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Plant Inventory No. 133

UNITED STATES DEPARTMENT OF AGRICULTURE

Washington, D. C. June 1948



PLANT MATERIAL INTRODUCED BY THE DIVISION OF PLANT EXPLORATION AND INTRODUCTION, BUREAU OF PLANT INDUSTRY,¹ OCTOBER 1 TO DECEMBER 31, 1937 (Nos. 124969 to 126493)

CONTENTS

	Page
Introductory statement-----	1
Inventory-----	3
Index of common and scientific names-----	81

INTRODUCTORY STATEMENT

This inventory, No. 133, records the plant material (Nos. 124969 to 126493) received by the Division of Plant Exploration and Introduction during the period October 1 to December 31, 1937.

With the definite purpose of studying wild tomato material in the field and of collecting whatever was available, particularly from plants believed to be truly wild, Dr. H. L. Blood, of the Utah Agricultural Experiment Station, and cooperating with the Division of Fruit and Vegetable Crops and Diseases, Bureau of Plant Industry, spent the last 2 months of 1937 in Peru, Bolivia, northern Argentina, and Chile, collecting not only this type of material but also cultivated tomatoes from native markets.

In addition to true tomatoes, he gathered seeds of various other non-tuberous solanaceous plants, including species of *Cyphomandra*, *Nicandra*, *Physalis*, and *Solanum*, which have been added to the working material of Department pathologists.

Since that time, many of his collections have been studied taxonomically and reported by C. H. Muller (Miscellaneous Publication No. 382, A Revision of the Genus *Lycopersicon*, July 1940); these include one new species, one new variety, and three new forms.

Pathologists have already published on the unusual characteristics of one of the wild tomatoes, *Lycopersicon hirsutum*, found by Dr. Blood. It is stated (Phytopathology 29: 757-759, 1939) that while making crosses between this wild species and the common tomato the discovery was made that *L. hirsutum* is apparently completely tolerant to tobacco mosaic and extremely resistant to fusarium wilt.

Contrary to many suppositions, Afghanistan is not entirely inaccessible if one may judge by the more than 900 introductions in this present inventory that are credited to the Bureau's agricultural explorer

¹ Now Bureau of Plant Industry, Soils, and Agricultural Engineering, Agricultural Research Administration, United States Department of Agriculture.

Walter Koelz. His instructions were essentially for the collection of materials in the field of vegetables, continuing the long program of obtaining essential breeding materials for this Bureau's Division of Fruit and Vegetable Crops and Diseases and its specialized programs, not only for the Southeastern States but for its specialists elsewhere.

With his customary thoroughness, Dr. Koelz has sent in not only vegetables but also unusual fruits and high-altitude cereals, which, because of their hardiness under difficult conditions, have been welcomed by Department specialists.

This inventory has been prepared under the supervision of Paul Russell, who has checked or identified the incoming seed materials and has verified the botanical nomenclature and descriptive notes.

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Division of Plant Exploration and
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tion, Beltsville, Md.*

INVENTORY

NOTE.—This inventory is a historical record of plant material introduced for Department and other specialists. It is not to be considered as a list of plant material for distribution.

124969-124971.

From the Philippine Islands. Plants presented by the Director of Forestry, Bureau of Plant Industry, Department of Agriculture and Commerce, Manila. Received October 9, 1937.

124969. *DENDROCALAMUS MERRILLIANUS* Elm. Poaceae. **Bamboo.**

A tall slender tree bamboo forming large clumps of smooth, thick-walled green culms, with prominent nodes and with descending linear leaves about 1 foot long. Native to the Philippine Islands.

124970. *DINOCHLOA SCANDENS* (Blume) O. Kuntze. Poaceae. **Zigzag bamboo.**

A thick-walled, climbing bamboo with several tough glossy stems up to 100 feet long and leathery linear leaves about 1 foot long. It forms impenetrable thickets in forests in the Philippines under favorable conditions. Native to the Malayan region.

124971. *SOHIZOSTACHYUM LUMAMPAO* (Blanco) Merr. Poaceae. **Bamboo.**

Buho. This thin-walled bamboo is the species chiefly utilized in making the building matting known as sawale. It is also used for making baskets, fences, fish corrals, fish poles, and flutes and for many other purposes. It is reported to have been investigated as a paper-making material and is said to be the one species of Philippine bamboo that, without extensive cultivation, promises commercial possibilities for this purpose.

For previous introduction see 74507.

124972-124973. *PRUNUS* spp. Amygdalaceae.

From China. Seeds collected by Capt. F. Kingdon Ward in Yunnan Province and presented by Sir Lionel de Rothschild, London, England. Received July 23, 1937.

124972. *PRUNUS* sp.

Reported to grow at 5,000 feet altitude. The fruits, which ripen in May, are sold in the markets in the southwestern part of Yunnan Province.

124973. *PRUNUS* sp.

Fruit large, dark, ripening in Yunnan in April and May. Sold in the markets.

124974-124975.

From Germany. Bulbs purchased from Karl Foerster, Bornim-Potsdam-Sanssouci. Received October 11, 1937.

124974. *COLCHICUM HUNGARICUM* Janka. Melanthiaceae.

A colchicum with 2 or sometimes 3 linear-lanceolate leaves 1 to 2 inches long at flowering time; later up to 8 inches long and recurved. The 1 to 8 pale-pink to white flowers have tubes about 1 inch long. Native to southern Europe.

124975. *STERNBERGIA LUTEA* (L.) Ker. Amaryllidaceae.

A low bulbous plant with 6 to 8 strap-shaped leaves becoming 1 foot long and 1 to 4 small yellow flowers about 1 inch long. Native to the Mediterranean region.

For previous introduction see 107144.

124976. *OPSIANDRA MAYA* O. F. Cook. Phoenicaceae. **Palm.**
 From Florida. Seeds collected at Coconut Grove by H. F. Loomis, Bureau of Plant Industry, United States Department of Agriculture. Received October 12, 1937.
 A palm growing in "The Kampong," residence of Dr. David Fairchild; originally grown from seed collected by O. F. Cook near Uxachtun, Department of Peten, Guatemala, in March 1922. It has a slender tapering trunk about 6 inches in diameter at the base, grows to a height of 60 or more feet, and is supported on a conical mass of thick roots. The few leaves, usually 5 or 6, are 8 to 9 feet long and have 90 pinnae on each side of the midrib. The flowers appear several joints below the leaves; the fruit is red and borne in clusters.
 This is the first time this species has fruited in the United States.
124977. *ABELMOSCHUS ESCULENTUS* (L.) Moench. Malvaceae. **Okra.**
 From Mexico. Seeds presented by J. Acuma Ordaz, Cerro Prieto, Sierra de Atoyac. Received October 12, 1937.
124978. *CHELONE LYONI* Pursh. Scrophulariaceae.
 From North Carolina. Plants presented by Mrs. G. Latta Clement, Nik-Nar Nursery, Biltmore Station, Asheville. Received October 14, 1937.
124979. *ANNONA SENEGALENSIS* Pers. Annonaceae.
 From Florida. Seeds presented by W. Paul Phillips, Orlando. Received October 19, 1937.
 A shrub or small tree, sometimes 20 feet high, native to both eastern and western tropical Africa. The oval, blue-green, leathery leaves are up to 5 inches long, and the orange-yellow, edible fruits, over 1 inch in diameter, contain an aromatic dark-red pulp which suggests that of the cherimoya of tropical America.
 For previous introduction see 124619.
- 124980-124981. *GOSSYPIUM*. Malvaceae. **Cotton.**
 From Puerto Rico. Seeds presented by Atherton Lee, Director, Agricultural Experiment Station, Mayaguez. Received October 2, 1937.
124980. *GOSSYPIUM*.
 Haitian Forbes-Barker cotton; type 36-8-34-5.
124981. *GOSSYPIUM*.
 Haitian Forbes-Barker cotton; type R-6-8-29.
124982. *ANTIDESMA PLATYPHYLLUM* H. Mann. Euphorbiaceae.
 From Cuba. Seeds presented by F. G. Walsingham, Atkins Institution of the Arnold Arboretum, Soledad, Cienfuegos. Received October 1, 1937.
 A tree 20 to 30 feet high, native to the Hawaiian Islands. The rather stiff, ovate to obovate leaves are 3 to 5 inches long, and the inconspicuous flowers are followed by compressed, suboblique reddish fruits about 1/8-inch long.
 For previous introduction see 101244.
- 124983-125003.
 From Turkey. Seeds presented by Bey Rursit R. Korol, Istanbul, through S. Walter Washington, Charge d'Affaires ad interim, Istanbul, through the Department of State, United States of America. Received October 8, 1937.
124983. *CEPHALARIA SYRIACA* (L.) Schrad. Dipsacaceae.
 Used to flavor bread.
 For previous introduction see 123279.
124984. *CICER ARIETINUM* L. Fabaceae. **Chickpea.**
124985. *CORIANDRUM SATIVUM* L. Apiaceae. **Coriander.**
 For previous introduction see 123037.
124986. *CUCURBITA PEPO* L. Cucurbitaceae. **Pumpkin.**
124987. *HELIANTHUS ANNUUS* L. Asteraceae. **Common sunflower.**

- 124988-124989. *HORDEUM VULGARE* L. Poaceae. Barley.
 124988. No. 1. 124989. No. 2.
- 124990-124991. *LENS CULINARIS* Medik. Fabaceae. Lentil.
 124990. No. 1. 124991. No. 2.
124992. *LINUM USITATISSIMUM* L. Linaceae. Flax.
 124993. *MEDICAGO SATIVA* L. Fabaceae. Alfalfa.
 124994. *PHASEOLUS VULGARIS* L. Fabaceae. Common bean.
 124995. *RAPHANUS SATIVUS* L. Brassicaceae. Radish.
 124996. *SECALE CEREALE* L. Poaceae. Rye.
 124997-125000. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.
 124997. A. 124999. C.
 124998. B. 125000. D.
- 125001-125003. *VICIA* spp. Fabaceae.
 125001. *VICIA ERVILIA* (L.) Willd. Vetch.
 125002. *VICIA FABA* L. Broadbean.
 125003. *VICIA SATIVA* L. Common vetch.
- 125004-125009. *BETA VULGARIS* L. Chenopodiaceae. Common beet.
- From France. Seeds presented by Vilmorin-Andrieux & Cie., Paris. Received October 5, 1937.
125004. *Rouge d'Eckendorf*. 125007. *Géante Rouge Demi-Sucrière*.
 125005. *Géante Blanche Demi-Sucrière*. 125008. *Jaune d'Eckendorf*.
 125006. *Géante Rose Demi-Sucrière*. 125009. *Jaune Géante de Vauriac*.
- 125010-125014.
- From Australia. Seeds presented by F. H. Baker, Richmond, Victoria. Received October 6, 1937.
- A collection of native Australian seeds.
125010. *ACACIA* sp. Mimosaceae.
 125011. *ACTINOTUS HELIANTHI* Labill. Apiaceae.
 New South Wales Flannel flower.
 125012. *EUCALYPTUS ERYTHROCOEYS* F. Muell. Myrtaceae.
 Usually a shrub 8 to 10 feet high, but sometimes a tree up to 30 feet high. The broadly linear, rigid leaves are 6 inches long, and the large flowers, in axillary clusters, have bright-red, fleshy caps over the buds; the long stamens are yellow. The ribbed, hemispherical fruits are 1 to 2 inches long. It is native to Western Australia.
 For previous introduction see 123773.
125013. *EUCALYPTUS MACROCARPA* Hook. Myrtaceae.
 A stout evergreen shrub or small tree up to 15 feet high, with thick rigid cordate glaucous leaves 6 inches long and large solitary, brilliant-orange or crimson flowers. Native to Western Australia.
 For previous introduction see 123775.
125014. *TELOPEA SPECIOSISSIMA* (J. E. Smith) R. Br. Proteaceae. Waratah.
 A very striking evergreen Australian shrub about 8 feet high, with irregular toothed, dark-green leaves 6 inches long and deep-crimson, tubular flowers about 1 inch long, borne in a dense globular head surrounded by blood-red bracts 2 or 3 inches in length. The shrub is the State flower of New South Wales.
 For previous introduction see 58512.

125015. *AMYGDALUS PERSICA* L. Amygdalaceae. **Peach.**
 From Michigan. Budsticks presented by the Michigan State Agricultural College, East Lansing. Received August 25, 1937.
Kalhaven peach.
- 125016-125024.
- From the Union of Soviet Socialist Republics. Plants presented by the Institute of Plant Industry, Leningrad. Received April 9, 1937.
- 125016-125019. *AMYGDALUS* spp. Amygdalaceae.
125016. *AMYGDALUS PERSICA* VAR. *PLATYCARPA* (Decaisne) Ricker. **Peach.**
Ranniaya.
125017. *AMYGDALUS PERSICA* VAR. *NECTARINA* Ait. **Nectarine.**
Sary Oilor.
125018. *AMYGDALUS PERSICA* L. **Peach.**
Inzhir Shaftali. No. 0647.
125019. *AMYGDALUS PERSICA* L. **Peach.**
- 125020-125024. *PRUNUS ARMENIACA* L. Amygdalaceae. **Apricot.**
125020. *Daravshak.* No. 487. 125023. *Khurmai.*
125021. *Bokhara.* No. 665T. 125024. *Mirzandzhali.* No. 01189.
125022. *Shirpaivan.* No. 01070.
- 125025-125035.
- From India. Plants collected by Walter Koelz, Bureau of Plant Industry, United States Department of Agriculture. Received May 14, 1937. Numbered in October 1937.
125025. *AMYGDALUS PERSICA* VAR. *PLATYCARPA* (Decaisne) Ricker. Amygdalaceae. **Peach.**
China Flat peach.
125026. *AMYGDALUS PERSICA* L. Amygdalaceae. **Peach.**
Large Agra peach.
- 125027-125028. *CITRUS LIMON* (L.) Burm. f. Rutaceae. **Lemon.**
125027. *Kaghzi Long.* 125028. *Seedless.*
125029. *MALUS SYLVESTRIS* Mill. Malaceae. **Apple.**
 Unnamed local variety.
- 125030-125035. *PRUNUS* spp. Amygdalaceae.
125030. *PRUNUS* sp. 125031. *PRUNUS* sp.
 Early large red plum. A large yellow plum.
125032. *PRUNUS* sp.
Alacha. A purple plum of the *Prunus bokhariensis* type.
125033. *PRUNUS* sp.
Alubokhara. A large plum of the *Prunus bokhariensis* type.
125034. *PRUNUS* sp. 125035. *PRUNUS* sp.
Dwarf Early Yellow plum. *Ladakh* plum.
- 125036-125038.
- From Australia. Seeds presented by Dr. A. McTaggart, Senior Research Officer, Division of Plant Industry, Canberra. Received October 11, 1937.
125036. *CASUARINA TORULOSA* Ait. Casuarinaceae.
 An Australian evergreen tree 50 to 75 feet high, with erect, mostly terete, branches. The close-grained, prettily marked wood is used as veneer for cabinet work; also for shingles.
 For previous introduction see 101608.

125037. *CYCAS MEDIA* R. Br. Cycadaceae.

An Australian cycad with a trunk up to 20 feet high and rarely branching. The pinnate leaves are 2 to 4 feet or more long, with many pinnae up to 8 inches long.

125038. *MACROZAMIA MIQUELII* (F. Muell.) A. DC. Cycadaceae.

A cycad 6 to 8 feet high with pinnate leaves 2 to 4 feet long; the many pinnae are up to 10 inches long or more. Native to Australia.

125039-125066. Poaceae.

Grass.

From Nevada. Seeds collected under the direction of W. A. Archer, Bureau of Plant Industry, United States Department of Agriculture. Received October 15, 1937.

A collection of native grasses. The I. P. numbers are those of the Indian Plant Project.

125039. *AGROPYRON DASYSTACHYUM* (Hook.) Scribn.

I. P. 6629. A perennial grass up to 2 feet high, with creeping rhizomes.

For previous introduction see 115292.

125040. *AGROPYRON SPICATUM* (Pursh) Scribn. and Smith.

I. P. 5143.

125041-125045. *BROMUS* spp.

125041. *BROMUS COMMUTATUS* Schrad.

Hairy chess.

I. P. 5114.

125042-125045. *BROMUS MARGINATUS* Nees.

A perennial grass of some value for grazing, growing on alluvial soils under very dry conditions.

For previous introduction see 106425.

125042. I. P. 4877.

125044. I. P. 5723.

125043. I. P. 4879.

125045. I. P. 7073.

125046. *DESCHAMPSIA DANTHONIOIDES* (Trin.) Munro.

Annual hairgrass.

I. P. 3893.

125047-125048. *ELYMUS CONDENSATUS* Presl.

Giant wild-rye.

125047. I. P. 5753.

125048. I. P. 6372.

125049. *FESTUCA ELATIOR* L.

Meadow fescue.

I. P. 2711.

125050. *FESTUCA KINGII* Cassidy.

Spike fescue.

I. P. 6691.

125051. *GLYCERIA ELATA* (Nash) Hitchc.

Tall mannagrass.

I. P. 6692.

125052. *HORDEUM JUBATUM* L.

Foxtail barley.

I. P. 6612.

125053. *MELICA STRICTA* Boland.

Rock melic.

I. P. 1423.

125054. *MUHLENBERGIA ASPERIFOLIA* (Nees and Mey.) Parodi.

Scratchgrass.

I. P. 6611.

125055-125059. *ORYZOPSIS HYMENOIDES* (Roem. and Schult.) Ricker.

Indian ricegrass.

125055. I. P. 1424.

125058. I. P. 2525.

125056. I. P. 3699.

125059. I. P. 6709.

125057. I. P. 4849.

- 125060-125061. *POA NEVADENSIS* Vasey. Nevada bluegrass.
 125060. I. P. 2785. 125061. I. P. 4848.
125062. *POLYPOGON MONSPELIENSIS* (L.) Desf.
 I. P. 6613.
- 125063-125064. *SITANION HYSTRIX* (Nutt.) J. E. Smith.
 125063. I. P. 2519. 125064. I. P. 5749.
125065. *STIPA COMATA* Trin. and Rupr.
 I. P. 1425.
 For previous introduction see 106443.
125066. *STIPA THURBERIANA* Piper.
 I. P. 2524.
- 125067-125069. *SOLANUM TUBEROSUM* L. Solanaceae. Potato.
 From Poland. Tubers collected by Martin Bilon, Bureau of Plant Industry,
 United States Department of Agriculture. Received October 12, 1937.
125067. A pink potato. 125069. A white potato.
 125068. An early pinkish potato.
- 125070-125073. *GOSYPIUM*. Malvaceae. Cotton.
 From Australia. Seeds presented by the Department of Agriculture and Stock,
 Brisbane, Queensland, at the request of the Empire Cotton Growing Corpo-
 ration. Received October 11, 1937.
125070. *Durango*. DB-30-16-4-1-0-X.0.0.0. 125072. *Lone Star*. No. 34.
 125071. *Lone Star*. No. 33-S. 125073. *Lone Star*. No. 25.
- 125074-125076. *HEDERA HELIX* L. Araliaceae. English ivy.
 From England. Plants purchased from J. Jefferies & Son, Ltd., Royal Nurseries,
 Cirencester. Received October 20, 1937.
125074. Var. *Lee's Silver*. 125076. Var. *New Bronze*.
 125075. Var. *Discolor*.
- 125077-125079. *PRUNUS* spp. Amygdalaceae.
 From Maryland. Scions collected at the United States Plant Introduction Gar-
 den, Glenn Dale, February 13, 1934. Numbered in October 1937.
- The trees from which these scions were taken were originally received from
 Collingwood Ingram, Benenden, Kent, England, in 1930.
125077. *PRUNUS SERRULATA* Lindl. Oriental cherry.
Tai-haku.
125078. *PRUNUS SERRULATA* Lindl. Oriental cherry.
Ingram.
125079. *PRUNUS SIEBOLDII* (Carr.) Wittmack. Siebold cherry.
Takasago.
- 125080-125081.
 From the Canal Zone. Seeds presented by Walter R. Lindsay. Acting Director,
 Canal Zone Experiment Gardens, Summit. Received October 21, 1937.
125080. *ANNONA MURICATA* L. Annonaceae. Soursop.
 A large-fruited variety.
 For previous introduction see 114419.
125081. *ANNONA PURPUREA* Moc. and Sesse. Annonaceae. Soncoya.
 This species, native to Mexico and Central America, is considered of possible
 interest as a stock for choicer species of *Annona*. The fruits, 5 or 6 inches in
 diameter, contain orange-colored flesh of good flavor, but are rarely eaten,
 except by the natives, because the flesh is coarse and filled with large seeds.
 For previous introduction see 91569.

