 to 391684—Continued**391577 to 391597—Continued**

391587. 'Ye-sheng-tou'. Kirin Branch, Academy of Agricultural and Forestry Sciences. Indeterminate, viny growth habit. Plant height 140 cm. Growing period 130 days. 100 seed average 14 grams. Wild.
391588. 'Hei-nung #10'. Heilungkiang. Association of Agriculture and Forestry, Peking.
391589. 'Hei-nung #ng.
391590. 'Kirin #3'. Kirin. Association of Agriculture and Forestry, Peking.
391591. 'Kirin #4'. Kirin. Association of Agriculture and Forestry, Peking.
391592. 'Kirin #5'. Kirin. Association of Agriculture and Forestry, Peking.
391593. 'Kirin #6'. Kirin. Association of Agriculture and Forestry, Peking.
391594. 'Kirin #8'. Kirin. Association of Agriculture and Forestry, Peking.
391595. 'Kirin #10'. Kirin. Association of Agriculture and Forestry, Peking.
391596. 'Tzao-feng #1'. Kirin. Association of Agriculture and Forestry, Peking.
391597. 'Niu-mao-huang'. Northwest College of Agriculture, Sian, Shensi Province.
391598. *GOSSYPIUM HIRSUTUM* L. Malvaceae. **Upland cotton.**
'Kiangsu-mien #1'. Kiangsu Province Agricultural Sciences Research Institute, Nanking. Hybrid resulting from interspecies cross.
- 391599 and 391600. *JUGLANS REGIA* L. Juglandaceae. **Persian walnut.**
391599. 'Ke-nien-ho-t'ao'. Kiangsu Province Agricultural Sciences Research Institute, Nanking.
391600. 'Ta-mien-jen'. Kiangsu Province Agricultural Sciences Research Institute, Nanking.
391601. *LACTUCA SATIVA* L. Compositae. **Lettuce.**
'Chi-kua-sun'. Association of Agriculture and Forestry, Peking. "Stem" lettuce.
391602. *LAGENARIA LEUCANTHA* (Duchesne) Rusby Cucurbitaceae. **Calabash-gourd.**
'Chang-hu-kua'. Northwest College of Agriculture, Sian, Shensi Province.
391603. *LUFFA* sp. Cucurbitaceae.
'Tsao-shu-pang-ssu-kua'. Association of Agriculture and Forestry, Peking. Early ripening.
- 391604 to 391617. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**
391604. '524 Ta-hung'. Kiangsu Province Agricultural Sciences Research Institute, Nanking. Large red fruit.
391605. 'Hei-yuan #3'. Association of Agriculture and Forestry, Peking. Heilungkiang Province.
391606. 'Kirin-ta-t'ao'. Association of Agriculture and Forestry, Peking. Kirin Province.
391607. 'Nung-ta #23'. Association of Agriculture and Forestry, Peking.
391608. 'Nung-ta #24'. Association of Agriculture and Forestry, Peking.
391609. 'Pai-liang-huang'. Association of Agriculture and Forestry, Peking.
391610. 'Ta-huang #1'. Association of Agriculture and Forestry, Peking.
391611. 'Tsao-fen #2'. Association of Agriculture and Forestry, Peking.
391612. '35-26'. Association of Agriculture and Forestry, Peking.

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391613. '71-23 fen'. Association of Agriculture and Forestry, Peking.
 391614. '74-1 H.F1'. Association of Agriculture and Forestry, Peking.
 391615. '72-2 H.F1'. Association of Agriculture and Forestry, Peking.
 391616. 'Chu-huang-fang-ch'ieh'. Shanghai. Orange colored fruit.
 391617. 'Ta-yuan-ch'ieh'. Northwest College of Agriculture, Sian, Shensi Province.

391618. *MALVA* sp. Malvaceae.
 'Chin-k'uei'. Shanghai.