- 125082-125095. TRITICUM AESTIVUM L.** Poaceae. **Common wheat.**
From France. Seeds presented by Vilmorin-Andrieux & Cie., Paris. Received October 25, 1937.
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| 125082. <i>Allies.</i> | 125089. <i>Joncquois.</i> |
| 125083. <i>Bon Fermier.</i> | 125090. <i>Paix.</i> |
| 125084. <i>Bordier.</i> | 125091. <i>Tresor.</i> |
| 125085. <i>Chanteclair.</i> | 125092. <i>Vilmorin 23.</i> |
| 125086. <i>Dattel.</i> | 125093. <i>Vilmorin 27.</i> |
| 125087. <i>Hatif Inversable.</i> | 125094. <i>Vilmorin 29.</i> |
| 125088. <i>Ile de France.</i> | 125095. <i>Bon Maulin.</i> |
- 125096. CANAVALIA ENSIFORMIS (L.) DC.** Fabaceae. **Jackbean.**
From Cuba. Seeds presented by Coert de Bois, American consul general, Habana. Received October 15, 1937.
- 125097. SORGHUM VULGARE Pers.** Poaceae. **Sorghum.**
From the Union of South Africa. Seeds presented by the American consul general, Johannesburg. Received October 22, 1937.
Wintersome. Used as a winter forage crop.
- 125098-125099. SACCHARUM.** Poaceae. **Sugarcane.**
From Barbados, British West Indies. Cuttings presented by S. J. Saint, Director of Agriculture, Bridgetown. Received October 27, 1937.
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| 125098. B-30-13. | 125099. B-32-34. |
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- 125100. HAEMANTHUS FILIFLOBUS Baker.** Amaryllidaceae. **Bloodlily.**
From Africa. Bulbs purchased from the Mount Elgon Nurseries, Kitale, Kenya Colony, British East Africa. Received October 28, 1937.
A bloodlily closely related to *Haemanthus multiflorus*. The leafy stem, about 1 foot long, bears about 6 large oblong leaves with clasping petioles and blades almost 1 foot long. The small, bright-red, tubular flowers, nearly 1 inch across, are in a dense umbel 5 to 6 inches in diameter, borne on a lateral upright scape 1 foot high. Native to tropical Africa.
- 125101. ARACHIS HYPOGAEA L.** Fabaceae. **Peanut.**
From Colombia. Seeds presented by Dr. M. J. Rivero, Estacion Agricola Experimental, Palmira. Received October 29, 1937.
Muzo.
- 125102. AMYGDALUS COMMUNIS L.** Amygdalaceae. **Almond.**
From Morocco. Trees presented by H. Brayard, Directeur, Station Experimentale, Marrakech. Received April 9, 1936. Numbered in October 1937.
No. 33. P-1.
- 125103-125104. AMYGDALUS PERSICA L.** Amygdalaceae. **Peach.**
From New Jersey. Trees presented by Dr. M. A. Blake, Agricultural Experiment Station, New Brunswick. Received November 23, 1936. Numbered in October 1937.
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|--------------------------|--------------------------|
| 125103. <i>Primrose.</i> | 125104. <i>Ambergem.</i> |
|--------------------------|--------------------------|
- 125105-125106. PRUNUS spp.**
From Morocco. Trees presented by H. Brayard, Directeur, Station Experimentale, Marrakech. Received April 8, 1936. Numbered in October 1937.
- 125105. PRUNUS ARMENICA L.** Amygdalaceae. **Apricot.**
No. 14. *Particolare.*
- 125106. PRUNUS AVIUM L.** Amygdalaceae. **Sweet cherry.**
No. 41. *Bigareau Hatif de Burlat.*

125107. *PRUNUS DOMESTICA* L. Amygdalaceae. **Common plum.**

From New York. Scions presented by Dr. H. Wellington, New York Experiment Station, Geneva. Received January 11, 1932. Numbered in November 1937.

Hall.

125108. *JATROPHA* sp. Euphorbiaceae.

From Mexico. Roots presented by Mrs. G. M. Clark, Tolosa, Oaxaca. Received November 2, 1937.

Barbasco.

125109-125114.

From the Union of South Africa. Seeds presented by the McGregor Museum, Kimberley. Received October 25, 1937.

125109. *ALOE DAVYANA* Schoenland. Liliaceae.

A stemless aloe with 12 to 14 broadly ovate, prickly leaves about 15 inches long in a dense rosette; the upper leaf surface is light green, sometimes reddish in the upper half, with transverse dark-green bands. The simple or one- to two-forked raceme, about 2 feet high, bears many yellowish-red flowers about 1 inch long. Native to South Africa.

125110. *ALOE GLOBULIGEMMA* Pole Evans. Liliaceae.

A stemless succulent with a rosette of erect-spreading, sword-shaped leaves 1 to 2 feet long, having cartilaginous wavy-toothed margins. The flower stalk, 3 to 4 feet high, carries a dense raceme a foot long, of tubular flowers that are globular and red in the bud, becoming elongated and sulfur-yellow tinged with red at the base. It is native to South Africa.

For previous introduction see 111229.

125111. *CLEMATIS* sp. Ranunculaceae.

Received under the name "burchellii," for which a place of publication has not been found.

125112. *DIGITARIA ERIANTHA* var. *STOLONIFERA* Stapf. Poaceae.

Wooly fingergrass.

A dry-land grass, native to South Africa. It prefers a loose sandy soil, but is also found in the hard red soil and occasionally in black turf. It is very palatable to stock of all kinds as green herbage and in winter as hay.

For previous introduction see 77998.

125113. *PENNISSETUM CILIARE* (L.) Link. Poaceae.

Grass.

A perennial grass with ascending stems up to 2 feet long. Native to South Africa.

For previous introduction see 110266.

125114. *RHUS VIMINALIS* Ait. Anacardiaceae.

Sumac.

Karre Boom. An evergreen tree up to 30 feet high, native to South Africa in semiarid regions at over 4,000 feet altitude. Sheep and goats browse on the foliage.

For previous introduction see 119293.

125115-125120. *ANTIRRHINUM*. Scrophulariaceae.

From Germany. Seeds presented by Dr. F. Gruber, Kaiser Wilhelm Institut für Züchtungsforschung, Müncheberg Mark. Received October 29, 1937.

125115. *Benajoan.* 20245×20244.

125116. *Figueira.* 22296×22292.

125117. *Lucena.* 22210×36/21 c LV.

125118. *Pampaneira Kahl.* 22098×22099.

125119. *Torcal.* 37/25 XIX×37/25 XIII.

125120. *Troia.* 20442×20441.

125121. *LACTUCA VIROSA* L. Cichoriaceae.

From the Netherlands. Seeds presented by Dr. Th. J. Stomps, Director, Botanic Garden of the University of Amsterdam, Amsterdam. Received October 29, 1937.

A biennial lettuce with a long fusiform root and a tall leafy stem branched at the base. The sagittate, cordate, ovate-oblong leaves are spiny, and the sulfur-yellow flowers are in cylindrical heads. Native to rocky places in central and southern Europe.

For previous introduction see 115528.

125122. *CUSPIDARIA PTEROCARPA* DC. Bignoniaceae.

From Brazil. Seeds presented by P. H. Rolfs, Escola Superior de Agricultura a Veterinaria, Viçosa, Minas Geraes, through L. C. Corbett, Bureau of Plant Industry, United States Department of Agriculture. Received November 1, 1937.

A plant native in the vicinity of Lavras, Minas Geraes, where it climbs over trees and fences. The flowers vary in color from lavender to pale reddish pink.

125123-125125. *RUBUS* spp. Rosaceae.

From Java. Seeds presented by 's Lands Plantentuin, Buitenzorg. Received November 1, 1937.

125123. *RUBUS* sp.

A variety with edible fruits.

For previous introduction see 121630.

125124. *RUBUS MOLUCCANUS* L.

A tall-growing bramble with attractive foliage and an abundance of sour, purplish fruits.

For previous introduction see 115010.

125125. *RUBUS ROSAEFOLIUS* J. E. Smith.

Roseleaf raspberry.

A raspberry native to southeastern Asia and evergreen in the Tropics. The hairy stems are 3 to 6 feet high, the pinnately compound leaves are made up of 2 to 7 pairs of ovate, sharply serrate leaflets, and the white flowers, 1 to 2 inches across, are in small clusters and are followed by erect, bright-red, thimble-shaped fruits nearly 2 inches long, edible but insipid.

For previous introduction see 114149.

125126. *CARICA PAPAYA* L. Papayaceae.

Papaya.

From Mexico. Seeds presented by Dr. C. A. Purpus, Zacuapam, Huatusco, Veracruz. Received November 2, 1937.

A large fruit, bronze red and very sweet.

125127. *LACTUCA VIROSA* L. Cichoriaceae.

From England. Seeds presented by Sir Arthur W. Hill, Director, Royal Botanic Gardens, Kew. Received November 4, 1937.

For previous introduction and description see 125121.

125128. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

From Australia. Seeds presented by the University of Sydney, Sydney, New South Wales. Received November 9, 1937.

Gaya wheat, W. 277.

125129. *BOWENIA SERRULATA* (André) Chamberl. Cycadaceae.

From Australia. Seeds collected by H. G. Simmons, curator, Botanic Gardens, Rockinghampton, Queensland, and presented through A. McTaggart, Senior Research Officer, Division of Plant Industry, Canberra. Received November 8, 1937.

A cycad, similar in general habit to *Zamia*, with bipinnate leaves, 3 to 6 feet long, arising from a thick trunk scarcely rising above the ground. The serrate leaflets are about 1 foot long. Native to Queensland, Australia.

125130. LACTUCA VIROSA L. Cichoriaceae.

From Sweden. Seeds presented by Dr. Robert E. Fries, Director, Botanic Garden, Stockholm. Received November 8, 1937.

For previous introduction and description see 125127.

125131. CASTANOPSIS JAVANICA (Blume) A. DC. Fagaceae.

From the Philippine Islands. Seeds presented by the Bureau of Forestry, Department of Agriculture and Commerce, Manila. Received November 8, 1937.

A large handsome evergreen tree with oblong entire leaves up to 10 inches long. Native to the East Indies.

125132. AVENA STERILIS L. Poaceae.**Animated oats.**

From Algeria. Seeds presented by the Institut Agricole d'Algerie, Maison-Carrée, Station de Semences et d'Amelioration des Plantes, Algiers.

No. 912.

125133-125154.

From New Zealand. Seeds purchased from Mrs. R. T. Richards, Round Top, Windwhistle, Canterbury. Received November 6, 1937.

A collection of plants, native to New Zealand.

125133. ARTHROPODIUM CANDIDUM Raoul. Liliaceae.

A tufted herbaceous perennial 3 to 14 inches high, with very narrow, linear, grasslike leaves 2 to 10 inches long and few to many small white flowers each $\frac{1}{2}$ inch across, on a slender scape. Native to New Zealand from sea level to 3,500 feet altitude.

125134. ARTHRODIUM CANDIDUM Raoul. Liliaceae.

Introduced under the varietal name "maculosum," for which a place of publication has not been found.

125135. BULBINELLA HOOKERI (Colenso) Cheeseman. Liliaceae.

A perennial herb related to the asphodels, varying in size from 2 to 3 feet. The numerous glaucous green leaves are linear, and the loose racemes of bright-yellow flowers are on slender scapes up to 10 inches long.

For previous introduction see 97597.

125136. CARMICHAELIA GRANDIFLORA (Benth.) Hook. f. Fabaceae.

An erect or spreading, much-branched evergreen shrub 2 to 8 feet high, usually leafy, but leafless in exposed positions. The leaves are numerous, pinnately 3-foliolate to 5-foliolate, and silky pubescent when young. The small purplish flowers are in lax racemes 1 inch long.

For previous introduction see 89219.

125137. CARMICHAELIA GRANDIFLORA DIVARICATA Kirk. Fabaceae.

Differs from the type in its right-angled branching and in the slightly smaller flowers.

125138. CARMICHAELIA NANA (Benth.) Colenso. Fabaceae.

A dwarf leafless shrub forming matted patches 2 to 4 inches high, with few-flowered racemes of small purplish-red flowers.

125139. COTULA AUSTRALIS (Sieb.) Hook. f. Asteraceae.

A slender soft-hairy perennial with pinnate leaves and small yellow flower heads. Native to New Zealand and also to temperate Australia.

125140. COTULA PYRETHRIFOLIA Hook. f. Asteraceae.

A creeping herbaceous perennial with fleshy or leathery pinnatifid leaves and flower heads $\frac{3}{4}$ inch or less in diameter.

125141. FUCHSIA EXCOETICATA (Forst.) L. f. Onagraceae.

A shrub or small tree with ovate-lanceolate or lanceolate leaves 2 to 5 inches long and solitary, pendulous green and purple flowers.

125142. FUCHSIA PROCUMBENS R. Cunn. Onagraceae. Trailing fuchsia.

A slender prostrate shrub with small ovate or cordate leaves and fragrant yellowish green flowers about $\frac{1}{2}$ inch long. Native to sandy or rocky places.

For previous introduction see 97611.

125143. GAULTHERIA ANTIPODA Forst. f. Ericaceae.

An erect or prostrate evergreen shrub from a few inches high (at high altitudes) to 4 feet high in the lowlands. The leaves are small, orbicular to oblong-lanceolate, and the small white or red flowers are followed by berrylike fruits about $\frac{1}{2}$ inch in diameter.

125144. GAULTHERIA DEPRESSA Hook. f. Ericaceae.

A prostrate evergreen shrub with small orbicular to oblong-lanceolate leaves and small flowers followed by white or red berries.

125145. GAULTHERIA PERPLEXA T. Kirk. Ericaceae.

A small evergreen shrub, often procumbent, with narrow leaves up to $\frac{1}{2}$ inch long and small solitary flowers.

125146. LIBERTIA IXIOIDES (Forst. f.) Spreng. Iridaceae.

A perennial herb with a short creeping rhizome which forms a compact clump like a beardless iris. It has rigid coriaceous linear leaves 1 foot long and large panicles of small white flowers on a stem 2 feet high.

For previous introduction see 113773.

125147. NOTOSPARTIUM CARMICHAELIAE Hook. f. Fabaceae.

A beautiful moderate-sized leguminous shrub with leafless broomlike branches on which the short racemes of pink or purplish flowers are freely produced.

For previous introduction see 101148.

125148. NOTOSPARTIUM GLABRESCENS Petrie. Fabaceae.

A small pendulous round-headed leafless tree with racemes, 1 to 2 inches long, of many small purplish flowers.

125149. NOTOSPARTIUM TORULOSUM T. Kirk. Fabaceae.

A leafless, pendulous shrub 3 to 8 feet high, with short racemes of 3 to 10 small purple flowers.

125150. RUBUS AUSTRALIS Forst. f. Rosaceae.

A tall climbing rubus with leathery variable-shaped leaves and large panicles of white flowers, followed by small red fruits.

For previous introduction see 11505.

125151. RUBUS CISSOIDES A. Cunn. Rosaceae.

A dense, rambling unarmed shrub with 3- to 5-foliolate leaves and yellowish-white flowers, followed by orange-red fruits. It is related to *Rubus australis*.

125152. RUBUS PARVUS J. Buch. Rosaceae.

A dwarf prostrate shrub with leathery leaves and red juicy oblong fruits $\frac{1}{2}$ -inch long.

125153. RUBUS SCHMIDELIODES A. Cunn. Rosaceae.

A scrambling or climbing shrub with 3- to 5-foliolate leaves that have coriaceous, broadly cordate-serrate leaflets 2 to 4 inches long. The small white flowers, in panicles 2 to 3 inches long, are followed by pale-yellow edible fruits about $\frac{1}{2}$ -inch in diameter.

For previous introduction see 101152.

125154. VIOLA CUNNINGHAMII Hook. f. Violaceae.

A New Zealand violet with ovate leaves, tufted on short stems, and white flowers usually streaked with lilac and yellow.

125155. AMYGDALUS PERSICA var. NECTARINA Ait. Amygdalaceae. Nectarine.

From California. Plants growing at the United States Plant Introduction Garden at Chico. Numbered November 11, 1937.

A seedling of P. I. 88097, which was collected in the valley of the Amu Darya in Turkmenia, Soviet Union.

125156-125167. PHASEOLUS spp. Fabaceae.

From Morocco. Seeds presented by H. Brayard, Direction Generale de l'Agriculture du Commerce et de la Colonisation, Casa Blanca. Received November 9, 1937.

125156. PHASEOLUS COCCINEUS L.

Scarlet runner bean.

De Prague Marbré à Tier Longues Casses.

125157-125167. PHASEOLUS VULGARIS L.

Common bean.

125157. *Baraquet.*125163. *Mangetout Chaudia.*125158. *Beurre Nain Crayon.*125164. *Prédome à Rames.*125159. *Blance de Juillet à Rames.*125165. *Roi des Marchis.*125160. *Fin de Brignols.*125166. *Triomphe de Alger.*125161. *Le Cabannais.*125167. *Beurre Nain Chaute.*125162. *Maircan.*

125168-125171.

From Cuba. Seeds presented by F. G. Walsingham, Atkins Institution of the Arnold Arboretum, Soledad, Cienfuegos. Received November 9, 1937.

125168. DIPHYSA ROBINIODES Benth. Fabaceae.

Presented by the Forestry Department, Habana, Cuba. An evergreen shrub or small tree sometimes over 20 feet high, with pinnate leaves and numerous rather large yellow flowers in racemose clusters. Native to Central America.

For previous introduction see 124870.

125169. GUAIACAC OFFICINALE L. Zygophyllaceae.

Lignumvitae.

Presented by the Forestry Department, Habana, Cuba. An evergreen tree up to 30 feet high, native to tropical America. The pinnate leaves are made up of 4 to 6 obovate leaflets 2 inches long, and the small blue flowers are in terminal clusters. The yellow-brown wood is very hard and heavy and is valued for hubs, cogs, and pulleys.

For previous introduction see 99011.

125170-125171. LOBELIA GIBBEROA Hemsl. Campanulaceae.

Presented by the Jardin Colonial de Laeken, Brussels, Belgium. A woody lobelia up to 25 feet high, with a palmlike habit, crowded oblong-obovate or lanceolate leaves about 1½ feet long, and a dense terminal spikelike raceme of greenish-yellow flowers. Native to tropical Africa.

125170. Received as variety "ulugurensis," for which a place of publication has not been found.

125171. Received as *Lobelia* sp.

125172-125192. AVENA SATIVA L. Poaceae.

Oats.

From Japan. Seeds presented by K. Nakata, Kyushu Imperial University, Fukuoka. Received November 10, 1937.

125172. Korean native oats from Sansui.

125183. Korean native oats from Kozan.

125173. Belgian oats.

125184. *Howdale Black Tatar.*125174. *Clydesdale.*

125185. White oats.

125175. *Banners Benalton.*125186. *Ligovo.*125176. *Albion.*125187. *Victoria No. 1.*125177. *Slow Victoria.*125188. *Idamine.*125178. *Antonis Capaty*, original.125189. *Golden Rain.*

125179. Korean native oats from Hozan.

125190. *Swedish Select.*125180. *Wase Rokujunichi.*

(Early 6-days, native to Korea.)

125191. *Cro-Gold* oats.125181. *Black Tatar.*125192. *Race Horse.*

125182. Red oats.

- 125193-125199. JUGLANS REGIA L.** Juglandaceae. **Persian walnut.**
 From Poland. Seeds presented by St. Białobok, Państwowy Instytut Naukowy Gospodarstwa Wiejskiego w Pulawach, Pulawy, Dnia. Received November 10, 1937.
 A collection of walnuts, grafted on frost-resistant stocks.
- 125193.** No. 1. From Kórnik, near Poznan.
- 125194-125197.** From Pulawy, near Lublin.
- 125194.** No. 2. **125196.** No. 4.
125195. No. 3. **125197.** No. 5.
- 125198-125199.** From Sandomierz.
- 125198.** Received as *Juglans polonica*.
- 125199.** Received as *Juglans polonica* × *J. maxima*.
- 125200-125202.**
- From Mexico.** Seeds presented by E. O. Matthews, Parral, Chihuahua. Received November 11, 1937.
- 125200. PRUNUS CAPULI Cav.** Amygdalaceae.
Copulin. A wild cherry from Tezuitlan, State of Puebla. A dark-purple cherry of good flavor, a little smaller than the *Black Tartarian*.
 For previous introduction see 111983.
- 125201. PSIDIUM GUAJAYA L.** Myrtaceae. **Guava.**
 A yellow variety from Aguascalientes.
 For previous introduction see 106812.
- 125202. YUCCA sp.** Liliaceae. **Desertlily.**
 From Jiménez. A yucca with dull-yellow, tuberosely-shaped flowers.
- 125203. COLOCASIA sp.** Araceae.
 From Colombia. Seeds presented by M. J. Rivero, Cali, through F. G. Walsingham, Atkins Institution of the Arnold Arboretum, Soledad, Cienfuegos, Cuba. Received November 19, 1937.
 Giant wild dasheen.
- 125204. HIBISCUS sp.** Malvaceae.
 From Puerto Rico. Cuttings presented by Claud L. Horn, Agricultural Experiment Station, Mayaguez. Received November 17, 1937.
Puerto Rican Single Red.
- 125205-125215.**
- From England.** Material presented by William Blake, Maipies, Cheshire. Received November 18, 1937.
- 125205-125209. CORYLUS spp.** Betulaceae.
- 125205. CORYLUS sp.** **125207. CORYLUS sp.**
 No. 1. No. 3.
125206. CORYLUS sp. **125208. CORYLUS sp.**
 No. 2. **125209. CORYLUS sp.**
- 125210-125214. JUGLANS spp.** Juglandaceae. **Walnut.**
- 125210. JUGLANS sp.** **125212. JUGLANS sp.**
 No. 4. No. 6.
125211. JUGLANS sp. **125213. JUGLANS sp.**
 No. 5. **125214. JUGLANS sp.**
- 125215. PÆONIA sp.** Ranunculaceae. **Peony.**

125216. BUPHANE DISTICHA (L.f.) Herbert. Amaryllidaceae.

From Africa. Bulbs purchased from the Mount Elgon Nurseries, Kitale, Kenya Colony, British East Africa. Received November 20, 1937.

A South African plant with a very large bulb up to a foot in diameter, which grows half out of the ground, protected by a multitude of papery coats. The stout scape, 6 inches to 1 foot high, bears a large globose umbel of dull red flowers, and the thick distichous leaves, which appear late, are strap-shaped and 1 to 2 feet long.

For previous introduction see 115319.

125217. CARMICHAELIA ODORATA Colenso. Fabaceae.

From New Zealand. Seeds purchased from Mrs. R. T. Richards, Round Top, Windwhistle, Canterbury. Received November 6, 1937.

A bushy shrub 3 to 10 feet high, leafless except in the spring and early summer, when it is clothed with numerous small pinnately 3- to 7-foliolate leaves. The very small purple flowers, $\frac{1}{8}$ to $\frac{1}{6}$ of an inch long, are in slender erect racemes on the pendulous branchlets. Native to New Zealand.

For previous introduction see 89220.

125218. SACCHARUM. Poaceae.**Sugarcane.**

From New Guinea. Cuttings collected near the Sepik River. Received November 22, 1937.

125219-125222. ASPARAGUS spp. Convallariaceae.

From Rumania. Seeds presented by Professor Dr. Al Borza, Jardin Botanique de l'Université, Cluj. Received November 18, 1937.

125219. ASPARAGUS MARITIMUS Mill.

A herbaceous perennial, native to the coasts of Europe and northern Africa, closely resembling the common asparagus. The more woody plant, however, has a bitter flavor, is more bushy, the cladodes are angled, and the globose fruits are dark red.

For previous introduction see 42771.

125220. ASPARAGUS OFFICINALIS L.**Garden asparagus.****125221. ASPARAGUS TENUIFOLIUS Lam.**

A herbaceous perennial native to southern Europe, with very slender, numerous cladodes and large bright-red berries; much like *Asparagus officinalis*.

For previous introduction see 37713.

125222. ASPARAGUS VERTICILLATUS L.

A semi-woody, climbing vine with stems 10 to 15 feet long, green angled, flexuose branches, and filiform cladodes 2 inches long. The funnel-shaped greenish-yellow flowers are in clusters of 1 to 4 and are followed by red berries $\frac{1}{4}$ inch in diameter. Native to Iran [Persia] and Siberia.

For previous introduction see 91308.

125223-125231.

From Germany. Plants purchased from L. Späth, Berlin. Received November 24, 1937.

125223-125225. MALUS SYLVESTRIS Mill. Malaceae.**Apple.**125223. *Apfel aus Grünheide.*125225. *San Jacinto.*125224. *Augustkalvill Dr. Fritz Baum.***125226-125229. PRUNUS spp. Amygdalaceae.**125226. *Werdersche Marktkirsche.* A cherry.125227. *Katalonischer Spilling.* A plum.125228. *Späth's Früheste.* A plum.125229. *Wilhelmine Späth.* A plum.

125230-125231. *PYRUS COMMUNIS* L. Malaceae. Common pear.

125230. *Bunte Julkbirne*.

125231. *Philippsbirne*.

125232. *DIGITARIA HENRYI* Rendle. Poaceae.

From Hawaii. Seeds presented by Lee D. Whitney, Hawaii Agricultural Experiment Station, Honolulu. Received November 17, 1937.

A grass with slender stems about 1 foot high, similar to *Digitaria eriantha*. It is a promising grass for wet subtropical situations, as it spreads rapidly and produces a large quantity of forage. Apparently an annual. It is native to Taiwan.

125233-125235. *PRUNUS* spp. Amygdalaceae.

From Austria. Seeds purchased from Jul. Stainer, Wiener-Neustadt. Received November 22, 1937.

125233. *PRUNUS AVIUM* L.

Sweet cherry.

Variety *Sylvestris*. From Austria.

125234. *PRUNUS AVIUM* L.

Sweet cherry.

Variety *Sylvestris*. From Czechoslovakia.

125235. *PRUNUS MAHALEB* L.

Mahaleb cherry.

From Dalmatia.

For previous introduction see 124963.

125236. *ERAGROSTIS TEF* (Zuccagni) Trotter. Poaceae. Teff.

From the Union of South Africa. Seeds purchased from C. Starks & Co., Ltd., Mowbray, Cape Town. Received November 26, 1937.

For previous introduction see 115053.

125237. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.

From the Netherlands. Seeds presented by A. E. H. R. Boonstra, Department of Botany, Institute for Plant Breeding, Wageningen. Received November 27, 1937.

Robusta.

125238-125249. *JUGLANS REGIA* L. Juglandaceae. Persian walnut.

From California. Plants growing at the United States Plant Introduction Garden, Chico. Numbered in December 1937.

125238. Seedling of P. I. 71149. (D. R-36, T-33).

125239. Seedling of P. I. 71149. (D. R-36, T-34).

125240. Seedling of P. I. 65869. (D. R-18, T-3).

125241. Seedling of P. I. 86347. (D. R-18, T-9).

125242. Seedling of P. I. 73561. (D. R-36, T-36).

125243. Seedling of P. I. 86346. (D. R-18, T-8).

125244. Seedling of P. I. 63430. (D. R-36, T-42).

125245. Seedling of P. I. 86347. (D. R-18, T-10).

125246. Seedling of P. I. 63430. (D. R-36, T-41).

125247. Seedling of P. I. 86346. (D. R-18, T-7).

125248. Seedling of P. I. 65870. (D. R-18, T-5).

125249. Seedling of P. I. 65870. (D. R-18, T-6).

125250-125251.

From Africa. Bulbs purchased from the Mount Elgon Nurseries, Kitale, Kenya Colony, British East Africa. Received December 1, 1937.

125250. *CANARINA* sp. Campanulaceae.

Received as *Canarina abyssinica*.

125251. *HAEMANTHUS ZAMBESIIACUS* Baker. Amaryllidaceae.

Received as *Haemanthus multiflorus*. A bloodlily with oblong leaves about 8 inches long, narrowing to connate petioles forming a short stem, and a dense globose umbel, 6 inches across, of bright red flowers. Native to Mozambique District, Africa.

125252-125256. *HEDERA HELIX* L. Araliaceae.

English ivy.

From England. Plants purchased from the Backhouse Nurseries (York) Ltd., York. Received October 1, 1937.

125252. *Digitata*. A variety with small digitate green leaves.

125253. *Lobata Major*. A green-leafed variety with a very large middle lobe.

125254. *Purpurea*. A variety with leaves purple colored in cold weather.

125255. *Digitata*. Received as *Hedera pennsylvanicum*, a name without botanical standing.

125256. *Silver Variegated*. A variety with variegated leaves.

125257. *ORYZA MINUTA* Presl. Poaceae.

From the Philippine Islands. Seeds presented by the Director, Bureau of Plant Industry, Manila. Received December 1, 1937.

An erect annual grass about 3 feet high. Native to the Philippine Islands.

125258. *PRUNUS MAHALEB* L. Amygdalaceae.

Mahaleb cherry.

From Germany. Seeds purchased from John Noth, Jr., Fischbach, Kreis Gotha (Thur. Wald). Received November 27, 1937.

125259-125260. *BETA VULGARIS* L. Chenopodiaceae.

Common beet.

From England. Seeds presented by R. W. Baxter, Alresford, Hants. Received November 27, 1937.

Collected in Lancing, Sussex.

125259. An upright form.

125260. A prostrate form.

125261. *BAUHINIA PURPUREA* L. Caesalpiniaceae.

From Egypt. Seeds presented by the Horticultural Section, Cairo, through F. G. Walsingham, Atkins Institution of the Arnold Arboretum, Soledad, Cienfuegos, Cuba. Received November 27, 1937.

Received as *Bauhinia candicans*, but the seeds are not of that species.

125262-125280.

From England. Plants purchased from George Pyne, Denver Nurseries, Topsham, Devon. Received December 4, 1937.

125262-125274. *MALUS SYLVESTRIS* Mill. Malaceae.

Apple.

125262. *Braddick's Nonpareil*.

125269. *St. Cecilia*.

125263. *Christmas Pearmain*.

125270. *Stubbard*.

125264. *Cornish Pine*.

125271. *Tom Putt*.

125265. *Crimson Peasgood*.

125272. *Upton Pyne*.

125266. *Devonshire Quarrenden*.

125273. *Venus Pippin*.

125267. *Ponsford*.

125274. *Woolbrook Pippin*.

125268. *Pyne's Pearmain*.

125275-125280. *PRUNUS* spp. Amygdalaceae.

125275. \times *PRUNUS EFFUSA* (Host) Schneid. (*Prunus avium* \times *cerasus*).

Noble cherry.

125276. *PRUNUS AVIUM* L.

Sweet cherry.

St. Margaret's cherry.

125277. *PRUNUS* sp.*Allgrove's Superb* plum.125279. *PRUNUS* sp.*Pershire Purple* plum.125278. *PRUNUS* sp.*Evesham Wonder* plum.125280. *PRUNUS* sp.*Steward's Golden* prune.125281. *PUCCINELLIA LIMOSA* (Schur) Holmb. Poaceae.

Grass.

From Hungary. Seeds presented by the Royal Hungarian Soil Science Research Station, Szeged. Received November 29, 1937.

A perennial grass with slender decumbent stems about 2 feet high. Native to Europe. It is closely related to *Puccinellia distans*.

125282-125283. *AMYGDALUS PERSICA* L. Amygdalaceae.

Peach.

From New Jersey. Trees presented by Dr. M. A. Blake, Agricultural Experiment Station, New Brunswick. Received November 23, 1936. Numbered December 6, 1937.

125282. *Sunbeam*.125283. *New Jersey No. 70*.

125284-125288.

From the Union of Soviet Socialist Republics. Seeds presented by the Mountain-Taiga Station, Far Eastern Branch of the Academy of Sciences, Voroshilov-Ussuriaky. Received December 3, 1937.

125284-125287. *CLEMATIS* spp. Ranunculaceae.125284. *CLEMATIS BREVICAUDATA* DC.

A vigorous climbing vine, native to China, with pinnate or bipinnate, coarsely toothed leaves and axillary panicles of white flowers.

For previous introduction see 71143.

125285. *CLEMATIS PANICULATA* Thunb.

A somewhat woody vine, 12 to 15 feet long, native to eastern Asia, with compound leaves made up of 5 to 7 oblong-ovate leaflets 2 to 3 inches long. The nodding urn-shaped flowers, 1 inch long, have thick sepals with recurved tips and are densely brownish pubescent outside and violet within. The achenes have brown plumose styles.

For previous introduction see 102218.

125286. *CLEMATIS RECTA MANDSHURICA* (Rupr.) Maxim.

An ornamental herbaceous perennial 2 to 3 feet high, with masses of large white panicles. Native to Manchuria.

For previous introduction see 30244.

125287. *CLEMATIS SERRATIFOLIA* Rehder.

A woody climber 10 feet long, native to Chosen. The biternate leaves are made up of ovate-lanceolate serrate leaflets, and the large yellow flowers, with purple filaments, are 2 inches across and appear in the autumn.

For previous introduction see 76111.

125288. *LACTUCA RADDEANA* Maxim. Cichoriaceae.125289. *SACCHARUM*. Poaceae.

Sugarcane.

From the Territory of New Guinea. Cuttings presented by F. J. Kirschbaum, Alexishafen-Madang. Received December 7, 1937.

Wild sugarcane.

125290-125309. *ORYZA SATIVA* L. Poaceae.

Rice.

From Australia. Seeds presented by the Department of Agriculture, New South Wales. Received December 7, 1937.

125290. *Blue Rose*, Seln. 5-3.125291. *Blue Rose*, Seln. 5-9.

125292. *Blue Rose*, Seln. 7-10. 125295. *Blue Rose*, Seln. 7-38.
 125293. *Blue Rose*, Seln. 7-12. 125296. *Blue Rose*, Seln. 7-41.
 125294. *Blue Rose*, Seln. 7-19. 125297. (*Blue Rose* × *Caloro*) F, 13-18 '37.
 125298. *Sze Min*. Y 4269 (China) 13-15 '37. An early variety with small flinty grains and weak straw.
 125299. *Bungala* Y 4650 (Kenya) 431 I '37.
 125300. *Kisuki* Y 4656 (Kenya) 443 I '37.
 125301. *Moumias* Y 4659 (Kenya) 449 I '37. Very late, scented.
 125302. *Agar* Y 4705 (Iraq) 453 I '37. A late variety with very erect heads.
 125303. *Shishma'a* Y 4709 (Iraq) 461 I '37. A late variety.
 125304. *Sima'a* Y 4710 (Iraq) 463 I '37. Midseason variety.
 125305. *Jaray Kungo* Y 4738 (Gambia) 517 I '37. A late and variable variety.
 125306. *Yaka Mosque* Y 4790 (Gambia) 603 I '37. A late, variable variety.
 125307. *Sadi* (*Bi-dum*) Y 4961 (Persia) 30-51 '37. A late variety.
 125308. *Sadri* Y 4962 (Persia) 31-51 '37. A late variety.
 125309. *Siah-dum* Y 4963. 32-52 '37. A late variety.

125310-125395.

From Afghanistan. Seeds collected by Walter Koelz, Bureau of Plant Industry, United States Department of Agriculture. Received December 11, 1937.

This material was all collected in 1937.

125310-125327. HORDEUM VULGARE L. Poaceae.

Barley.

125310. No. 2930. *Jan*. From Laghman, May 25.
 125311. No. 2982. *Jan*. From Daulatshah, June 1.
 125312. No. 2990. *Firmai*. From Tagan, June 10. Said to be planted in the fall; harvested in June.
 125313. No. 2991. *Bahari*. From Tagao, June 10. Said to be planted in the spring.
 125314. No. 3009. *Jan*. From Gordez, June 20.
 125315. No. 3014. *Jan*. From Nozi, at 8,500 feet altitude, June 22.
 125316. No. 3021. *Muyak*. From Kabul, June 25, at 7,000 feet altitude. A thin-headed form of rather poor quality; said to be sown in the spring.
 125317. No. 3022. *Kunduzi*. From Kabul, June 25, at 7,000 feet altitude. A large-headed form with grains arranged in a cylindrical head.
 125318. No. 3023. *Jan-i-landani*. From Kabul, June 25, at 7,000 feet altitude. Head 4 inches long with grains in 2 rows only.
 125319. No. 3091. *Jan*. From Khanabad, July 4, at 1,200 feet altitude. The only variety grown in this locality.
 125320. No. 3116. From Gandocheshma, July 9, at 5,000 feet altitude. Heads up to 4 inches in length, tending to become beardless.
 125321. No. 3200. *Kaljan*. From Krunn, July 30, at 9,000 feet altitude.
 125322. No. 3201. *Gurzak*. From Krunn, July 30, at 9,000 feet altitude; tends to be beardless.
 125323. No. 3204. *Pustajan*. From Krunn, July 30, at 9,000 feet altitude.
 125324. No. 3206. *Kaljan*. From Zebak, July 23, at 10,000 feet altitude.
 125325. No. 3455. *Jan*. From Tolokhan, July 28, at 2,000 feet altitude. A barley which grows 2 feet high in an extremely dry climate.
 125326. No. 3789. *Baharijan*. From Shiburghan, September 15, at 1,200 feet altitude. Said to be a spring barley and probably unwatered.
 125327. No. 3810. From Akcha, September 16, at 1,200 feet altitude. Said to be sown in the fall and irrigated.

- 125328-125339. *ORYZA SATIVA* L. Poaceae. Rice.
125328. No. 2939. *Birinj-i-luk*. From Khudikh, May 24, at 6,000 feet altitude.
125329. No. 2944. *Loka*. From Laghman, May 26. Sown in beds in the spring and transplanted after wheat is harvested.
- Nos. 125330 to 125335. From Laghman, May 26.
125330. No. 2945. *Laghmani Shali*. 125333. No. 2948. *Kunari Shah*.
125331. No. 2946. *Kunari Garma*. 125334. No. 2949. *Shali-i-Siya*.
125332. No. 2947. *Kunari Sarda*. 125335. No. 2951. *Shali Longin*.
- Nos. 125336 and 125337. From Laghman, May 27.
125336. No. 2955. *Seray Ghati Shali*.
125337. No. 2963. *Pargani*.
125338. No. 3071. *Mahin*. From Khanabad, July 3, at 1,200 feet altitude. Harvested in July; the finest rice grown locally.
125339. No. 3072. *Berinj-i-luk*. From Khanabad, July 3, at 1,300 feet altitude. Transplanted in July.
- 125340-125390. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.
125340. No. 2626-A. From Akcha, September 8, at 1,200 feet altitude. Sown in the fall and grown under irrigation.
- Nos. 125341 to 125350. From Laghman, May 25 and 26.
125341. No. 2920. *Sufedcha*. Planted in the fall and harvested in May; considered one of the best.
125342. No. 2925. *Maparcha*. Up to 4 feet high; the heads sometimes 5½ inches long, with over 100 kernels to the head; seems to stool little.
125343. No. 2926. *Maparcha*. A race with reddish, still larger heads and longer, stronger beards.
125344. No. 2927. *Maparcha*. Another race with the longest heads and strong blackish beards.
125345. No. 2928. *Surkhcha*. A bearded, red-hulled wheat with heads up to 4 inches long.
125346. No. 2929. *Kafiri Kulumi*, or *Aulaki*. An early variety said to be grown in Kafirstan.
125347. No. 2931. *Mohmad Amiri-i-surkh*. A bearded red-hulled wheat with heads about 3½ inches long.
125348. No. 2932. *Mohmad Amiri-i-sufed*. A bearded, red-hulled wheat with heads about 3½ inches long.
125349. No. 2933. *Gandum-i-munda*. A beardless, red-hulled wheat with heads about 3½ inches long.
125350. No. 2934. *Gandum-i-munda-i-sufed*. A beardless whitish hulled wheat with heads 3½ inches long.
125351. No. 2965. *Dandan-i-Shutus*. From above Laghman, May 27. Heads said to be over 6 inches long.
125352. No. 2976. *Bajauri*. From Kalaghulanat, May 28. A red-hulled wheat with thin heads about 2½ inches long.
- Nos. 125353 and 125354. From Tagan, June 9, at 6,000 feet altitude.
125353. No. 2988. *Garma*. A narrow-headed, short-bearded, white-hulled wheat.
125354. No. 2989. *Bajauri*. A red-hulled wheat, otherwise resembling No. 2988 [P. I. 125353].
- Nos. 125355 to 125357. From Gardez, June 20, at 8,000 feet altitude.
125355. No. 3006. *Lalmi*. A dry-land wheat.

125356. No. 3010. *Awi-i-surkh*. 125357. No. 3011. *Awi-i-sufed*.
Nos. 125358 and 125359. From Nozi, June 22, at 8,500 feet altitude.
125358. No. 3015. *Awi*. 125359. No. 3016. *Lalmi*.
Nos. 125360 to 125362. *Luchak*. From Kabul, June 25, at 7,000 feet altitude.
125360. No. 3024. Head firm, flattened, with the kernels in two double rows; hull white, bearded. A rare form.
125361. No. 3025. A form like No. 3024 [P. I. 125360], but with a red hull; kernel hard. Said to be the best of the local wheats.
125362. No. 3026. Like No. 3025 [P. I. 125361], but with undeveloped heads. Said to be the ancestral *luchak*; a rare form.
Nos. 125363 and 125364. From Shekhele, June 30, at 8,500 feet altitude.
125363. No. 3038. *Kandahari*. A name used in nearby places for a totally different type of wheat. This is a form 2 weeks earlier than No. 3039 [P. I. 125364], from which these heads were taken as strays.
125364. No. 3039. A form with long loose heads about 5½ inches long, with the grains in alternating groups of three. Said to be a spring wheat.
Nos. 125365 and 125366. From Khanabad, July 2, at 1,200 feet altitude.
125365. No. 3059. *Sufed*. A form with heads about 4 inches long, red-hulled, with the grains in alternating rows of three. Irrigated.
125366. No. 3060. *Surkha*. An irrigated wheat like No. 3059 [P. I. 125365], but with white hulls.
125367. No. 3063. *Kandahari*. From Baghlan, July 1. Grown without irrigation. The flattened heads are red-hulled and 1½ inches long.
Nos. 125368 and 125369. From Khanabad, July 3 and 4, at 1,200 feet altitude.
125368. No. 3070. *Munda*. Heads 4 inches long, red-hulled, beardless; grains in alternating groups of 3 and 4.
125369. No. 3084. *Surkha*. Like No. 3070 [P. I. 125368], but grown without irrigation.
Nos. 125370 to 125372. From Faizabad, July 11 and 12, at 4,000 feet altitude.
125370. No. 3143. *Kulezan*; also called *Luchak*, *Bohonda*, *Kandalari*, and *Khoscha*. Heads flattened with grains in close groups of three; hull white, heads 4 inches long by 2 inches wide.
125371. No. 3144. *Zarda*. Heads flattened, 3 inches long by ¾ inch wide, hull white.
125372. No. 3145. Heads 4 inches long by ¾ inch wide, hull white, beard 4 inches long.
125373. No. 3158. From Chakaran, July 17, at 6,000 feet altitude. A red-hulled wheat with heads 4 inches long. Sown here in the fall, but at higher altitudes sown in the spring.
125374. No. 3184. From Zebak, July 22, at 10,000 feet altitude. A local mixture.
125375. No. 3203. *Sufedak*. From Krunn, July 30. Spring wheat.
125376. No. 3228. From Iskarzir, July 31, at 8,500 feet altitude.
Nos. 125377 and 125378. From Iskan, August 4, at 7,500 feet altitude.
125377. No. 3240. Head 2½ inches long by ½ inch wide; hull red.
125378. No. 3241. Head 4 inches long by ¾ inch wide; hull white.
Nos. 125379 to 125381. From Jurm, August 5, at 7,000 feet altitude.
125379. No. 3242. *Jaltak*. Spring wheat, white hulled.
125380. No. 3243. *Gandum-i-surkh*. A red-hulled form of No. 3242 [P. I. 125379]; sown in the fall.

125381. No. 3244. *Kalgandum*. A short bearded, white-hulled form; sown in the spring.

Nos. 125382 to 125384. From Daraim, August 11, between 6,500 and 7,000 feet altitude.

125382. No. 3217. *Surkhband*. Heads about 4 inches long, long bearded, red-hulled, grains in 4's, alternating; total in head, 57.

125383. No. 3298. Like No. 3217 [P. I. 125382], but not so well grown.

125384. No. 3301. A wheat 3½ feet high, with white-hulled, bearded heads over 3 inches long, the grains in 4's, alternating.