391619. *MEDICAGO SATIVA* L. Leguminosae. Alfalfa.
 'Tzu-hua-mu-shu'. Northwest College of Agriculture, Sian, Shensi Province.

391620 to 391622. *NICOTIANA TABACUM* L. Solanaceae. Tobacco.

391620. 'Chin-hsing 6007'. Association of Agriculture and Forestry, Peking. Shantung Province.

391621. 'Ke-shin #1'. Association of Agriculture and Forestry, Peking. Shantung Province.

391622. 'Lan-ch'ii #1'. Association of Agriculture and Forestry, Peking. Shantung Province.

391623 and 391624. *OORYZA SATIVA* L. Gramineae. Rice.

391623. 'King-feng #2'. Academy of Agricultural and Forestry Sciences, Peking.

391624. 'Tung-fang-hung' (The East is Red). Academy of Agricultural and Forestry Sciences, Peking.

391625 to 391629. *PHASEOLUS VULGARIS* L. Leguminosae. Common bean.

391625. 'Chia-ssu-chi-tou'. Association of Agriculture and Forestry, Peking.

391626. 'Shuang-chi-chia-tou'. Association of Agriculture and Forestry, Peking.

391627. 'Hsiao-ching-chia'. Northwest College of Agriculture, Sian, Shensi Province.

391628. 'Lao-lai-shao'. Northwest College of Agriculture, Sian, Shensi Province.

391629. 'Yenan-ts'ai-tou'. Northwest College of Agriculture, Sian, Shensi Province.

391630. *PISUM SATIVUM* L. Leguminosae. Pea.
 'Yi' ("One" pea). Association of Agriculture and Forestry, Canton Branch.

391631. *PRIMULA SINENSIS* Sabine Primulaceae.
 'Chung-kuo-ying-ts'ao'. Shanghai.

391632 and 391633. *RAPHANUS SATIVUS* L. Cruciferae. Radish.

391632. 'Chuan-hsin'. Red. Kiangsu Province Agricultural Sciences Research Institute, Nanking.

391633. 'Ta-hung-pao' (Big Red Robe). Academy of Agricultural and Forestry Sciences, Peking.

391634 to 391643. *SETARIA ITALICA* (L.) Beauv. Gramineae.

Foxtail millet.

391634. 'Hua-lien #1'. Kirin Branch, Academy of Agricultural and Forestry Sciences. Purple seedlings, early middle ripening. Comparatively poor straw quality. Strong adaptability to soil differences.