125385. No. 3310. *Surkha*. From Gandakul, August 12, at 6,000 feet altitude. Planted in the fall, irrigated only from melting snow. The heads are 4 inches long, with the red grains in 4's, alternating.

125386. No. 3323. *Kariakato*. From Takia, August 14, at 4,500 feet altitude. An irrigated wheat with heads about 4 inches long, red hulled; beards strong, spreading, blackish, 3½ inches long; grains in 4's, alternating.

Nos. 125387 and 125388. From Balkh, September 5, at 1,200 feet altitude; from a farmer's grain piles.

125387. No. 3562. *Bahari*. Said to be a 90-day spring wheat that makes good bread; irrigated.

125388. No. 3563. *Gandum*. Said to be a fall wheat, not so good as No. 3562 [P. I. 125387], but fall wheats are sown to give pasture to lambs.

Nos. 125389 and 125390. From Saripul, September 11, at 1,500 feet altitude.

125389. No. 3711. Red-hulled, bearded heads about 3 inches long, with the grains in alternate 3's; irrigated.

125390. No. 3712. White-hulled, bearded heads about 3 inches long, with the grains in alternate 3's; irrigated.

125391-125395. *ZEA MAYS L.* Poaceae.

Corn.

125391. No. 2917. *Zawar*. From Laghman, May 25. Possibly an early variety.

125392. No. 2959. *Jawar*. From Laghman, June 3. Said to require little heat.

125393. No. 2985. *Jawari*. From Kail, June 3. Heat requirement low.

125394. No. 3080. From Khanabad, July 4, at 1,200 feet altitude. Possibly early.

125395. No. 3083. *Janahri*. From Khanabad, July 4, at 1,200 feet altitude. Possibly quick maturing.

125396. *SOPHORA* sp. Fabaceae.

From China. Seeds collected for the Asiatic Expedition and forwarded by Soderbom Bros., Etsingol, Inner Mongolia. Received November 30, 1937.

A shrub about 2 feet high, with pale yellow flowers, which grows under very dry conditions. The Chinese use this shrub as a fertilizer.

125397. *AMYGDALUS PERSICA* var. *NECTARINA* Ait. Amygdalaceae. Nectarine.

From North Carolina. Budsticks presented by the Lindley Nurseries, Pomona. Received August 4, 1933. Numbered in December 1937.

Grady.

125398. *AMYGDALUS PERSICA* var. *NECTARINA* Ait. Amygdalaceae. Nectarine.

From New York. Budwood presented by H. B. Tukey, New York Fruit Testing Association, Geneva. Received August 9, 1933. Numbered in December 1937.

Hunter.

- 125399-125401. *MALUS SYLVESTRIS* Mill. Malaceae. **Apple.**
 From New Zealand. Plants presented by H. R. Wright, Avondale, Auckland.
 Received in August 1936. Numbered in December 1937.
125399. *Eleyi* crab. Originally from Holland.
 125400. No. 2. *Delicious* × (*Ribstone Pip* × *Northern Spy*).
 125401. *Lemonii*, a flowering crab.
125402. *MALUS SYLVESTRIS* Mill. Malaceae. **Apple.**
 From South Dakota. Scions presented by Prof. N. E. Hansen, South Dakota State
 College, Brookings. Received March 1, 1935. Numbered in December 1937.
Red Soviet. Originally from the Soviet Union.
- 125403-125404. *PYRUS COMMUNIS* L. Malaceae. **Common pear.**
 From the Union of Soviet Socialist Republics. Scions presented by the Michurin
 Research Institute of Fruit Production, Michurinsk. Received February 8,
 1935. Numbered in December 1937.
125403. *Beurré Tolstobienshka* pear.
 125404. [Received without notes.]
- 125405-125557. *CITRULLUS VULGARIS* Schrad. Cucurbitaceae. **Watermelon.**
 From Afghanistan. Seeds collected by Walter Koelz, Bureau of Plant Industry,
 United States Department of Agriculture. Received December 9, 1937.
 Collected in the summer and fall of 1937.
 Nos. 125405 and 125406. *Henduwana*. From Laghman, May 26.
 125405. No. 2935. 125406. No. 2937.
 Nos. 125407 to 125409. From Khanabad, July 4, at 1,200 feet altitude.
125407. No. 3078. Fruit globose, 6 inches in diameter, green with blotched
 darker stripes; flesh white, tinted pink around the seeds; no flavor or sugar,
 but probably not full grown.
125408. No. 3079. Fruit 1 foot by 8 inches, deep black green; rind 2½ inches
 thick; flesh red, sweet, of good quality and said to be a good keeper.
125409. No. 3092. Fruit globose, 6 inches in diameter, green with dark
 blotched stripes; flesh yellow, stained pinkish around the seeds; quality
 poor, but probably poorly grown.
 Nos. 125410 to 125413. From Takia, August 12 to 14, at 4,500 feet altitude.
125410. No. 3315. *Tarbuza*. Fruit elongate, 14 inches long, blotch-striped; rind
 1 inch thick; flesh yellow, stained pink in places, fairly sweet, melting, seedy.
125411. No. 3320. Fruit globose, 16 inches in diameter, plain light green; flesh
 pink, very sweet, of fine texture, rind 1 inch thick.
125412. No. 3328. Fruit globose, 14 inches in diameter, pale green; rind 1
 inch thick; flesh pink, sweet, very good.
125413. No. 3330. A mixed collection of seeds from 10 different fruits; all
 had sweet melting flesh, often seedy.
 Nos. 125414 to 125419. *Tarbuza*. From Chahiab, August 22, at 2,000 feet
 altitude. All melons grown in this locality are watered only by winter snow,
 and all are said to be good winter keepers.
125414. No. 3397. Fruit 18 by 10 inches, pale green, unmarked; flesh clear pink,
 sweet, and of good texture; nearly seedless.
125415. No. 3398. Fruit subglobose, about 1 foot in diameter, deep green with
 darker blotched ribs; flesh rose, fairly sweet, good texture, seedy.
125416. No. 3400. Fruit subglobose, 1 foot in diameter, sea green with darker
 blotched stripes; rind ½ inch thick; flesh pink, fair.
125417. No. 3401. Superficially like No. 3400 [P. I. 125416], but flesh is rose
 purplish and sweet.

125418. No. 3402. Fruit indistinguishable from No. 3399 except by seed color.
125419. No. 3403. Like No. 3398 [P. I. 125415], except for the seed color.
- Nos. 125420 to 125422. From Hazarbagh, August 27 and 28, at 2,000 feet altitude.
125420. No. 3451. A mixture from several globose melons about 1 foot in diameter. These melons were irrigated.
125421. No. 3453. Fruit subglobose, 1 foot in diameter, pale green; flesh bright pink, sweet, good quality.
125422. No. 3454. Fruit pale green, grown under irrigation, somewhat pear-shaped, 18 inches long and weighs 30 pounds; flesh bright pink sweet, good texture, but the remarkable feature is that the stem half of the melon is absolutely seedless.
- Nos. 125423 to 125429. *Tarbuz*. From Khanabad at 1,500 feet altitude, August 29 and September 1.
125423. No. 3459. Fruit elongate 10 by 14 inches, pale green; flesh bright pink, sweet, but slightly stringy.
125424. No. 3472. Fruit pear-shaped, 12 inches in diameter, pale green with blotched stripes of darker green; rind $1\frac{1}{2}$ inches thick; flesh pink, sweet with few seeds.
125425. No. 3500. Fruit globose, 12 inches in diameter, green, vermiculated darker; in appearance exactly like No. 3499 [P. I. 125512], but flesh is clear pink and of fair quality, but slightly stringy.
125426. No. 3503. Fruit 17 by 7 inches, dark green, line-blotched lighter; rind 1 inch thick, flesh rose, becoming yellow next the rind, exceedingly sweet, texture good.
125427. No. 3506. Fruit 15 by 7 inches, pale green with traces of reticulations; rind 1 inch thick; flesh pink, sweet and slightly stringy.
125428. No. 3509. Fruit dark green, 12 by 8 inches; rind 1 inch; flesh pink, becoming yellow near the rind, sweet and of good texture.
125429. No. 3510. Fruit 11 by 7 inches, dark green with still darker blotched stripes; rind $\frac{3}{4}$ inch thick; flesh pink, sweet with some fiber.
- Nos. 125430 to 125434. *Tarbuz*. From Tashkurgan, September 4, at 1,200 feet altitude.
125430. No. 3519. Fruit 14 by 10 inches, grass green; rind $\frac{3}{4}$ inch thick; flesh rose, good quality.
125431. No. 3520. Fruit 16 by 12 inches, greenish white with blotched stripes of green; rind $\frac{1}{2}$ inch thick; flesh rose, good texture, but little sugar.
125432. No. 3524. Fruit globose, 10 inches in diameter, pale green with broad stripes of darker green; rind $\frac{1}{2}$ inch thick; flesh rose, sweet, and of good texture.
125433. No. 3525. Fruit 14 by 10 inches, grass green; rind $\frac{3}{4}$ inch thick; flesh rose, sweet, and of good texture.
125434. No. 3530. Fruit globose, 10 inches in diameter, green vermiculated with darker green; rind $\frac{1}{2}$ inch thick; flesh pink of good texture, sweet.
- Nos. 125435 to 125437. *Tarbuza*. From Mazarisharif, September 4, at 1,200 feet altitude.
125435. No. 3544. Fruit 16 by 8 inches, light green with darker green blotched stripes; rind $\frac{1}{2}$ inch thick; flesh pink, sweet, of good texture, and with few seeds.
125436. No. 3546. Fruit 16 by 6 inches, dark green with broken, blotched stripes of pale green; rind $\frac{1}{2}$ inch thick; flesh rose, sweet, of good quality.
125437. No. 3550. Fruit 14 by 7 inches, dark green with paler green stripes; rind $\frac{3}{4}$ inch thick; flesh rose, sweet, rather firm, but no fiber.
- Nos. 125438 and 125439. From Balkh, September 5, at 1,200 feet altitude.

125438. No. 3559. Fruit globose, 12 inches in diameter, very dark green; rind 1 inch thick, flesh pink, firm, sweet, no fiber.
125439. No. 3560. Fruit globose about 12 inches in diameter, dark green with darker blotched stripes; rind 1 inch thick; flesh rose, firm, sweet.
- Nos. 125440 to 125448. From Mazarisharif, September 5 to 7, at 1,200 feet altitude.
125440. No. 3565. Fruit subglobose, 16 inches in diameter, light green, heavily covered with dark-green, blotched stripes; rind 1 inch thick; flesh rose mixed white, sweet, of good texture.
125441. No. 3568. Fruit 18 by 10 inches, light green with traces of vermiculation; rind $\frac{1}{2}$ inch thick; flesh bright pink, sweet, of good texture.
125442. No. 3569. Fruit elongate, 16 by 10 inches, pale green with traces of vermiculation; rind $\frac{1}{2}$ inch thick; flesh rose, tinged purple, of good texture.
125443. No. 3580. Fruit 14 by 12 inches, pale green with narrow blotched stripes of darker green; rind about 1 inch thick; flesh pink, sweet, of good texture for so large a melon.
125444. No. 3583. Fruit globose, 14 inches in diameter, dark green with blotched stripes of darker green; rind $1\frac{1}{2}$ inches thick; flesh pink, sweet, of good texture.
125445. No. 3585. Fruit globose, 10 inches in diameter, leopard spotted light green; rind $\frac{1}{4}$ inch thick; flesh rose, sweet, good texture.
125446. No. 3605. Fruit 13 by 6 inches, blotched, striped in two shades of green; rind $\frac{1}{2}$ inch thick; unripe.
125447. No. 3606. Fruit 15 by 7 inches; pale green with irregular narrow stripes of white green; rind $\frac{3}{4}$ inch thick; flesh rose, sweet, of good texture.
125448. No. 3607. Fruit 12 inches long, white green; rind $\frac{1}{2}$ inch thick; flesh yellow stained pink abundantly around the seeds; flesh sweet and of good texture, few seeds.
- Nos. 125449 to 125452. From Akcha, September 8, at 1,200 feet altitude.
125449. No. 3632. Fruit globose, 10 inches in diameter, grass green; rind $1\frac{1}{4}$ inches thick; flesh pink, sweet, of good texture but for a little fiber.
125450. No. 3638. Fruit globose, 12 inches in diameter, with distinctly indented ribs, grass green dotted and blotched, striped with darker green; rind 1 inch thick; flesh pink, sweet, but a little stringy.
125451. No. 3639. Fruit 10 by 14 inches, grass green with blotched stripes of darker green; rind $\frac{3}{4}$ inch thick; flesh pink, sweet, of good texture, first class.
125452. No. 3640. Fruit 14 by 10 inches, grass green with blotched stripes of darker green; rind $\frac{3}{4}$ inch thick; flesh pink, fairly sweet, some fiber. Very much like No. 3639 [P. I. 125451].
125453. No. 3643. From Mazarisharif, September 7, at 1,200 feet altitude. Fruit globose, 11 inches in diameter, dark green with blotched stripes of darker green; rind $\frac{3}{4}$ inch thick; flesh rose, sweet, of good texture.
- Nos. 125454 to 125468. From Akcha, September 9, at 1,200 feet altitude.
125454. No. 3645. Fruit 19 by 10 inches, grass green with irregular blotches of paler green; rind 1 inch thick; flesh sweet, bright pink, of good texture.
125455. No. 3652. Fruit 19 by 10 inches, light green; rind $\frac{1}{2}$ inch thick; flesh pink, sweet, of good texture.
125456. No. 3653. Fruit globose, 10 inches in diameter, yellow with broad blotched stripes of orange; rind $\frac{1}{2}$ inch thick; flesh pink, of good texture, and fairly sweet. A local type.
125457. No. 3660. Fruit 16 by 9 inches; rind $1\frac{1}{4}$ inches thick; flesh rose, sweet, good texture.
125458. No. 3667. Fruit irregularly elongate, 20 by 8 inches, deep green; rind 1 inch thick; flesh pink, sweet, with some fiber.

125459. No. 3669. Fruit green, globose, 12 inches in diameter, broadly striped with black green and dotted with green, distinctly indented ribs; rind 1 inch thick; flesh pink, sweet, a little fiber.
125460. No. 3684. Fruit globose, 9 inches in diameter, pale green with traces of vermiculation; rind 1 inch thick; flesh rose.
125461. No. 3688. Fruit irregularly elongate, 18 by 8 inches; light green, more or less reticulated; flesh pink, very sweet, some fiber; rind $1\frac{1}{2}$ inches thick.
125462. No. 3689. Fruit 13 by 10 inches, pale green with reticulated ribs; rind 1 inch thick; flesh sweet, of good texture, the heart cream, and pink around the seeds.
125463. No. 3692. Fruit 20 by 9 inches, black green; rind $1\frac{1}{4}$ inches; flesh yellow near the rind and at the heart; around the seeds it is pink, sweet, with some fiber.
125464. No. 3694. Fruit 14 by 9 inches, dark green, clouded with lighter green; rind $1\frac{1}{2}$ inches across; flesh pink, sweet, some fiber.
125465. No. 3698. Fruit 16 by $6\frac{1}{2}$ inches; very dark green with lighter green stripes; rind $1\frac{1}{4}$ inches thick; flesh yellow, strongly tinted pink around the seeds.
125466. No. 3702. Fruit 13 by 11 inches, green, blotched and reticulated with darker green; rind $1\frac{1}{4}$ inches thick; flesh stringy, pink; hollow-hearted, a rare fault in Afghan melons.
125467. No. 3708. Fruit 12 by 5 inches, irregularly elongate, light green, reticulated; rind $\frac{1}{2}$ inch thick; flesh pale yellow, stained pink around the seeds, sweet, and of good texture.
125468. No. 3714. Fruit 18 by 8 inches, dark green with narrow stripes of lighter green; rind 1 inch thick; fruit was unripe.
- Nos. 125469 to 125472. From Saripul, September 13, at 1,500 feet altitude.
125469. No. 3719. Fruit 11 by 9 inches, pale green with more or less apparent stripes of dark green; rind 1 inch thick; flesh pink, of good texture, very sweet.
125470. No. 3721. Fruit 11 by 9 inches, deep green; rind 1 inch thick; flesh bright pink, sweet, of good texture.
125471. No. 3722. Fruit globose, 9 inches in diameter, grass green with distinctly indented ribs; rind 1 inch thick; flesh pink, sweet, more or less stringy.
125472. No. 3727. Fruit globose, 10 inches in diameter, striped with grass green and paler green in equal stripes; rind $\frac{1}{2}$ inch thick; flesh deep pink, sweet, some fiber.
125473. No. 3786. From Shiburghan, September 14, at 1,200 feet altitude. Fruit 12 by 10 inches, pale green with blotched stripes of darker green; rind 1 inch thick; flesh pink, of good texture, fairly sweet.
- Nos. 125474 to 125488. From Akcha, September 16, at 1,200 feet altitude.
125474. No. 3790. Fruit 17 by 6 inches, plain pale green; rind 1 inch thick; flesh pink, sweet, of good texture.
125475. No. 3792. Fruit 14 by 9 inches, sea green with traces of vermiculation; rind $1\frac{1}{4}$ inches thick; flesh pink, sweet, some fiber.
125476. No. 3794. Fruit 17 by $10\frac{1}{2}$ inches, equal blotched stripes of sea green and grass green; rind $1\frac{1}{2}$ inches thick; flesh rose, sweet, some fiber.
125477. No. 3795. Fruit 15 by 10 inches, sea green, heavily obscured by blotched stripes of grass green; rind $\frac{1}{2}$ inch thick; flesh pink, sweet, of good texture.
125478. No. 3797. Fruit subglobose, 9 inches in diameter, white green; rind $\frac{1}{2}$ inch thick; flesh pink, little sugar, but of good texture.
125479. No. 3801. Fruit subglobose, 11 inches in diameter, grass green with broad stripes of very dark green; rind $1\frac{1}{4}$ inches thick; flesh pink, streaked white, sweet, of fair texture.

125480. No. 3802. Fruit subglobose, 11 inches in diameter, very dark green with faintly indented ribs; rind 1 inch thick; flesh rose, sweet, of good texture.
125481. No. 3804. Fruit subglobose, 12 inches in diameter, grass green with broad stripes of darker green; rind 1 inch thick; flesh pink, sweet, some fiber.
125482. No. 3805. Fruit irregularly elongate, 18 by 6½ inches, dark green with obscure clouding in stripes of paler green; rind 1¼ inches thick; flesh yellow, stained around the seeds with pin; sweet and of good texture.
125483. No. 3806. Fruit 12 by 7 inches, green white with broad stripes of grass green; rind ¾ inch thick. Unripe.
125484. No. 3809. Fruit 20 by 9 inches, sea green with faint vermiculation; rind 1½ inches thick; flesh pink, sweet, of good texture.
125485. No. 3812. Fruit 13 by 9½ inches, light green with equal stripes of grass green; rind 1 inch thick; flesh pink, sweet, of good texture.
125486. No. 3816. Fruit 15 by 9 inches, very dark green with narrow stripes of paler green; rind 1¼ inches thick; flesh pink, sweet, of good texture.
125487. No. 3817. Fruit irregularly elongate, 15 by 7 inches, dark green with lengthwise cloudings of pale green; rind 1 inch thick; flesh yellow, heavily stained around the seeds with pink, sweet and of good texture.
125488. No. 3820. Fruit 14 by 6½ inches, dark green with blotched stripes of darker green; rind ½ inch thick; flesh rose, sweet, of good texture.
- Nos. 125489 to 125500. From Balkh, September 18 to 20, at 1,200 feet altitude.
125489. No. 3823. Fruit globose, 9 inches in diameter, yellow, blotched with orange stripes; rind ½ inch thick; flesh pink, of fair texture, little fiber.
125490. No. 3832. Fruit 12 by 9 inches, grass green, reticulated with darker green; rind ¾ inch thick; flesh pink, sweet, some fiber.
125491. No. 3837. Fruit 15 by 8 inches, pale green, reticulated; rind ¾ inch thick; flesh pink, sweet, of good texture.
125492. No. 3843. Fruit 14 by 10 inches, pale green, with narrow stripes of grass green; rind 1 inch thick; flesh pink, of good texture, but with little sugar.
125493. No. 3845. Fruit globose, 11 inches in diameter, about equal stripes of sea green and grass green with broken irregular reticulations; rind ¾ inch thick; flesh pink, sweet, with some fiber.
125494. No. 3846. Fruit globose, 10 inches in diameter, grass green; rind ½ inch thick; flesh rose, of good texture, but insipid.
125495. No. 3848. Fruit 14 by 12 inches, grass green; rind 1 inch thick; flesh rose, sweet, some fiber.
125496. No. 3849. Fruit 14 by 10 inches, pale green with some vermiculation; rind 1 inch thick; flesh pale rose, some fiber and with a strange musty flavor.
125497. No. 3852. Fruit 18 by 9 inches, grass green with some vermiculation; rind ¾ inch thick; flesh rose; sweet, some fiber.
125498. No. 3853. Fruit 15 by 7 inches, grass green with narrow broken blotched lines of paler green; rind ¾ inch thick; flesh rose, good texture, but low in sugar.
125499. No. 3858. Fruit globose, 10 inches in diameter, dark green; rind ¾ inch thick; flesh bright pink, sweet, of good texture.
125500. No. 3859. Fruit 15 by 12 inches, equal stripes of vermiculated grass green and plain very dark green; rind 1⅓ inches thick; flesh pink, of fair texture and fair sugar content.
125501. No. 3609. From Mazarisharif, September 7 at 1,200 feet altitude. Fruit 10 by 8 inches, very dark green; rind ½ inch thick; flesh rose, tinged purple, fair quality.
- Nos. 125502 and 125503. *Hinduwana*. From Laghman, May 26.
125502. No. 2936. Reported the largest and best.

125503. No. 2938.

125504. No. 3087. *Hinduwana*. Sold at Kabul June 29, but grown near Peshawar, India. Fruit 22 by 13 inches, pale green, with traces of bold blotched lines of darker green; rind $1\frac{3}{4}$ inches thick; flesh pink, good texture, fairly sweet, moderately seedy.

125505. No. 3095. From Khanabad, July 4, at 1,200 feet altitude. Fruit subglobose, 12 inches in diameter, medium green, faintly reticulated; rind $1\frac{1}{2}$ inches thick; flesh rose. Unripe.

Nos. 125506 and 125507. From Takia, August 12 to 14, at 4,500 feet altitude.

125506. No. 3316. *Tarbuza*. Fruit elongate, 14 inches long, reticulated; rind 1 inch thick; flesh fairly sweet, melting, seedy.

125507. No. 3321. A large elongate melon of fine quality.

Nos. 125508 and 125509. From Chahiab, August 22, at 2,000 feet altitude.

125508. No. 3399. *Tarbuza*. Fruit subglobose, 12 inches in diameter, sea green, finely netted with darker green.

125509. No. 3404. Like No. 3398 [P. I. 125415], except for the seed color.

Nos. 125510 to 125514. From Khanabad, August 29 and 30, at 1,500 feet altitude.

125510. No. 3460. *Tarbuza*. Fruit subglobose, 12 inches in diameter, pale green, vermiculations darker green; flesh white in center, pink around the seeds, sweet, tender, seedy.

125511. No. 3477. Fruit globose, 12 inches in diameter, pale green with blotched, darker green stripes; rind $1\frac{3}{4}$ inches thick; flesh white at the heart, the rest rose, sweet, fine texture.

125512. No. 3499. Fruit globose, 12 inches in diameter, green, vermiculated darker green; rind $1\frac{1}{2}$ inches thick; flesh pink, mottled with white, sweet, melting and seedy, of excellent quality.

125513. No. 3502. *Tarbuza*. Fruit subglobose, 12 inches in diameter, pale green with dots and broken reticulated ribs of darker green.

125514. No. 3516. Fruit globose, 12 inches in diameter, dark green with cloudings of darker green; rind $\frac{1}{2}$ inch thick; flesh yellow, abundantly stained with rose around the seeds, sweet, melting, first class except that it is rather seedy.

Nos. 125515 to 125521. *Tarbuza*. From Tashkurgan, September 4, at 1,200 feet altitude.

125515. No. 3521. Fruit 16 by 12 inches, pale green, finely reticulated; rind 1 inch thick; flesh rose-colored, sweet, and of good texture.

125516. No. 3522. Fruit globose, 8 inches in diameter, grass green, vermiculated; rind $\frac{1}{4}$ inch thick; flesh pink, sweet, of good texture.

125517. No. 3523. Fruit globose, about 12 inches in diameter, dark green with showing of vermiculations and stripes of darker green; rind 1 inch thick; flesh rose, sweet, of good texture.

125518. No. 3526. Fruit globose, 15 inches in diameter, green white with blotched stripes of darker green; overripe, flesh stringy.

125519. No. 3527. Fruit globose, 12 inches in diameter, greenish white with reticulated ribs; rind $\frac{1}{2}$ inch thick; flesh rose, sweet, of good texture.

125520. No. 3528. Fruit globose, 10 inches in diameter, white with vermiculated ribs; rind $\frac{1}{2}$ inch thick; flesh rose, sweet, of good texture.

125521. No. 3529. Fruit 14 by 16 inches, green with blotched stripes of darker green; rind $\frac{1}{2}$ inch thick; flesh rose, of good quality.

Nos. 125522 to 125524. From Mazarisharif, September 5 to 7, at 1,200 feet altitude.

125522. No. 3566. Fruits 18 by 12 inches, light green, vermiculated, with darker green; rind $1\frac{1}{4}$ inches thick; flesh yellow, heavily stained rose around the seeds, sweet, of good texture.

125523. No. 3575. Fruit globose, 10 inches in diameter, pale green, reticulated; rind $\frac{1}{2}$ inch thick; flesh rose, sweet, of fair texture.
125524. No. 3644. Fruit globose, 12 inches in diameter, very dark green; rind 1 inch thick; flesh rose, sweet, of good texture.
- Nos. 125525 to 125531. From Akcha, September 8, at 1,200 feet altitude.
125525. No. 3661. Fruit globose, 10 inches in diameter, green with darker green blotched stripes; rind 1 inch thick; flesh sweet, of good texture.
125526. No. 3666. Fruit 18 by 10 inches, dark green with short blotched stripes of lighter green; rind $\frac{1}{2}$ to $\frac{3}{4}$ of an inch thick; flesh pink, sweet, of good texture.
125527. No. 3687. Fruit globose, 10 inches in diameter, light green with blotched stripes of grass green; rind 1 inch thick; flesh pink, some fiber.
125528. No. 3690. Fruit 10 by 12 inches, dark green with narrow streaks of lighter green; rind $1\frac{1}{4}$ inches thick; flesh pink with white heart, sweet, with a few fibers.
125529. No. 3693. Fruit 18 by 10 inches, very dark green; rind $\frac{1}{2}$ inch thick; flesh rose, sweet, of good texture.
125530. No. 3696. A long melon.
125531. No. 3705. Fruit 11 by 9 inches, white green with narrow blotched stripes of darker green; rind 1 inch thick; flesh pink, sweet, of good texture.
- Nos. 125532 to 125539. From Saripul, September 12 and 13, at 1,500 feet altitude. All melons from this place are said to be grown without irrigation.
125532. No. 3715. Fruit globose, 10 inches in diameter, pale green with blotched stripes of darker green; rind $\frac{1}{2}$ inch thick; flesh pink, fairly sweet, of good texture.
125533. No. 3717. Fruit pear-shaped, 12 inches long, pale green; rind $\frac{1}{2}$ to 1 inch thick; flesh pink, of good texture, very sweet.
125534. No. 3718. Fruit globose, 13 inches in diameter, pale green with narrow blotched stripes of darker green; rind $\frac{1}{2}$ inch thick; flesh deep pink, sweet, of good texture.
125535. No. 3720. Fruit globose, 10 inches in diameter, pale green with broad blotched stripes of darker green; rind 1 inch thick; flesh bright pink, sweet, of good texture.
125536. No. 3723. Fruit globose, 9 inches in diameter, very dark green with distinctly indented ribs; rind $\frac{1}{2}$ inch thick; flesh deep pink, very sweet, of good texture.
125537. No. 3724. Fruit 13 by 8 inches, grass green with irregular stripes of darker green; rind $\frac{3}{4}$ inch thick; flesh rose, sweet, some fiber.
125538. No. 3725. Fruit subglobose, 11 inches in diameter, grass green, reticulated; rind $\frac{3}{4}$ inch thick; flesh pink, sweet, some fiber.
125539. No. 3726. Fruit globose, 9 inches in diameter, deep green with darker blotched stripes; rind $\frac{1}{2}$ inch thick; flesh deep pink, sweet, of good texture.
- Nos. 125540 and 125541. From Shiburghan, at 1,200 feet altitude, September 13 and 15.
125540. No. 3785. Fruit globose, 12 inches in diameter, very dark green; rind 1 inch thick; flesh pink, sweet, of good texture.
125541. No. 3787. Fruit subglobose, 12 inches in diameter, dark green; rind $\frac{3}{4}$ inch thick; flesh pink, sweet, of good texture.
- Nos. 125542 to 125545. From Akcha, at 1,200 feet altitude, September 16.
125542. No. 3791. Fruit subglobose, 12 inches in diameter, sea green, obscurely reticulated; rind 1 inch thick; flesh pink, sweet, some fiber.
125543. No. 3807. Fruit 12 by 9 inches, very dark green; rind 1 inch thick; flesh pink, sweet, a few fibers.
125544. No. 3808. Fruit 17 by $7\frac{1}{2}$ inches, sea green, vermiculated with darker green; rind $\frac{3}{4}$ inch thick; flesh pink, sweet, of good texture.

125545. No. 3811. Fruit subglobose, 11 inches in diameter, green white with irregular stripes of two shades of pale green, mixed; rind 1 inch thick; flesh is mostly white, some pale yellow, stained pink around the seeds, rather too firm and with little sugar.

125546. No. 3815. Fruit 19 by 9 inches, grass green with paler narrow blotched stripes; rind 1 inch thick; flesh pink, becoming yellow near the rind, sweet, some fiber.

Nos. 125547 to 125557. From Balkh, at 1,200 feet altitude, September 18 to 20.

125547. No. 3822. Fruit elongate; flesh pink.

125548. No. 3824. Fruit globose, 9 inches in diameter, grass green; rind $\frac{1}{2}$ inch thick; flesh pink, sweet, of good texture.

125549. No. 3838. Fruit 14 by 12 inches, grass green; rind 1 inch thick; flesh rose, sweet, a few fibers.

125550. No. 3840. Fruit globose, 11 inches in diameter, sea green with traces of vermiculations; rind $\frac{3}{4}$ inch thick; flesh rose, insipid, fibrous.

125551. No. 3842. Fruit subglobose, 11 inches in diameter, green with some darker green vermiculations and some paler green cloudings; rind $\frac{3}{4}$ inch thick; flesh pink, sweet, some fiber.

125552. No. 3844. Fruit 14 by 7 inches, with equal stripes of light and grass green; rind 1 inch thick; flesh pink, broadly yellow next the rind, fairly sweet and of good texture.

125553. No. 3850. Fruit 18 by 12 inches, with equal stripes of grass green and light green, the light green stripes vermiculated with darker green; rind $1\frac{1}{2}$ inches thick; flesh rose, sweet, of good texture.

125554. No. 3851. Fruit 14 by 10 inches, somewhat tapered to the stem end, pale green; rind 1 inch thick; flesh bright rose, sweet, slightly fibrous.

125555. No. 3856. Fruit 14 inches in diameter, pale green vermiculated, with broken stripes of pea green; rind 1 inch thick; flesh yellow with heavy pink staining around the seeds, sweet, of good texture.

125556. No. 3857. Fruit 20 by 10 inches, broad dark-green and narrow light-green stripes, the latter vermiculated; rind 1 inch thick; flesh rose, sweet, some fiber.

125557. No. 3847. Fruit 16 by 11 inches, grass green with darker vermiculations; rind $1\frac{1}{2}$ inches thick; flesh rose, of fair quality.

From France. Trees purchased from Charles Détriché, Angers. Received December 10, 1937.

125558. *PRUNUS AVIUM* L. Amygdalaceae. Mazzard cherry.

125559. *PRUNUS MAHALEB* L. Amygdalaceae. Mahaleb cherry.

125560-125566. *MALUS SYLVESTRIS* Mill. Malaceae. Apple.

125560. *De Jaune.*

125564. *Reinette de Cauw.*

125561. *Gros Locard.*

125565. *Noir de Vitry.*

125562. *Fréquin de Chartres.*

125566. *Surpasse Fréquin.*

125563. *Reinette Clochard.*

125567. *PRUNUS AVIUM* L. Amygdalaceae.

Sweet cherry.

Bigarreau Moreau.

125568-125569. *PRUNUS DOMESTICA* L. Amygdalaceae.

Common plum.

From New York. Scions presented by Dr. H. Wellington, New York Experiment Station, Geneva. Received January 11, 1932. Numbered in November 1937.

125568. *Stanley.*

125569. *Albion.*

125570-125660.

From Afghanistan. Seeds collected by Walter Koelz, Bureau of Plant Industry, United States Department of Agriculture. Received December 10, 1937.

Seeds collected in the summer and autumn of 1937.

125570-125577. *AMYGDALUS PERSICA* L. Amygdalaceae. Peach.

125570. (No Koelz number.) From Kabul. A yellow freestone with a pink cheek, $2\frac{1}{2}$ inches in diameter.

125571. No. 3104. From Gumbaz, at 3,000 feet altitude, July 6. A large almond-shaped peach 3 inches in diameter, probably white-fleshed.

125572. No. 3250. *Shaftaln*. From Jurm, at 7,000 feet altitude, August 7. A globose peach, $1\frac{1}{2}$ inches in diameter; flesh cream, not stained red at pit, a freestone of excellent flavor.

125573. No. 3498. *Shaftaln*. From Khanabad, at 1,500 feet altitude, September 1. Fruit globose, 2 inches in diameter, yellow with pink cheek; flesh white, stained red at pit, a freestone with a flavor rather different from our peaches.

125574. No. 3613. *Shaftaln*. From Mazarisharif, at 1,200 feet altitude, September 7. Fruit 2 inches in diameter, yellow green with pink cheek; flesh cream, stained red at pit; flesh sweet and well-flavored.

125575. No. 3677. *Shaftaln*. From Akcha, September 9, at 1,200 feet altitude. Fruit 2 inches in diameter, pale yellow, heavily clouded pink; flesh cream, stained red at pit, good flavor.

125576. No. 3827. From Balkh, September 19, at 1,200 feet altitude. Tree 15 feet high, 6 inches in diameter. Fruit 2 inches in diameter, pale yellow; flesh creamy yellow, stained red at the pit. A freestone of excellent flavor.

125577. No. 3866. *Shaftaln*. From Saripul, September 11. Fruit $2\frac{1}{4}$ inches in diameter, light yellow with cream-yellow flesh stained more or less at the pit; freestone.

125578. *AMYGDALUS* sp. Amygdalaceae.

No. 3271. From Daraim, at 8,000 feet altitude, August 10. A tree 12 feet high, 18 inches in diameter, on a dry slope; attractive form; fruit bitter.

125579. *JUGLANS REGIA* L. Juglandaceae. Persian walnut.

No. 2905. *Charmagz*. From above Marnakhel, about 6,000 feet altitude, May 20. Nuts thin shelled, said to be of good quality; tree said to be cold resistant.

125580-125587. *MORUS* spp. Moraceae.

125580-125584. *MORUS ALBA* L. White mulberry.

125580. No. 3055. *Ibrahirn Kharie*. From Khanabad, at 1,200 feet altitude, July 2. Fruit 1 by $\frac{1}{2}$ inch, white, rose tinged or purple black, sweet. Mixed fruit from a grafted tree.

Nos. 125581 to 125583. From Chakaran, at 6,000 feet altitude, September 17.

125581. No. 3150. 125583. No. 3152. *Bedana*.

125582. No. 3151.

125584. No. 3183. *Bedana*. From Takia, at 5,000 feet altitude, July 6. Fruit sweet, white, small, nearly seedless.

125585. *MORUS* sp.

No. 3054. *Shahtut*. From Khanabad, at 1,200 feet altitude, July 2. Fruit reddish black, 1 inch by $\frac{3}{4}$ inch, acid, of delicious flavor, firm; flavor resembles that of a good dewberry.

125586. *MORUS* sp.

No. 3155. *Shahtut*. From Chakaran, at 6,000 feet altitude, September 17. Fruit $1\frac{1}{2}$ to $\frac{3}{8}$ inch, red black; flavor pleasantly acid, delicious.

125587. *MOBUS* sp.

No. 3170. *Shahtut*. From Faizabad, at 4,000 feet altitude, July 13. Fruit large, red and black, pleasantly acid; a late variety.

125588. *PISTACIA CABULICA* Stocks. Anacardiaceae.

No. 3309. *Pista*. From Teshkan Pass, at 5,000 feet altitude, August 12. Bushes about 8 feet high, growing on a dry slope that is watered by winter snow. Fruits mango-scented, yellow with pink cheek.

125589-125657. *PRUNUS* spp. Amygdalaceae.125589-125624. *PRUNUS ARMENIACA* L.

Apricot.

Nos. 125589 to 125591. *Zardalu*. From Jalalabad, at about 2,000 feet altitude, May 24. Fruit subglobose, about 2 inches in diameter, pale yellow, very sweet but insipid.

125589. No. 2912.

125591. No. 2914.

125590. No. 2913.

125592. No. 2954. *Zardalu*. From Laghman, May 26. Fruit 1 by 1½ inches, pale yellow; flesh, although rather acid, has a pleasant taste, and the kernels are sweet.

Nos. 125593 to 125597. From Kabul, at 7,000 feet altitude.

125593. No. 2995. June 11. Fruit pale yellow; flesh and kernels sweet.

Nos. 125594 to 125597 were collected June 25.

125594. No. 3028. *Sufedcha*. Fruit 2 inches high, pale yellow; flesh fiberless, low in sugar, kernel sweet.

125595. No. 3029. *Kaisi*. Fruit subglobose, 1½ inches long, pale yellow with rosy cheek, suture deep; flesh white, sweet; kernel edible.

125596. No. 3030. *Zardalu paiwanda*. Fruit subglobose, golden yellow, 2 inches high; flesh yellow, fairly sweet, no fiber; kernel sweet.

125597. No. 3031. *Gulepumba*. Fruit almond-shaped, 2 inches high, green; kernel sweet. Unripe fruit used for flavoring meat.

Nos. 125598 and 125599. From Charikar, June 30, at 6,000 feet altitude.

125598. No. 3041. *Kaisi*. Fruit subglobose, 1½ inches high, pale yellow with pink cheek, suture relatively deep; flesh white, sweet, insipid, no fiber; kernel sweet.

125599. No. 3042. *Zardalu*. Fruit 1½ inches high, golden yellow; flesh firm, fiberless, sweet but insipid; kernel not edible.

Nos. 125600 to 125603. *Zardalu*. From Khanabad, at 1,200 feet altitude, July 3 and 4.

125600. No. 3064. Fruit 1½ inches high, pale yellow, suture shallow; flesh pale yellow, fiberless, very sweet; kernel sweet.

125601. No. 3069. Fruit 2 inches high, golden yellow, fiberless; kernel edible.

125602. No. 3081. Fruit almond-shaped, 2¼ inches high, orange; flesh sweet, fiberless.

125603. No. 3090. Fruit almond-shaped, 1½ inches high, yellow, suture shallow; flesh orange, sweet, fiberless.

Nos. 125604 to 125607. From Faizabad, July 11, at 4,000 feet altitude.

125604. No. 3137. Fruit beaked, 2½ inches high, yellow with suture moderately deep; flesh firm, sweet with little flavor; kernel sweet.

125605. No. 3138. Fruit beaked, 2 inches high, suture shallow, red-cheeked; flesh watery, fiberless; kernel sweet.

125606. No. 3139. Fruit globose, 2½ inches high, golden yellow; flesh sweet, fiberless, very good quality; kernel sweet.

125607. No. 3140. Fruit globose, 1¼ inches high, greenish yellow; flesh pale yellow, sweet, fiberless; kernel sweet.

Nos. 125608 to 125611. From Barak, July 16, at 5,000 feet altitude.

125608. No. 3173. A fruit with sweet kernels.
125609. No. 3174. Another type with sweet kernels.
125610. No. 3175. Seeds collected from dried fruit which was very sweet and candylike, probably pale-fleshed.
125611. No. 3176. Fruit globose, 2½ inches high, yellow; flesh sweet; kernel sweet.
- Nos. 125612 to 125615. *Zardalu*. From Krunn, July 30, at 9,000 feet altitude. Bitter kernels from wild fruits.
125612. No. 3207. 125614. No. 3209.
125613. No. 3208. 125615. No. 3210.
- Nos. 125616 to 125622. *Zardalu*. From Iskarzir, July 31, at 8,500 feet altitude.
125616. No. 3217. With yellow fruit 1½ inches high; kernel sweet.
125617. No. 3218. Fruit quince-shaped, 1¼ inches high, yellow; wild; kernel sweet.
125618. No. 3219. Wild form with fruit subglobose, slightly compressed, yellow, red-cheeked, 1¼ inches high; kernel sweet.
125619. No. 3220. Wild form with yellow, subglobose fruit 1½ inches high, slightly compressed; flesh sweet; kernel bitter.
125620. No. 3221. Wild form with fruit 1½ inches high, golden yellow; kernel sweet.
125621. No. 3222. Wild form with fruit subglobose, slightly compressed, 1½ inches high, golden yellow with trace of pink on cheek; kernel bitter.
125622. No. 3223. Wild form with clingstone fruit, globose, 1¼ inches high, golden yellow; kernel bitter.
125623. No. 3224. *Zardalu*. From Parwara, August 1, at 8,500 feet altitude. Fruit subglobose, yellow, freestone, very large; flesh sweet, kernel sweet. Probably a wild form.
125624. No. 3304. *Zardalu*. From Daraim, August 11, at 8,000 feet altitude. Fruit subglobose, 1½ inches high, yellow; flesh sweet, kernel sweet.
- 125625-125627. PRUNUS AVIUM L. **Sweet cherry.**
125625. No. 3036. *Gelas*. From Paghman, June 27, at 7,500 feet altitude. Fruit crimson, washed orange, watery, not firm like our sweet cherries, good flavor. May be more cold-tolerant than the seeds of others previously collected. Found growing in minus zero temperatures.
125626. No. 3043. *Alubalu*. From Charadeh, June 30, at 7,500 feet altitude. Fruit deep maroon, ¾ inch in diameter, sour. Some forms tolerate heavy frost; others grow where the winters are mild.
125627. No. 3052. *Alubalu*. From Khanabad, July 2, at 1,200 feet altitude. Fruit deep maroon, ¾ inch in diameter, sweet with a sharp tang. The best flavored of its kind so far seen.
- 125628-125636. PRUNUS CERASIFERA Ehrh. **Myrobalan plum.**
- Nos. 125628 to 125630. From Kabul, June 11, at 7,000 feet altitude.
125628. No. 2994. *Alucha*. Fruit 1 inch in diameter, very sweet, yellow, probably also ornamental.
125629. No. 3032. *Tamsok*. Fruit subglobose, 1½ inches in diameter, red-purple, washed yellow, good texture and taste; skin downy.
125630. No. 3033. Fruit subglobose, 1½ inches high, grass green with deep suture; flesh firm, sweet.
- Nos. 125631 to 125634. From Khanabad, July 2 to 4, at 1,200 feet altitude.
125631. No. 3056. *Koksuetani*. Fruit round, 1¼ inches in diameter, dark red and sweet.
125632. No. 3057. *Alucha*. Fruit subglobose, 1 inch in diameter, plum red with pale bloom, sweet.