391538 to 391684—Continued**391634 to 391643—Continued**

391635. 'Kung-ku #29'. Kirin Branch, Academy of Agricultural and Forestry Sciences. Green seedlings, middle early ripening. 123 days from germination to maturity. Good straw quality.
391636. 'Kung-ku #31'. Kirin Branch, Academy of Agricultural and Forestry Sciences. Purple seedlings, middle early ripening. Resistant to drought during early growth period, weak resistance to moisture in later stages. Saline resistant.
391637. 'Kung-ku-hsin #2'. Kirin Branch, Academy of Agricultural and Forestry Sciences. Green seedlings, early middle ripening. Light "white hair disease," susceptible to rust.
391638. 'Pai-chan-Euk'. Kirin Branch, Academy of Agricultural and Forestry Sciences. Green seedlings, middle ripening. Glutinous variety.
391639. 'Kung-ku #6'. Association of Agriculture and Forestry, Peking.
391640. 'Kung-ku #29'. Association of Agriculture and Forestry, Peking.
391641. 'Kung-ku #31'. Association of Agriculture and Forestry, Peking.
391642. 'Kung-ku-hsin #7'. Association of Agriculture and Forestry, Peking.
391643. 'Pai-cha -ku'. Association of Agriculture and Forestry, Peking.
- 391644 to 391649. SOLANUM MELONGENA L. Solanaceae. Eggplant.
391644. 'Ch'i-ye-ch'ieh'. Association of Agriculture and Forestry, Peking.
391645. 'Chin-ye-ch'ieh'. Association of Agriculture and Forestry, Peking.
391646. 'Liu-ye-ch'ieh'. Association of Agriculture and Forestry, Peking.
391647. 'Niu-nai-ch'ieh'. Shanghai. Local name "Udder eggplant."
391648. 'Ta-yuan-ch'ieh'. Northwest College of Agriculture, Sian, Shensi Province.
391649. 'Wu-kung-ch'ieh'. Northwest College of Agriculture, Sian, Shensi Province.
- 391650 to 391655. SORGHUM BICOLOR (L.) Moench Gramineae. Sorghum.
391650. 'Hu #4'. Kirin Branch, Academy of Agricultural and Forestry Sciences. Plant height to 200 cm. Medium early, maturing in 125 days. Heads tight, 20 cm long. Grain oblong, dark brown, black husk. 1,000 grains average 23 grams.
391651. 'Hu #22'. Kirin Branch, Academy of Agricultural and Forestry Sciences. Plant height to 230 cm. Medium maturity, 130 days. Heads tight, 20 cm long. Grain oblong, dark brown, black husk. 1,000 grains average 23 grams.
391652. 'T'so 1MS'. Kirin Branch, Academy of Agricultural and Forestry Sciences. Plant height to 100 cm. Medium early, maturing in 120 to 125 days. Heads tight, 20 cm long. Grain round, red, red husk. 1,000 grains average 22 grams.
391653. 'T'so 1 B line'. Kirin Branch, Academy of Agricultural and Forestry Sciences. Plant height to 100 cm. Medium early, maturing in 120 to 125 days. Heads tight, 20 cm long. Grain round, red, red husk. 1,000 grains average 22 grams.
391654. '7313 R line'. Kirin Branch, Academy of Agricultural and Forestry Sciences. Plant height to 210 cm. Medium maturity, 130 days. Heads tight, 20 cm long. Much pollen. Grain oblong, dark brown, black husk. 1,000 grains average 23 grams. Completely restored.
391655. '7384 R line'. Kirin Branch, Academy of Agricultural and Forestry Sciences. Plant height to 200 cm. Medium early, maturing in 120 days. Heads tight, 20 cm long. Much pollen. Grain oblong, dark brown, black husk. 1,000 grains average 24 grams. Completely restored.