125633. No. 2068. *Alucha*. Tree 15 feet high, ornamental; fruit 1½ inches in diameter, red, sweet.
125634. No. 3082. *Alucha*. Fruit globose, 1 inch in diameter, yellow, sweet.
Nos. 125635 and 125636. From Takiá, August 12, at 4,500 feet altitude.
125635. No. 3312. *Aluchaisiya*. Fruit globose, 1 inch in diameter, nearly black, tart.
125636. No. 3313. *Aluchaizard*. Fruit globose, 1 inch in diameter, golden yellow, tart.
- 125637-125640. *PRUNUS CERASUS* L. **Sour cherry.**
Nos. 125637 and 125638. From Charikar, June 10.
125637. No. 2992. *Alubalu*. Fruit ¾ of an inch in diameter, deep red, sour.
125638. No. 2993. *Getàs*. Fruit not so large as No. 2992 [P. I. 125637], orange red, sweet, moderately firm.
125639. No. 3134. From Faizabad, July 11, at 4,000 feet altitude. Fruit up to 1 inch in diameter, the largest seen of this species. Tree attractive, of the sweet-cherry type.
125640. No. 3141. *Alubalu*. From Farakar, July 6, at 3,000 feet altitude. Fruit nearly 1 inch in diameter, deep crimson, sweet with a wild tang; best seen so far.
- 125641-125644. *PRUNUS DOMESTICA* L. **Common plum.**
Nos. 125641 and 125642. From Rustak, August 17, at 4,000 feet altitude.
125641. No. 3338. Fruit globose, 2½ inches in diameter, red purple; flesh yellowish, melting, of fine quality.
125642. No. 3339. Fruit prune-shaped, 1½ inches long, purple; flesh yellow, firm, sweet.
125643. No. 3614. *Alu*. From Mazarisharif, September 7, at 1,200 feet altitude. Fruit purple, 1½ inches in diameter; flesh firm, yellowish, of good flavor.
125644. No. 3314. *Arghonjar*. From Takiá, August 12, at 4,500 feet altitude. Fruit globose, 2 inches in diameter, red purple; flesh firm, good.
125645. *PRUNUS* sp.
No. 2978. From Najil, May 30. An ornamental shrub up to 4 feet high, which may stand low temperatures. Flowers probably pink; fruits red, edible.
125646. *PRUNUS* sp.
No. 3040. *Alucha*. From Charikar, June 30, at 6,000 feet altitude. Fruit yellow, 1 inch in diameter, sweet, probably wild and ornamental.
125647. *PRUNUS* sp.
No. 3097. From Khanabad, July 5, at 1,200 feet altitude.
125648. *PRUNUS* sp.
No. 3163. From Pahinshahr, July 16, at 5,000 feet altitude. Shrub up to 4 feet high, growing in field borders; fruit red, edible.
125649. *PRUNUS* sp.
No. 3164. From Sofian, July 18, at 7,000 feet altitude. Shrub found in a field border, up to 4½ feet high; fruit crimson.
125650. *PRUNUS* sp.
No. 3165. From Sofian, July 18, at 7,000 feet altitude. Shrub up to 6 feet high, found in a field border; fruit red, edible.
Nos. 125651 and 125652. From Barak, July 16, at 5,000 feet altitude.

125651. PRUNUS sp.
No. 3177. Fruit globose, 1 inch in diameter, purple red with a fierce tang.
125652. PRUNUS sp.
No. 3178. Fruit subglobose, 1½ inches in diameter, green, unripe.
125653. PRUNUS sp.
No. 3216. From Iskarzir, July 31, at 8,500 feet altitude. Bush about 5 feet high found on dry slopes. Fruit large, crimson, sweet; gathered here for use.
125654. PRUNUS sp.
No. 3273. From Daraim, August 10, at 8,500 feet altitude. A bushy shrub, 4 feet high, found on dry slopes; fruit crimson, edible.
125655. PRUNUS sp.
No. 3311. *Kokisultan*. From Takia, August 12, at 4,500 feet altitude. Fruit 2¼ inches in diameter, green yellow; skin tender; flesh melting, of excellent quality.
125656. PRUNUS sp. 125657. PRUNUS sp.
(No number.) From Kabul. (No number.) From Kabul.
125658. PYRUS sp. Malaceae.
No. 3405. From Chahiab, July 22, at 2,000 feet altitude. An attractive small tree growing wild on dry gumbo hills where no rain falls after May. Fruit green, 2 inches high, flesh sweet and granular.
125659. RUBUS sp. Rosaceae.
No. 3168. From Chakaran, July 18, at 7,000 feet altitude. A creeping plant up to 2 feet long, with white flowers; fruit black, completely covered with bloom.
125660. PRUNUS sp. Amygdalaceae.
No. 3102. *Bedana*. From Takia, July 6, at 3,000 feet altitude. Fruit white, one of the sweetest found.
- 125661-125662.
From Brazil. Plants purchased from José Dierberger, São Paulo. Received December 17, 1937.
125661. CITRUS SINENSIS (L.) Osbeck. Rutaceae. Orange.
Bahianinha Navel.
125662. CITRUS NOBILIS DELICIOSA (Ten.) Swingle. Rutaceae. Mandarin orange.
Tangerino Cravo.
125663. MELILLOTUS OFFICINALIS (L.) Lam. Fabaceae. Yellow sweetclover.
From Canada. Seeds purchased from S. T. B. Bergmann, Wynward, Saskatchewan. Received December 16, 1937.
Redfield, yellow sweetclover.
- 125664-125666. PRUNUS spp. Amygdalaceae.
From Germany. Seeds purchased from Otto Mann, Leipzig. Received December 13, 1937.
125664. PRUNUS AVIUM L. Sweet cherry.
Of German origin.
- 125665 and 125666. PRUNUS MAHALEB L. Mahaleb cherry.
125665. Originally from Yugoslavia. 125666. Originally from France.

125667-125679.

From Austria. Seeds presented by Gustav and Wilhelm Löw, Spiritusfabrik und Raffinerie, Angern, through Lloyd V. Steere, agricultural attaché, Berlin. Received December 9, 1937.

125667. *ARRHENATHERUM ELATIUS* (L.) Beauv. Poaceae. Tall oatgrass.
French Ray grass.

125668. *DACTYLIS GLOMERATA* L. Poaceae. Orchard grass.
Crested dogtail.

125669. *FESTUCA ELATIO* L. Poaceae. Meadow fescue.

125670. *HORDEUM VULGARE* L. Poaceae. Barley.
Summer barley.

125671. *MELILOTUS ALBA* Desr. Fabaceae. White sweetclover.
Bokhara clover.

125672-125673. *PISUM SATIVUM* L. Fabaceae. Pea.

125672. Feed peas. 125673. Winter peas.

125674. *TRisetum FLAVESCENS* (L.) Beauv. (*Avena flavescens* L.). Poaceae.
Grass.

Gold oats. A grass resembling tall meadow-oat grass.

For previous introduction see 110445.

125675-125677. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.

125675. *Angern Early Winter* wheat. 125677. *Kadolz Winter* wheat No. 4.

125676. *Kadolz Winter* wheat No. 3.

125678. *VICIA PANNONICA* Crantz. Fabaceae. Vetch.

Hungarian vetch. An annual vetch, native to Europe and Asia. It makes a less viny growth than common vetch (*Vicia sativa*) or hairy vetch (*V. villosa*), but it is a vigorous grower attaining a full stem length of from 2½ to 3 feet. It is more winter hardy than common vetch and will seldom winterkill as far north as Washington, D. C. This species is especially adapted to poorly drained areas and is the best of the vetches in this regard.

For previous introduction see 103977.

125679. *VICIA SATIVA* L. Fabaceae. Common vetch.

Summer vetch.

125680. *ZEA MAYS* L. Poaceae. Corn.

From Peru. Seeds presented by T. S. Payne, Calca, through G. N. Collins, Bureau of Plant Industry, United States Department of Agriculture. Received December 15, 1937.

125681. *TRIFOLIUM MONTANUM* L. Fabaceae. Clover.

From France. Seeds presented by Dr. J. Dufrenoy, Station de Pathologie Vegetale, Pont-de-la-Maye, Bordeaux. Received December 18, 1937.

For previous introduction see 108709.

125682. *CITRULLUS VULGARIS* Schrad. Cucurbitaceae. Watermelon.

From the Union of Soviet Socialist Republics. Seeds presented through Charles R. Toothaker, Philadelphia Commercial Museum, Philadelphia. Received December 22, 1937.

Originally from the Ukraine; a round melon from 6 to 10 inches in diameter, rind very thin, flesh very red, sweet, and of a delightful flavor.

125683-125714.

From Germany. Plants and scions purchased from Baumschulen Christian Fey, Meckenheim bei Bonn, Bez. Köln. Received December 27, 1937.

- 125683-125696. *MALUS SYLVESTRIS* Mill. Malaceae. **Apple.**
 125683. *Ausbacher Roter.* 125690. *Roter Hauptmannsappel.*
 125684. *Biesterfelder Reinette.* 125691. *Schöner aus Boskoop.*
 125685. *Creo.* 125692. *Wöbers Rambur.*
 125686. *Feys Record.* 125693. *Geheimrat Breuhahn.*
 125687. *Lady Hollendale.* 125694. *Eifeler Rambur.*
 125688. *Peter Broich.* 125695. *Jonas Hannes.*
 125689. *Winterrambour.* 125696. *Luxemburger Renette.*
- 125697-125703. *PRUNUS AVIUM* L. Amygdalaceae. **Sweet cherry.**
 125697. *Bigarreau de St. Charmez.* 125701. *Hedelfinger Riesenkirsche.*
 125698. *Geisspeter.* 125702. *Kassins Frühe.*
 125699. *Grevenbroicher Knorpelkirsche.* 125703. *Uthorn's Wunderkirsche.*
 125700. *Früheste der Mark.*
- 125704-125706. *PRUNUS CERASUS* L. Amygdalaceae. **Sour cherry.**
 125704. *Frühe Ludwigs-kirsche.* 125706. *Spanische Glaskirsche.*
 125705. *Harlemer Doppelte.*
125707. *PRUNUS AVIUM* L. Amygdalaceae. **Sweet cherry.**
Donissens Gelbe Knorpelkirsche.
- 125708-125714. *PYRUS COMMUNIS* L. Malaceae. **Common pear.**
 125708. *Blumenbachs Butterbirne.* 125712. *Sievernicher Mostbirne.*
 125709. *Merveille Ribet.* 125713. *Pleiner Mostbirne.*
 125710. *National Bergamotte.* 125714. *Philippsbirne.*
 125711. *Rising Summer.*
125715. *GOSSEYPIUM.* **Cotton.**
- From Iran. Seeds presented through the Bureau of Entomology and Plant Quarantine, United States Department of Agriculture. Received December 14, 1937.
- 125716-125728.
- From France. Plants purchased from L. Lévassieur, Pépinières Louis Leroy, D'Angers, Angers. Received December 28, 1937.
- 125716-125722. *MALUS SYLVESTRIS* Mill. Malaceae. **Apple.**
 125716. *Cantaloup.* 125720. *Reinette Ontz.*
 125717. *Groseille.* 125721. *Reinette Thouin.*
 125718. *Impériale.* 125722. *Belle du Desert.*
 125719. *Patte de Loup.*
125723. *PRUNUS AVIUM* L. Amygdalaceae. **Sweet cherry.**
De Mezel.
- 125724-125725. *PRUNUS CERASUS* L. Amygdalaceae. **Sour cherry.**
 125724. *Belle de Varenne.* 125725. *Belle de Planchoury.*
- 125726-125727. *PRUNUS DOMESTICA* L. Amygdalaceae. **Common plum.**
 125726. *Bleu de Belgique.* 125727. *Précoce Prolifique.*
125728. *PYRUS COMMUNIS* L. Malaceae. **Common pear.**
President Loubet.

125729-125741.

From Germany. Plants and scions purchased from Phillip W. Werner, Reichelsheim, Odenwald. Received December 28, 1937.

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| 125729. <i>CYDONIA OBLONGA</i> Mill. Malaceae. | Quince. |
| 125730-125731. <i>MALUS SYLVESTRIS</i> Mill. Malaceae. | Apple. |
| 125730. <i>Prinzenapfel.</i> | 125731. <i>Reichelsheimer Weinsapfel.</i> |
| 125732-125733. <i>PRUNUS AVIUM</i> L. Amygdalaceae. | Sweet cherry. |
| 125732. <i>Dossenheimer frühe Schwarze.</i> | 125733. <i>Donissens Gelbe.</i> |
| 125734-125735. <i>PRUNUS DOMESTICA</i> L. Amygdalaceae. | Common plum. |
| 125734. <i>Auerbacher Frühe.</i> | 125735. <i>Frühe Fruchtbare.</i> |
| 125736-125741. <i>PYRUS COMMUNIS</i> L. Malaceae. | Common pear. |
| 125736. <i>Bayerischer Winterbirne.</i> | 125739. <i>Robert de Neufville.</i> |
| 125737. <i>Mollebusch.</i> | 125740. <i>Weilersche Mostbirne.</i> |
| 125738. <i>Oberösterreichische Weinbirne.</i> | 125741. <i>Winterapothekenbirne.</i> |

125742-125749.

From France. Plants purchased from Paul Lecolier, La Celle, Saint Cloud, Seine-et-Oise. Received December 25, 1937.

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| 125742-125748. <i>MALUS SYLVESTRIS</i> Mill. Malaceae. | Apple. |
| 125742. <i>Amère de Berthecourt.</i> | 125746. <i>Grise Dieppoise.</i> |
| 125743. <i>Argile Grice.</i> | 125747. <i>Reinette de Cuzy.</i> |
| 125744. <i>Barbarie.</i> | 125748. <i>Peasegoods Nonsuch.</i> |
| 125745. <i>Bedan.</i> | |
| 125749. <i>PRUNUS AVIUM</i> L. Amygdalaceae. | Sweet cherry. |
| <i>Bigarreau Reverchon.</i> | |

125750-125780.

From Germany. Plants purchased from Rudolf Schmidt, Rellingen, Holstein. Received December 28, 1937.

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| 125750-125770. <i>MALUS SYLVESTRIS</i> Mill. Malaceae. | Apple. |
| 125750. <i>Altenlander Pfannkuchenapfel.</i> | 125761. <i>Nathusius Taubenapfel.</i> |
| 125751. <i>Angler Borsdorfer.</i> | 125762. <i>Ostpreussischer Kurzstiel.</i> |
| 125752. <i>Englischer Winterprinz.</i> | 125763. <i>Purpurroter Cousinot.</i> |
| 125753. <i>Feissers Erstling.</i> | 125764. <i>Rote Sternrenette.</i> |
| 125754. <i>Gelber Winterstettiner.</i> | 125765. <i>Roter Trierische Weinapfel.</i> |
| 125755. <i>Herbstprinz.</i> | 125766. <i>Schmalzprinz.</i> |
| 125756. <i>Horneburger Pfannkuchenapfel.</i> | 125767. <i>Schöner aus Herrnhut.</i> |
| 125757. <i>Johannsens Roter Herbstapfel.</i> | 125768. <i>Schöner aus Miltenberg.</i> |
| 125758. <i>Krugers Dickstiel.</i> | 125769. <i>Schöner aus Nordhausen.</i> |
| 125759. <i>Landsberger Renette.</i> | 125770. <i>Wohlschmeckender.</i> |
| 125760. <i>Martiniapfel.</i> | |
| 125771-125774. <i>PRUNUS AVIUM</i> L. Amygdalaceae. | Sweet cherry. |
| 125771. <i>Dankelmann.</i> | 125773. <i>Werdersche Frühe Herzkirsche.</i> |
| 125772. <i>Frühe Schwarze Altenlander.</i> | 125774. <i>Hellrindige Harzer Vogelkirsch.</i> |
| 125775. <i>PRUNUS MAHALEB</i> L. Amygdalaceae. | Mahaleb cherry. |
| 125776-125777. <i>PRUNUS DOMESTICA</i> L. Amygdalaceae. | Common plum. |
| 125776. <i>Königspflaum von Tours.</i> | 125777. <i>Zesterfleth.</i> |

125778-125780. *PYRUS COMMUNIS* L. Malaceae. Common pear.

125778. *Lubecker Prinzessinbirne*. 125780. *Speckbirne*.

125779. *Rote Herbstbergamotte*.

125781-125782.

From the Union of Soviet Socialist Republics. Seeds presented by the Director, Botanic Garden, Alma Alta, Kazakstan. Received December 20, 1937.

125781. *PAPAVER CROCEUM* Ledeb. Papaveraceae. Poppy.

A perennial poppy, native to rocky situations in Turkistan. The leaves are pinnately divided, and the flowers are orange yellow.

For previous introduction see 107958.

125782. *THALICTRUM PETALOIDEUM* L. Ranunculaceae.

A herbaceous perennial nearly 1 foot high with 3- to 5-parted leaves and smooth, ovate, entire or 3-lobed leaflets. The rather small white flowers are in loose corymbs. Native to northern Asia.

125783. *BROMUS INERMIS* Leyss. Poaceae. Smooth brome grass.

From Canada. Seeds presented by Dr. L. E. Kirk, University of Saskatchewan, Saskatoon, Saskatchewan. Received December 21, 1937.

125784-125853.

From Afghanistan. Seeds and bulbs collected by Walter Koelz, Bureau of Plant Industry, United States Department of Agriculture. Received December 13, 1937.

Collected in the summer and autumn of 1937; unless otherwise mentioned, the material was collected as seeds.

125784-125792. *ALLIUM* spp. Liliaceae.

125784-125789. *ALLIUM CEPA* L. Onion.

125784. No. 3497. From Khanabad, September 1. A mixture of red and white globe and flattened onions.

125785. No. 2974. *Pujaz*. From Laghman, May 27. A locally grown white globe onion.

125786. No. 3065. *Pujaz-i-surkh*. From Khanabad, July 3, at 1,200 feet altitude. A red, flat onion, moderately strong; not the large red-purple one of Kabul.

125787. No. 3132. *Pujaz*. From Faizabad, July 11, at 4,000 feet altitude. A locally grown, flat red onion; a few are yellow and white.

125788. No. 3594. *Pujaz*. From Mazarisharif, September 6, at 1,200 feet altitude. A mixture of red, white, and yellow flat and globe onions.

125789. No. 3775. *Pujaz*. From Saripul, September 13, at 1,500 feet altitude.

125790-125791. *ALLIUM PORRUM* L. Leek.

125790. No. 2958. *Gandana*. From Laghman, May 27.

125791. No. 3597. *Gandana*. From Mazarisharif, September 6, at 1,200 feet altitude.

125792. *ALLIUM SATIVUM* L. Garlic.

No. 3093. *Sir*. Bulbs from Khanabad, July 4, at 1,200 feet altitude.

125793-125794. *BETA VULGARIS* L. Chenopodiaceae. Common beet.

125793. No. 3128. *Lablabu*. From Faizabad, July 2, at 4,000 feet altitude. A variety with a long tapering red root of good quality.

125794. No. 3592. *Lablabu*. From Mazarisharif, September 6, at 1,200 feet altitude. A taper-rooted red beet.

125795-125800. *BRASSICA RAPA* L. Brassicaceae. Turnip.

125795. No. 2968. From Laghman, May 27. A purplish-red variety.

125796. No. 3085. *Shelgarn*. From Khanabad, July 4, at 1,200 feet altitude. A red variety.
125797. No. 3086. *Shelgarn*. From Khanabad, July 4, at 1,200 feet altitude. A white variety.
125798. No. 3130. *Shelgarn*. From Faizabad, July 11, at 4,000 feet altitude.
125799. No. 3595. *Shelgarn*. From Mazarisharif, September 6, at 1,200 feet altitude. A red variety.
125800. No. 3649. From Akcha, September 9, at 1,200 feet altitude.
- 125801-125808. *CAPSICUM FRUTESCENS* L. Solanaceae. **Common redpepper.**
125801. No. 2967. *Filfil-i-surkh*. From Laghman, May 27. Fruit about 3 inches long, red, medium hot.
125802. No. 3067. *Filfil-i-surkh*. From Khanabad, July 3, at 1,200 feet altitude. Fruit bullnosed, red, 2 inches long; flesh sweet; seeds sweet.
125803. No. 3135. *Filfil-i-surkh*. From Faizabad, July 11, at 4,000 feet altitude. Fruit bullnosed, red, 4 inches long, mild.
125804. No. 3136. *Filfil-i-surkh*. From Faizabad, July 11. Fruit red, top-shaped, 2 inches long, mild.
125805. No. 3231. From Hazratsaid, August 2, at 8,000 feet altitude. Fruit scarlet, round, 2 inches in diameter, mild.
125806. No. 3340. *Mirohisurkh*. From Rustak, August 17, at 4,000 feet altitude. Fruit pointed, 2½ inches long, hot, scarlet to crimson, rather tough.
125807. No. 3646. From Akcha, September 9, at 1,200 feet altitude. Fruit bullnosed, 4½ by 1¼ inches, scarlet, fairly hot.
125808. No. 3864. From Mazarisharif, September 22, at 1,200 feet altitude. Fruit blunt nosed, 2½ by 1 inches, scarlet, very tough, fairly hot.
- 125809-125811. *CICER* spp. Fabaceae.
125809. *CICER* sp.
- No. 3161. From Chakaran, July 17, at 8,000 feet altitude. An ornamental shrub found in clumps 18 inches high, growing on dry slopes; used as fodder in Tibet.
125810. *CICER* sp.
- No. 3187. From Sanglech, July 26, at 11,000 feet altitude. A bristly, much-branched perennial, 2 feet high, with blue-purple flowers; growing in dry places.
125811. *CICER ARIETINUM* L. **Chickpea.**
- No. 2960. *Nakhud*. From Laghman, May 27. A useful dry-weather crop.
- 125812-125818. *DAUCUS CAROTA* L. Apiaceae. **Carrot.**
125812. No. 2957. *Gazar*. From Laghman, May 27. Said to be an orange-colored carrot.
125813. No. 3087. *Gajar*. From Khanabad, July 4, at 1,200 feet altitude. Said to be a long orange carrot.
125814. No. 3129. *Zardak*. From Faizabad, July 11, at 4,000 feet altitude. Said to be orange.
125815. No. 3329. From Takia, August 14, at 4,500 feet altitude. A wild carrot, 4 feet high, with white flowers.
125816. No. 3648. From Akcha, September 9, at 1,200 feet altitude. Said to be the local yellow variety.
125817. No. 3865. *Gazar* or *Zardak*. From Mazarisharif, September 23, at 1,200 feet altitude; probably the local yellow carrot; good texture.
125818. No. 3066. *Gajar-i-zard*. From Khanabad, July 3, at 1,200 feet altitude. Said to be a long yellow carrot.

125819. *LACTUCA SERRIOLA* L. Cichoriaceae. **Prickly lettuce.**
No. 3058. From Khanabad, July 2, at 1,200 feet altitude.
For previous introduction see 115192.
125820. *LACTUCA* sp. Cichoriaceae.
No. 3227. From Rubat, August 1, at 8,500 feet altitude. A plant 2 to 3 feet high, with purple flowers; found on dry slopes.
- 125821-125823. *LAGENARIA LEUCANTHA* (Duchesne) Rusby. Cucurbitaceae. **Calabash gourd.**
125821. No. 2919. *Surdi Kadu*. From Laghman, May 25, at 3,000 feet altitude. An edible gourd.
125822. No. 3044. *Nasou Kadu*. From Khanabad, July 1, at 1,200 feet altitude. An ornamental cultivated gourd. The ripe fruits are dried, polished, stained, and used as snuff boxes.
125823. No. 3593. *Chob Kadu*. From Mazarisharif, September 6, at 1,200 feet altitude. Said to be a dipper gourd.
125824. *LENS CULINARIS* Medik. Fabaceae. **Lentil.**
No. 2916. *Mash*. From Laghman, May 25, at 3,000 feet altitude. Used like split peas.
- 125825-125829. *LUFFA* spp. Cucurbitaceae.
125825-125828. *LUFFA ACUTANGULA* (L.) Roxb. **Singwa towelgourd.**
125825. No. 2953. *Turai*. From Laghman, May 26, at 3,000 feet altitude.
125826. No. 3172. *Tori*. From Faizabad, July 13, at 4,000 feet altitude. A four-sided fruit used as a vegetable while young.
125827. No. 3600. *Turai-sdiya*. From Mazarisharif, September 6, at 1,200 feet altitude.
125828. No. 3782. *Tori*. From Saripul, September 13, at 1,500 feet altitude. Fruits about 1 foot long and grass green.
125829. *LUFFA AEGYPTIACA* Mill. **Suakwa towelgourd.**
No. 2964. *Turai*. From Laghman, May 27, at 3,000 feet altitude. Young fruits used as a vegetable.
- 125830-125831. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**
125830. No. 3341. *Banjan-i-rumi*. From Rustak, August 17, at 4,000 feet altitude. Fruit red, globose-flattened, 1 by 3 inches.
125831. No. 3512. *Rumi Banjan*. From Khanabad, September 1, at 1,500 feet altitude. Fruit yellow, irregular, flattened, 3½ inches in diameter.
- 125832-125838. *PHASEOLUS* spp. Fabaceae. **Bean.**
125832. *PHASEOLUS ACONITIFOLIUS* Jacq. **Moth bean.**
No. 2909. *Muth*. From Jalalabad, May 24. Used as dry beans.
125833-125835. *PHASEOLUS AUREUS* Roxb. **Mung bean.**
125833. No. 2962. *Myi, Mash*. From Laghman, May 27. One of the best.
125834. No. 2966. *Myi*. From Laghman, May 27. One of the best.
125835. No. 2975. *Mung*. From Gulbahar, May 27.
125836-125838. *PHASEOLUS VULGARIS* L. **Common bean.**
From Laghman, May 25 and 26, at about 3,000 feet altitude.
125836. No. 2915. *Opia, Latagir*. Used as green pods or dry beans.
125837. No. 2941.
125838. No. 2940.
- 125839-125840. *PISUM SATIVUM* L. Fabaceae. **Pea.**
125839. No. 3181. *Mizhik*. From Zebak, July 22, at 10,000 feet altitude. Flowers madder purple.
125840. No. 2923. *Mashang*. From Laghman, May 25.

- 125841-125844. *RAPHANUS SATIVUS* L. Brassicaceae. **Radish.**
 125841. No. 2924. *Tarp.* From Laghman, May 25. A large elongated, black and white radish.
 125842. No. 2961. *Muli.* From Laghman, May 27. A large elongated red radish.
 125843. No. 3088. *Muli.* From Khanabad, July 4, at 1,200 feet altitude. An elongated white summer radish.
 125844. No. 3596. *Muli.* From Mazarisharif, September 6, at 1,200 feet altitude. A mixed sample of red and white summer radishes.
125845. *RHEUM* sp. Polygonaceae.
 No. 3264. From Kargasi Pass, August 9, at 10,000 feet altitude. An attractive species with all parts of the plant covered with warty scales; the petiole is up to 18 inches long and $3\frac{1}{2}$ inches thick, mildly acid, becoming sweeter with age. The fruits and the old leaves are a beautiful crimson.
125846. *RHEUM* sp. Polygonaceae.
 No. 3157. From Chakaran, July 17, at 9,000 feet altitude. An attractive plant growing on rather dry rocky slopes. Petioles and leaves with warty scales; petioles often 2 inches thick and 2 feet long, pleasantly acid; fruits red to maroon.
- 125847-125851. *SOLANUM* spp. Solanaceae.
 125847. *SOLANUM* sp.
 No. 3825. From Balkh, September 18, at 1,200 feet altitude. Growing as a weed in a melon field. A bushy plant, 2 feet high; flowers white; fruit orange colored, $\frac{1}{4}$ inch in diameter, borne in clusters.
- 125848-125851. *SOLANUM MELONGENA* L. **Eggplant.**
 125848. No. 2922. *Bawanjan.* From Laghman, May 25. Fruit long, purple.
 125849. No. 3089. *Banjan.* From Khanabad, July 4. Fruit 12 by 4 inches, purple, good; seeds few; a summer variety.
 125850. No. 3133. *Benjan.* From Faizabad, July 11, at 4,000 feet altitude. Fruit long, purple.
 125851. No. 3774. *Benjan.* From Saripul, September 13, at 1,500 feet altitude. Fruits purple to green purple, 6 by $2\frac{3}{4}$ inches.
125852. *TRAGOPOGON PORRIFOLIUS* L. Cichoriaceae. **Vegetable-oyster.**
 No. 3126. *Salsify.* From Gandocheshma, July 10, at 6,000 feet altitude. A vigorous plant.
125853. *VICIA FABA* L. Fabaceae. **Broadbean.**
 No. 3215. *Bakla.* From Iskarzir, July 31, at 8,500 feet altitude. A common crop.
- 125854-125855.
 From the island of Malta. Seeds presented by the Director of Agriculture, Office of Agriculture, Valetta. Received December 15, 1937.
125854. *CELTIS AUSTRALIS* L. Ulmaceae. **European hackberry.**
 A shade tree, up to 60 feet high, with elmlike foliage and small, purple, edible fruits. Native to the Mediterranean region.
 For previous introduction see 73981.
125855. *SAPINDUS INDICA* Poir. Sapindaceae.
 A small evergreen tree with virgate branches and simple or trifoliolate, linear-lanceolate leaves about 7 inches long. Native to India.
125856. *PISTACIA VERA* L. Anacardiaceae. **Pistachio.**
 From California. Plants growing at the United States Plant Introduction Garden, Chico. Numbered in December 1937.
 A selection from seedlings grown from nuts introduced under P. I. 86372.

125857-125859. *SOLANUM* spp. Solanaceae.

From Peru. Tubers presented by Nicolas E. Esposto, Lima. Received December 31, 1937.

125857. *SOLANUM MEDIANS* Bitter.

From the Botanical Section, College of Agriculture, Lima. A very productive plant whose tubers are smaller than potatoes, being commonly 1 or 2 inches long. They have white crisp flesh of very firm texture, but are not considered good to eat. Native to Peru.

For previous introduction see 62691.

125858. *SOLANUM NEOWEBERBAUERI* Wittm.

A rare wild potato with very small tubers about $\frac{1}{2}$ inch in diameter, several to each plant. The plant belongs to a series of species of which *Solanum maglia* is the most common, occurring in arid sandy situations in Peru.

For previous introduction see 99075.

125859. *SOLANUM WITTMACKII* Bitter.

A native tuberous species growing in peat and rocky soils in the hills near Lima.

For previous introduction see 99109.

125860-126202. *CUCUMIS MELO* L. Cucurbitaceae.

Muskmelon.

From Afghanistan. Seeds collected by Walter Koelz, Bureau of Plant Industry, United States Department of Agriculture. Received December 8, 1937.

Collected in the summer and autumn of 1937.

125860. No. 2911. *Kharbuz*. From the market at Jalalabad, May 24.

125861. No. 2921. *Kharbuza*. From Laghman, May 25. A local mixture.

Nos. 125862 to 125864. From Khanabad, July 1 to 3, at 1,200 feet altitude. Melons from Khanabad are famous for sweetness and flavor.

125862. No. 3045. *Kharbuza*. From the bazar; probably a mixture.

125863. No. 3051. *Zamburcha Gannak*. Fruit subglobose, 6 inches long, yellowish brown with rib stripes of lighter brown, often with a trace of netting, scented; flesh $1\frac{1}{2}$ inches thick, melting, sweet, not fragrant; much like the South Indian *Sharbatanar*.

125864. No. 3062. *Gurgaf*. Fruit subglobose, 10 inches long, yellow with island blotches of dark green, obscurely netted; flesh 3 inches thick, greenish white, sweet.

125865. No. 3096. *Zermitin*. From Khundus, July 4, at 1,200 feet altitude. Fruit subglobose, 8 inches long, yellow, obscurely netted with islands of green; flesh $2\frac{1}{2}$ inches thick, salmon-colored, sweet.

125866. No. 3246. *Gannak*. From Jurm, August 6, at 7,000 feet altitude. Fruit ovoid, 1 foot long, yellow, blotched green, smooth, indistinctly ribbed green; flesh salmon to green, $1\frac{1}{2}$ to 2 inches thick, sweet.

Nos. 125867 to 125869. From Takia, August 14, at 4,500 feet altitude.

125867. No. 3322. Fruit ovoid, 1 foot long, greenish yellow, mottled with deep green; flesh firm, white, sweet.

125868. No. 3324. Fruit ovoid, 1 foot long, obscurely netted or smooth, yellow blotched with golden brown; flesh $2\frac{1}{2}$ inches thick, white, sweet, fragrant; very good.

125869. No. 3332. Fruit ovoid, 15 inches long, obscurely netted to smooth, pale yellow; flesh white to green, 3 inches thick, sweet, fragrant, fine.

Nos. 125870 to 125882. From Rustak, August 17 and 18, at 4,000 feet altitude.

125870. No. 3342. Fruit flattened, 8 by 6 inches, orange-colored blotched with green, more or less strongly netted; flesh $2\frac{3}{4}$ inches thick, white, fragrant, sweet.

125871. No. 3344. Fruit ovoid, 12 inches long, lemon yellow, blotched and dotted with green, smooth; flesh 2 inches thick, white, sweet.
125872. No. 3345. Fruit flattened, 8 by 6 inches, orange-colored, finely dotted and blotched with green, smooth; flesh 2½ inches thick, white, sweet, fragrant.
125873. No. 3349. Fruit flattened, 10 by 8 inches, pale green, faintly dotted with darker green and blotched with orange; flesh 2½ inches thick, bright salmon, sweet, rare.
125874. No. 3353. *Shahpasand*. Fruit subglobose, 10 inches long, netted, mixed pale yellow to orange and green; flesh 2 inches thick, white, rather firm, sweet.
125875. No. 3357. Fruit rounded elongated, 8 inches long, pale yellow with fine green ribs; flesh 2 inches thick, white, very sweet.
125876. No. 3362. *Bijani*. Fruit elongate, 10 by 6 inches, green, reticulated with darker green and blotched with orange, smooth; flesh 2½ inches thick, green; one of the best.
125877. No. 3363. Fruit elongate, 12 by 6 inches, yellowish green reticulated with darker green, nearly smooth or with traces of netting, ribs green; flesh white, crisp, fine.
125878. No. 3365. Fruit somewhat top-shaped, 10 inches long, yellow, ribbed with orange and obscurely netted; flesh white, 2 inches thick, sweet.
125879. No. 3366. Fruit elongate, 12 by 5½ inches, yellow, blotched with green, ribs of light green, smooth; flesh white, crisp, sweet.
125880. No. 3367. *Chahiabi*. Fruit elongate, 12 by 7 inches, pale green, heavily netted; flesh 1¾ inches thick, crisp, white, sweet.
125881. No. 3369. Fruit ovoid, yellow with blotches of orange green, traces of ribs in pale yellow; flesh white, sweet, fragrant.
125882. No. 3370. *Hakimbiki*. Fruit ovoid, 12 inches long, green, dotted and blotched with darker green, some orange blotching; flesh green, 2 inches thick, sweet, fragrant; one of the best.
- Nos. 125883 to 125896. From Chahiab, August 20 to 22, at 2,000 feet altitude.
125883. No. 3373. *Vijani* or *Bijani*. Fruit elongate, tapered to both ends, 12 by 5 inches, yellow, netted and blotched green and with strong green ribs; flesh green, melting; one of the best.
125884. No. 3374. *Badghahi* (Royal), called in some places *Chahiabi*. Fruit elongate, 12 by 5½ inches, rounded at both ends, more or less netted, green blotched with darker green and sometimes with a little yellow; flesh crisp, 2 inches thick, white, sweet, one of the best.
125885. No. 3375. Fruit elongate, tapering to blossom end, 9½ by 6½ inches, smooth or with a trace of netting, yellow, dotted green with pumpkin ribs of white green; flesh 1½ inches thick, white, sweet.
125886. No. 3376. *Hakimbiki*. Fruit 8 by 6 inches, yellow, dotted and blotched with green, smooth, faintly ribbed, the rib lines pale green; flesh green, 1½ inches thick, melting, one of the best.
125887. No. 3377. *Hakimbiki*. Fruit elongated, 10 by 7 inches, tapering somewhat to the blossom end, greenish yellow, finely dotted with green, strongly netted, pumpkin ribs, marked deep green; flesh green, 1¾ inches thick, between crisp and melting.
125888. No. 3378. Fruit elongate, 10 by 4½ inches, rounded at ends, cream, smooth or somewhat netted; flesh white, 1½ inches thick, crisp, sweet.
125889. No. 3380. *Hakimbiki*. Fruit elongate, 9 by 6½ inches, tapering slightly to the blossom end, yellow with irregular blotched lines of dark green on either side of the pale-green pumpkin ribs; flesh green, 2 inches thick, crisp, sweet.
125890. No. 3383. *Kamyast*. Fruit rounded at ends, 10½ by 6 inches, pale green, dotted and blotched with darker green, smooth; flesh 2 inches thick, white, between crisp and melting, sweet.

125891. No. 3384. *Alepuchok*. Fruit tapering to both ends, 12 by 6 inches, mixed yellow and green with more or less blotching of dark green, smooth; flesh $1\frac{1}{2}$ inches thick, white, sweet, melting.
125892. No. 3387. *Ablak* or *Nazukch*. Fruit elongate, tapering to blossom end, 11 by $5\frac{1}{2}$ inches, yellowish white with irregular unlined blotches of dark green; flesh $1\frac{1}{2}$ inches thick, white, melting, sweet.
125893. No. 3388. *Khurnabadi*. Fruit elongate, 10 by 5 inches, tapering at both ends, lemon yellow, smooth; flesh $1\frac{1}{2}$ inches thick, white to half green, melting, sweet.
125894. No. 3389. *Kandak*. Fruit elongate, 13 by 5 inches, pointed at both ends, yellow and orange, dotted with green; the pale-green, broad ribs are broadly edged with darker green; flesh $1\frac{3}{4}$ inches thick, firm, white, sweet.
125895. No. 3391. Fruit elongate, 8 by 5 inches, rounded at both ends, smooth, orange yellow, dotted with darker yellow or with green, ribs green; flesh salmon, firm, sweet, $1\frac{1}{2}$ inches thick.
125896. No. 3394. *Abinabat*. Fruit elongate, 12 by 5 inches, gray with traces of green blotched ribs; flesh $1\frac{1}{2}$ inches thick, greenish white, sweet, mucilaginous.
125897. No. 3406. From Ikabut, August 24, at 2,000 feet altitude. A mixed sample taken from a field.
Nos. 125898 and 125899. From Rustak, August 25, at 2,000 feet altitude.
125898. No. 3407. Fruit elongated, 7 by $3\frac{1}{2}$ inches, rounded at ends, yellow green, heavily dotted with green; flesh $1\frac{1}{4}$ inches thick, green, insipid.
125899. No. 3408. Fruit globose, 6 inches long, yellow with blotched ribs of orange and green; flesh $1\frac{1}{4}$ inches thick, white, insipid.
Nos. 125900 to 125911. From Tolokhan, August 29, at 2,000 feet altitude.
125900. No. 3411. Fruit subglobose to somewhat elongate, 10 by 8 inches, heavily netted, blotched yellow and orange, some green; flesh $2\frac{1}{2}$ inches thick, white stained green near the rind, firm, sweet.
125901. No. 3416. *Karakus Arkani*. Fruit ovoid, 13 by $7\frac{1}{2}$ inches, wrinkled and furrowed, yellow lengthwise blotches of very dark green; flesh $2\frac{1}{2}$ inches thick, white, firm, sweet. Keeps well.
125902. No. 3421. Fruit tapered, 14 by 5 inches, pale green dotted with darker green and with elongate island blotches of mixed orange and green, coarse heavy netting; flesh $1\frac{3}{4}$ inches thick, greenish, sweet.
125903. No. 3422. Fruit elongate, 10 by $4\frac{1}{2}$ inches, yellow, dotted with green, heavy netting; flesh $1\frac{1}{2}$ inches thick, green, sweet.
125904. No. 3423. *Taraka*. Fruit 18 by 8 inches, yellow clouded green, smooth; flesh 3 inches thick, white, sweet.
125905. No. 3425. Fruit subglobose, $7\frac{1}{2}$ by 7 inches, yellow, dotted with green and blotched with very dark green, pale-green pumpkin ribs; flesh salmon, $1\frac{1}{2}$ inches thick, sweet.
125906. No. 3426. *Kandak*. Fruit elongate, 10 by $4\frac{1}{2}$ inches, yellow, heavily dotted and line blotched with dark green; flesh greenish white, $1\frac{1}{2}$ inches thick, crisp, sweet.
125907. No. 3431. Fruit subglobose, 8 by 6 inches, lemon dotted orange, spotted green, coarse netting; flesh 2 inches thick, white, stained salmon toward cavity, sweet.
125908. No. 3434. Fruit elongate, 10 by 5 inches, smooth, lemon dotted with green; flesh green, $1\frac{1}{2}$ inches thick, fair.
125909. No. 3435. Fruit 12 by 6 inches, pale green, dotted and ribbed with darker green, netted. Flesh $2\frac{1}{2}$ inches thick, white, crisp, sweet.
125910. No. 3436. Fruit 14 by 6 inches, lemon-colored, obscurely furrowed; flesh greenish white, 2 inches thick, sweet, firm.