391538 to 391684—Continued

- 391656.** *VICIA SATIVA* L. Leguminosae. Common vetch.
'6625 Chien-she'. Kiangsu Province Agricultural Sciences Research Institute, Nanking. Green manure and forage crop. Autumn sown, growing season 230 to 240 days. May behave as perennial.
- 391657.** *VICIA VILLOSA* Roth Hairy vetch.
'T'sao tzu'. Kiangsu Province Agricultural Sciences Research Institute, Nanking. Annual or perennial green manure and forage crop. Autumn sown, 230 day growing period. Spring sown, 110 to 120 day growing period.
- 391658 and 391659.** *VIGNA SESQUIPEDALIS* (L.) Fruw. Leguminosae.
- 391658.** 'She-pai-tou'. Association of Agriculture and Forestry, Peking.
- 391659.** 'She-tou'. Snake bean. Association of Agriculture and Forestry, Canton Branch.
- 391660 to 391682.** *ZEA MAYS* L. Gramineae. Corn.
- 391660.** 'Chi-41'. Inbred. Kirin Branch, Academy of Agricultural and Forestry Sciences. Plant height 165 cm. Matures 130 to 135 days. Dent, 12-row, large light yellow kernels, red cob. Ears 22.5 cm long. 100 kernels average 23.5 grams. Very susceptible to *Helminthosporium*.
- 391661.** 'Chi-69'. Inbred. Kirin Branch, Academy of Agricultural and Forestry Sciences. Plant height 142 cm. Matures about 130 days. Flint type, 16 to 18 row, medium size kernels, red cob. Ears 16.5 cm long. 100 kernels average 27.6 grams. *Helminthosporium* infection light.
- 391662.** 'Kung 70'. Inbred. Kirin Branch, Academy of Agricultural and Forestry Sciences. Plant height 150 cm. Matures 135 to 138 days. Dent, 16-row, medium size, light yellow kernels, white cob. Ears 18 cm long. 100 kernels average 29 grams. Comparatively heavy *Helminthosporium* infection.
- 391663.** 'T'ieh 84'. Inbred. Kirin Branch, Academy of Agricultural and Forestry Sciences. Plant height 233 cm. Matures 135 days. Dent, 16-row, medium size light yellow kernels, white cob. Ears 16.6 cm long. 100 kernels average 30.2 grams. Medium *Helminthosporium* infection.
- 391664.** 'T'ieh 133'. Inbred. Kirin Branch, Academy of Agricultural and Forestry Sciences. Plant height 170 cm. Matures 125 to 130 days. Dent, 12 to 14 rows, yellow kernels, white cob. Ears 17.3 cm long. 100 kernels average 26.7 grams. Medium *Helminthosporium* infection.
- 391665.** 'Ying 55'. Inbred. Kirin Branch, Academy of Agricultural and Forestry Sciences. Plant height 195 cm. Matures 130 to 135 days. Dent, 12 to 14 rows, large orange-yellow kernels, red cob. Ears 19.1 cm long. 100 kernels average 30.2 grams. Medium susceptible to *Helminthosporium*.
- 391666.** 'Ying 64'. Kirin Branch, Academy of Agricultural and Forestry Sciences. Plant height 180 cm. Matures 130 days. Dent, 10-row, large yellow kernels, red cob. Ears 15.5 cm long. 100 kernels average 37.8 grams. Medium susceptible to *Helminthosporium*.
- 391667.** 'Chi 503'. Inbred. Association of Agriculture and Forestry, Peking. Kirin Province.
- 391668.** 'Chi 701'. Inbred. Association of Agriculture and Forestry, Peking. Kirin Province.
- 391669.** 'Feng 1B'. Inbred. Association of Agriculture and Forestry, Peking. Kirin Province.
- 391670.** 'Niu 11'. Inbred. Association of Agriculture and Forestry, Peking. Kirin Province.
- 391671.** 'T'ieh 13'. Inbred. Association of Agriculture and Forestry, Peking. Kirin Province.
- 391672.** 'Yang'. Inbred. Association of Agriculture and Forestry, Peking. Kirin Province.
- 391673.** 'Huang-pai-tan-chiao'. Single cross. Northwest College of Agriculture, Sian, Shensi Province.

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391674. 'Shen-tan #1'. Shensi single cross. Northwest College of Agriculture, Sian, Shensi Province.
391675. 'Shen-tan #5'. Shensi single cross. Northwest college of Agriculture, Sian, Shensi Province.
391676. 'Tuo 229'. Northwest College of Agriculture, Sian, Shensi Province.
391677. 'Tzu-chiao-hsi-wu 102'. Inbred. Northwest College of Agriculture, Sian, Shensi Province.
391678. 'Tzu-chiao-hsi-wu 105'. Inbred. Northwest College of Agriculture, Sian, Shensi Province.
391679. 'Tzu-chiao-hsi-wu 302'. Inbred. Northwest College of Agriculture, Sian, Shensi Province.
391680. 'Wu-tan-tzao'. Single cross, early ripening. Northwest College of Agriculture, Sian, Shensi Province.
391681. 'Wu-ting #1'. Single cross. Northwest College of Agriculture, Sian, Shensi Province.
391682. 'Ye-chi-hung'. Northwest College of Agriculture, Sian, Shensi Province.
- 391683 and 391684. ZIZIPHUS JUJUBA Mill. Rhamnaceae. Common jujube.
391683. 'Chin-tzao'. Northwest College of Agriculture, Sian, Shensi Province.
391684. 'Yuan-tzao'. Northwest College of Agriculture, Sian, Shensi Province.

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