125911. No. 3441. Fruit subglobose, 8 inches long, yellow, dotted and blotched with green, smooth; flesh 2 inches thick, white, sweet.
125912. No. 3452. From Hazarbagh, August 27, at 2,000 feet altitude. A mixed sample from irrigated grown fruits.
- Nos. 125913 to 125931. From Khanabad, August 31 and September 1, at 1,500 feet altitude.
125913. No. 3465. Fruit elongate, 8 by 5 inches, green yellow, heavily dotted with green, rib lines of dull-green, smooth; flesh $1\frac{3}{4}$ inches thick, white, crisp, sweet.
125914. No. 3466. Fruit 12 by 5 inches, strongly tapered at ends, smooth, yellow, reticulated and blotched with green; flesh $1\frac{1}{2}$ inches thick, white, sweet.
125915. No. 3469. Fruit 11 by 7 inches, pale yellow dotted and blotched orange and green, faintly indented ribs of lead green, faint netting; flesh $1\frac{1}{4}$ inches thick, salmon-colored, sweet.
125916. No. 3470. *Alichki*. Fruit 19 by $10\frac{1}{2}$ inches, irregularly furrowed green with raised elongate blotches of darker green and orange, firm; flesh 2 inches thick, melting, sweet, white, fine. Seems to be a winter keeper.
125917. No. 3474. Fruit ovoid, 10 by 8 inches, nearly smooth, heavily indented ribs of green yellow, segments gold; flesh 2 inches thick, white, sweet, fair quality.
125918. No. 3479. Fruit 11 by 7 inches, netted, yellow, faintly blotched with orange; flesh white, 2 inches thick, sweet.
125919. No. 3478. Fruit globose, 8 inches in diameter, smooth, yellow, blotched with orange and more or less broadly ribbed green; flesh 2 inches thick, salmon-colored, fair.
125920. No. 3481. Fruit subglobose, 7 inches long, heavily netted, dark green, somewhat blotched with orange; flesh 2 inches thick, green, sweet.
125921. No. 3483. Fruit 14 by 6 inches, abruptly pointed at blossom end, coarsely netted, irregular broad alternating line blotches of orange and yellow with irregular green cloudings; flesh $1\frac{3}{4}$ inches thick, salmon-colored, firm, rather poor quality.
125922. No. 3484. Fruit 9 by 6 inches, orange, dotted green, smooth; flesh white, $1\frac{1}{2}$ inches, sweet, firm.
125923. No. 3486. Fruit elongate, 12 by 5 inches, nearly smooth, yellow with broken broad blotched lines of orange, some green cloudings; flesh $1\frac{3}{4}$ inches thick, green, sweet.
125924. No. 3487. Fruit ovoid, 10 inches long, heavily netted, yellow, dotted green, blotched with darker green; flesh 2 inches thick, white, sweet.
125925. No. 3489. Fruit 12 by 6 inches, pointed at the blossom end, well-indented ribs of pale green, yellow, more or less clouded with green, more or less netted; flesh $1\frac{1}{2}$ inches thick, crisp, white, sweet.
125926. No. 3490. Fruit subglobose, 12 inches long, yellow and green with irregular raised blotches of orange, netted; flesh $2\frac{1}{4}$ inches thick, greenish white, sweet.
125927. No. 3492. Fruit subglobose, 9 inches long, with a smooth hard shell, lemon sprinkled with green; flesh $1\frac{1}{2}$ inches thick, green, sweet.
125928. No. 3493. Fruit globose, 8 inches in diameter, wrinkled and furrowed, orange yellow, no netting; flesh $2\frac{1}{4}$ inches thick, white, juicy, sweet.
125929. No. 3494. Fruit 12 by 6 inches, smooth with traces of indented ribs, yellow with small blotches of orange and green; flesh greenish white, $1\frac{3}{4}$ inches thick, watery, sweet.
125930. No. 3507. Fruit 13 by 7 inches, deeply indented ribs of green, lemon, more or less netted; flesh $2\frac{1}{4}$ inches thick, cream-colored, turning to green near the rind, sweet.

125931. No. 3515. Fruit ovoid, 12 inches long, dull gray, faintly dotted green, smooth; flesh $1\frac{3}{4}$ inches thick, green, crisp, little sugar; a rare quality in any muskmelon here.

Nos. 125932 and 125933. From Tashkurgan, September 4, at 1,200 feet altitude.

125932. No. 3532. Fruit elongate, 12 inches long, yellow, heavily netted; flesh creamy, $2\frac{1}{2}$ inches thick, sweet.

125933. No. 3537. Fruit globose, 8 inches long, yellow green, dotted green, smooth; flesh $2\frac{1}{2}$ inches thick, creamy green, sweet.

125934. No. 3548. From Khanabad, September 3. Fruit globose, 10 inches long with a hard shell, yellow, blotched and spotted with very dark green, coarsely netted; flesh $2\frac{1}{4}$ inches thick, white, melting sweet.

125935. No. 3549. From Mazarisharif, September 4. Fruit egg-shaped, 10 inches long, yellow, finely dotted with green, netted around the stem end; flesh $1\frac{3}{4}$ inches thick, creamy, crisp, sweet.

Nos. 125936 to 125942. From Balkh, September 5, at 1,200 feet altitude.

125936. No. 3551. Fruit 18 by 7 inches, pointed at ends, yellow, blotched with orange, more or less netted; flesh white, 2 inches thick, sweet.

125937. No. 3552. Fruit ovoid, 12 inches long, yellow, blotched with ochre; coarsely netted; flesh $1\frac{3}{4}$ inches thick, white, sweet.

125938. No. 3554. Fruit 10 by 6 inches, dark green, some yellow, heavy netting; flesh $1\frac{1}{2}$ inches thick, green, crisp, sweet.

125939. No. 3555. Fruit ovoid, 14 inches long, orange, more or less heavily dotted with dark green, closely furrowed; shell cracks with ripping sound when cut; flesh 3 inches thick, white, melting, delicious.

125940. No. 3556. Fruit ovoid, 12 inches long, orange yellow, with darker dots, heavy netting; flesh 2 inches thick, creamy, sweet.

125941. No. 3557. Fruit ovoid, slightly irregular, 10 inches long, smooth, yellow, clouded with orange and green; flesh $1\frac{1}{2}$ inches thick, white, tinged with salmon, very sweet.

125942. No. 3561. Fruit elongate, 14 by 7 inches, yellow dotted green with irregular narrow stripes of darker green, heavy netting; flesh $2\frac{3}{4}$ inches thick, creamy green, crisp, very sweet.

Nos. 125943 to 125960. From Mazarisharif, September 6 and 7, at 1,200 feet altitude.

125943. No. 3567. Fruit 14 by 8 inches, cream yellow, heavily netted; flesh $2\frac{1}{4}$ inches thick, white, sweet.

125944. No. 3571. Fruit subglobose, 4 inches long, smooth, yellow, blotches orange and green; flesh $1\frac{1}{4}$ inches thick, tinted salmon, sweet but firm; with four placentas, the rest of melons with three.

125945. No. 3573. Fruit 12 by 5 inches, yellow with spots of orange and green, heavy loose netting; flesh 2 inches thick, white, sweet.

125946. No. 3576. Fruit globose, 12 inches long, orange and yellow with cloudings of green, heavily netted, shallow-indented ribs; flesh $2\frac{1}{2}$ inches thick, creamy, fine.

125947. No. 3577. Fruit ovoid, 10 inches long, yellow, dotted with green and blotched with very dark green, coarse heavy netting; flesh 2 inches thick, white, crisp, sweet.

125948. No. 3579. Fruit irregularly ovoid, 14 by 8 inches, orange, heavily sprinkled with green, coarsely and heavily netted; flesh $2\frac{1}{2}$ inches thick, white, crisp, sweet.

125949. No. 3581. Fruit ovoid, 16 by 8 inches, smooth except for netting at the stem end, yellow and green marbled, spotted with orange red; flesh $2\frac{1}{4}$ inches thick, creamy white, fine.

125950. No. 3582. Fruit 11 by 7 inches, pale yellow with traces of indented ribs, obscurely netted; flesh $2\frac{1}{4}$ inches thick, creamy, green, crisp, sweet.
125951. No. 3584. Fruit 12 by 6 inches, dark green to more or less orange, with irregular narrow center of green, dotted with darker green in each segment, ribs dull gray green, nearly smooth; flesh 2 inches thick, green, delicious.
125952. No. 3587. Fruit subglobose, $6\frac{1}{2}$ inches long, pale yellow, more or less clouded with green, ribs pale green, more or less netted; flesh 2 inches thick, creamy, sweet.
125953. No. 3588. Fruit 13 by 6 inches, tapered pale-yellow with narrow ribs of green, heavy netting; flesh 2 inches thick, creamy-green, very sweet, crisp.
125954. No. 3589. Fruit elliptical, 10 by 5 inches, shell hard, lemon-yellow, dotted green around the stem end, obscurely netted; flesh cream, $1\frac{1}{2}$ inches thick, sweet, crisp.
125955. No. 3590. Fruit 10 by $5\frac{1}{2}$ inches, pale yellow spotted closely with orange and somewhat with green, broad ribs of green, no netting; flesh $1\frac{3}{4}$ inches thick, white, fine.
- Nos. 125956 to 125960. From Mazarisharif, September 7 at 1,200 feet altitude.
125956. No. 3604. Fruit ovoid, 10 inches long, creamy green with some yellow, more or less netted; flesh 2 inches thick, white, crisp, sweet.
125957. No. 3608. Fruit 14 by $5\frac{1}{2}$ inches, lemon, somewhat sprinkled with green, obscurely netted; flesh 2 inches thick, white, crisp, sweet.
125958. No. 3610. Fruit 10 by 6 inches, nearly smooth, clouded green and yellow with some orange spots; flesh 2 inches thick, white, fine.
125959. No. 3611. Fruit 10 by 8 inches, warty, furrowed, orange yellow, heavily spotted and clouded with green; flesh $3\frac{1}{4}$ inches thick, white, melting, fine.
125960. No. 3612. Fruit 13 by $6\frac{1}{2}$ inches, yellow, blotched with orange, netted; flesh 2 inches thick, cream colored, fine.
- Nos. 12591 to 126004. From Akcha, September 8 to 10, at 1,200 feet altitude.
125961. No. 3615. Fruit double, joined near the blossom end, yellow, dotted green and spotted with very dark green, surface furrowed; flesh $2\frac{1}{2}$ inches thick, white, sweet.
125962. No. 3616. Fruit elongate oval, 13 by 7 inches, smooth, faintly indented green ribs, yellow with some dotting of green and broad broken stripes of orange and green; flesh 2 inches thick, cream-colored, fine.
125963. No. 3617. Fruit globose, 10 inches long, smooth, yellow, dotted green with broken streaks of darker green; flesh $2\frac{1}{4}$ inches thick, white, sweet.
125964. No. 3618. Fruit 14 by 7 inches, smooth, pale-yellow dotted with green; flesh $2\frac{1}{2}$ inches thick, white, sweet.
125965. No. 3619. Fruit ovoid, 10 inches long, yellow, weakly netted; flesh 2 inches thick, white, sweet.
125966. No. 3620. Fruit 16 by 8 inches, tapered at the ends, green, blotched with yellow and some pale dotting, netted; flesh $1\frac{3}{4}$ inches thick, creamy green, sweet, crisp.
125967. No. 3621. Fruit 11 by 8 inches, smooth, yellow, dotted with green and blotched with green yellow; flesh 2 inches thick, white, sweet.
125968. No. 3622. Fruit globose, 10 inches long, green, furrowed; flesh 3 inches thick, white, sweet; four placentas.
125969. No. 3624. Fruit 14 by 8 inches, orange, heavily sprinkled with green, unnetted, much-furrowed surface; flesh creamy, $2\frac{1}{2}$ inches thick, sweet.
125970. No. 3627. Fruit hard shelled, $9\frac{1}{2}$ by 6 inches, orange, reticulated green, and marked with broken stripes of green, coarse netting; flesh 2 inches thick, white, very sweet.

125971. No. 3629. Fruit 14 by 8 inches, very irregular surface, yellow, finely dotted and clouded with green and splashed with darker green, hard shell; flesh 2 inches thick, cream-colored changing to green next the rind, sweet.
125972. No. 3630. Fruit globose, 8 inches long, yellow, heavily obscured by dotting of green, fine netting; flesh 2 inches thick, creamy white, sweet.
125973. No. 3631. Fruit 12 by 6½ inches, yellow, heavily dotted and clouded with orange, nearly smooth, slightly indented ribs of pale yellow; flesh 2 inches thick, creamy white, very sweet.
125974. No. 3633. Fruit ovoid, 12 by 8 inches, yellow, heavily dotted with green, rather deeply indented ribs of pale green with darker edges; flesh 2½ inches thick, cream-colored to green next the rind, fine.
125975. No. 3634. Fruit flattened, 3½ by 5 inches, yellow blotched with orange and dotted with orange green; furrows whitish between ribs; flesh 1¼ inches thick, salmon-colored, fair.
125976. No. 3642. Fruit 15 by 8 inches, pale yellow, finely dotted with green, smooth hard shell; flesh 2 inches thick, white, unripe.
125977. No. 3654. Fruit 12 by 8 inches, yellow, dotted with green, some netting at the stem end; flesh 2 inches thick, creamy.
125978. No. 3650. Fruit ovoid, 10 inches long and deeply furrowed, orange, more or less dotted with green; flesh 3 inches thick, creamy green, sweet.
125979. No. 3656. Fruit ovoid, 10 inches long, surface slightly uneven, dull gray green, finely dotted with green, shell hard; flesh 3 inches thick, firm.
125980. No. 3655. Fruit 12 by 8 inches, white green, dotted and clouded with green, obscurely netted; flesh 1¾ inches thick, white.
125981. No. 3657. Fruit subglobose, 10 inches long, yellow, almost covered with fine dots and cloudings of green, heavy netting, shell hard; flesh 2½ inches thick, white.
125982. No. 3658. Fruit globose, 8 inches long, white green dotted with darker green, indented ribs of green; flesh 1¼ inches thick, white, strange flavor, sweet.
125983. No. 3659. Fruit globose, 8 inches in diameter, smooth, yellow green with broken elongate blotches of green; flesh white, 2 inches thick, melting, fair, six placentas.
125984. No. 3662. Fruit 10 by 8 inches, wrinkled, pale green, some yellow, no netting; flesh 2 inches thick, creamy green, melting, fine.
125985. No. 3664. Fruit nearly smooth, 13 by 6 inches, broad dull-green ribs on pale-green ground, heavily dotted with dark green and blotched green; flesh crisp, sweet, green.
125986. No. 3668. Fruit globose, 8 inches long, very dark green with heavy netting; fruit 2 inches thick, white, sweet.
125987. No. 3670. Fruit 11 by 8½ inches, smooth, yellow, dotted with green, indented ribs of very dark green; flesh 2 inches thick, cream-colored to green toward the rind, sweet.
125988. No. 3674. Fruit 10 by 8 inches, hard shell, yellow and grass green mixed in large patches, coarse heavy netting; flesh 2½ inches thick, white, firm.
125989. No. 3678. Fruit 10 by 7½ inches, cream with broken stripes and dots of grass green, shell hard, faintly indented ribs; flesh 2 inches thick, cream-colored to green toward the rind, sweet.
125990. No. 3679. Fruit globose, 8½ inches in diameter, hard orange shell dotted with white and green, slightly indented ribs of white; flesh 2 inches thick, creamy, sweet.
125991. No. 3680. Fruit globose, 9 inches long, pale green dotted with grass green, narrow rib lines of green; flesh 1¾ inches thick, white, sweet.

125992. No. 3682. Fruit ovoid, 9 inches long with hard shell, yellow dotted green and with broad, much-broken stripes of very dark green; flesh $1\frac{3}{4}$ inches thick, cream-colored to green toward the rind, sweet.
125993. No. 3683. Fruit globose, 8 inches long, yellow, almost obscured by fine grass-green dots, indented ribs; flesh 2 inches thick, creamy white, melting, very sweet.
125994. No. 3685. Fruit globose, 8 inches long, yellow, clouded with green, no netting but furrowed; flesh 2 inches thick, tinged salmon, sweet.
125995. No. 3695. Fruit globose, 10 inches long, yellow with broken blotches of green, deep ribs of pale green; flesh 2 inches thick, creamy, fine.
125996. No. 3697. Fruit flattened, 7 by 9 inches, smooth, pale yellow splashed with orange and green, some green dots, deeply indented ribs of green; flesh 2 inches thick, greenish, fragrant, fair.
125997. No. 3699. Fruit 14 by 6 inches, smooth, greenish yellow with elongate border blotches of dark green; flesh 2 inches thick, creamy, crisp; sweet; with four placentas.
125998. No. 3700. Fruit roughly ovoid, 10 inches long, heavy net at the stem end, orange with obscure broken stripes of dark green; flesh 2 inches thick, creamy white, fine.
125999. No. 3701. Fruit 15 by $6\frac{1}{2}$ inches, pointed at both ends, pale yellow, more or less dotted with green, netted; flesh $1\frac{3}{4}$ inches thick, creamy white, crisp, sweet.
126000. No. 3703. Fruit 8 by 7 inches, somewhat flattened and soft, orange with broad slightly indented ribs of two shades of green, smooth; flesh $2\frac{1}{4}$ inches thick, cream-colored to green toward the rind, good.
126001. No. 3704. Fruit 15 by 6 inches, yellow, dotted green, with broad broken stripes of orange and green, obscurely netted; flesh $1\frac{1}{2}$ inches thick, cream-colored to green toward the rind, firm, sweet.
126002. No. 3707. Fruit 13 by 8 inches, coarsely netted, yellow, blotched with very dark green, faintly indented ribs; flesh $2\frac{1}{4}$ inches thick, creamy white, sweet.
126003. No. 3709. Fruit 16 by 10 inches, yellow, finely dotted and clouded with green, heavily netted; flesh $2\frac{3}{4}$ inches thick, cream-colored to green toward the rind, sweet.
126004. No. 3713. Fruit 14 by 7 inches, yellow with broad broken blotches of grass green and very dark green, more or less strongly netted; flesh creamy white, sweet.
- Nos. 126005 to 126024. From Saripul, September 13, at 1,500 feet altitude.
126005. No. 3731. Fruit 13 by 10 inches, shell hard, heavily furrowed, smooth, lemon yellow, nearly obscured by very dark-green dots; flesh $2\frac{1}{2}$ inches thick, creamy white, unripe.
126006. No. 3732. Fruit globose, 7 inches long, smooth, lemon yellow, nearly obscured by very dark green dotting; flesh 2 inches thick, white, very sweet.
126007. No. 3737. Fruit globose, 7 inches long, yellow, dotted with green and blotched with orange, no netting but wrinkled; flesh $1\frac{1}{2}$ inches thick, creamy white, sweet.
126008. No. 3738. Fruit tapered at ends, lemon yellow, traces of coarse netting; flesh $2\frac{1}{4}$ inches thick, creamy, sweet.
126009. No. 3739. Fruit 12 by 5 inches, tapered, no netting, yellow, dotted and with elongated raised blotches of very dark green; flesh $1\frac{1}{2}$ inches thick, green, crisp, sweet.
126010. No. 3743. Fruit 9 by $6\frac{1}{2}$ inches, orange, more or less clouded green and yellow, indented ribs of green; flesh $1\frac{1}{2}$ inches thick, creamy white to green toward the rind, fine.
126011. No. 3744. Fruit 10 by 7 inches, smooth, pale lemon; flesh 2 inches thick, creamy white, fine.

126012. No. 3749. Fruit 9 by 6½ inches, somewhat flattened, faintly indented ribs of green; ground mottled, sea green and white, no netting; flesh 1½ inches thick, green, fine, cavity lined with orange.
126013. No. 3750. Fruit 10 by 7 inches, nearly smooth, yellow with dots of green, heaviest over the stem end; flesh creamy white, sweet.
126014. No. 3752. Fruit 11 by 8 inches, more or less coarsely netted, pale green with heavy splashing of very dark green; flesh 2 inches thick, creamy green, sweet.
126015. No. 3753. Fruit 13 by 6½ inches, irregular surface, no netting, green, dotted and splashed with very dark green; flesh 2 inches thick, creamy white, sweet.
126016. No. 3755. Fruit 13 by 8 inches, rather tapered, obscurely indented ribs, smooth, yellow with much-broken broad stripes of dark green; flesh 2½ inches thick, white, sweet.
126017. No. 3759. Fruit 14 by 5 inches, smooth, pale green dotted with darker green and more or less blotched with orange, broadly ribbed green; flesh 1½ inches thick, green, sweet.
126018. No. 3761. Fruit 9 by 6 inches, pale yellow, furrowed, no netting; flesh 2 inches thick, creamy white, sweet.
126019. No. 3762. Fruit subglobose, 8 inches long, broadly ribbed green, edged irregularly and broadly with green and orange, ground of segments yellow, more or less dotted green; flesh 1½ inches thick, green, more or less tinted salmon, fair.
126020. No. 3764. Fruit somewhat flattened, 7 by 6 inches, smooth, red, brown and yellow with indented ribs of dotted orange; flesh salmon to green toward the rind; fair.
126021. No. 3767. Fruit 12 by 5 inches, yellow, heavily dotted and clouded with dark green, tapered and netted at the stem end; flesh creamy green, sweet.
126022. No. 3769. Fruit 12 by 5 inches, smooth, tapered; flesh 2 inches thick, firm, sweet.
126023. No. 3770. Fruit 10 by 5 inches, lemon yellow, ribbed green, netted; flesh 1¾ inches thick, creamy white, sweet.
126024. No. 3771. Fruit 12 by 5 inches, nearly smooth, yellow, dotted with darker yellow, ribbed green; flesh 1¾ inches thick, creamy white, fair.
- Nos. 126025 to 126029. From Akcha, September 9 to 16, at 1,200 feet altitude.
126025. No. 3784. Fruit ovoid, 8 inches long, green, clouded with orange, netted; flesh 1½ inches thick, green, fine.
126026. No. 3798. Fruit 14 by 7 inches, smooth, abruptly tapered, yellow, dotted with grass green and some blotches of grass green, indented ribs of yellow green irregularly edged with grass green; flesh 2¼ inches thick, creamy, white, sweet.
126027. No. 3799. Fruit 10 by 6 inches, smooth, with large navel, orange yellow with blotches of pale green and dotted with darker green, somewhat indented ribs of pale green, irregularly edged with darker green; flesh 2 inches thick, creamy white, fine; seed cavity 2 inches wide.
126028. No. 3803. *Gaon Khataka*. Fruit 14 by 6½ inches, tapered, green, dotted with darker green and with broad broken stripes of very dark green, heavily netted; flesh 2 inches thick, creamy green, crisp, sweet.
126029. No. 3818. Fruit ovoid, 8 inches long, pale yellow, nearly smooth; flesh 1¾ inches thick, white, sweet.
- Nos. 126030 and 125031. From Balkh, September 20, at 1,200 feet altitude.
126030. No. 3834. Fruit globose, 8 inches long, white with narrow ribs of green, netted; flesh 2 inches thick, creamy white, fine.

126031. No. 3835. Fruit globose, 6 inches long, pale green, dotted with darker green and clouded with orange; flesh $1\frac{1}{2}$ inches thick, creamy white, unripe, tough.

Nos. 126032 and 126033. From Laghman, May 26.

126032. No. 2943. *Kharbuza*. 126033. No. 2950.

Nos. 126034 and 126035. From Kabul, June 10 and 12, at 7,000 feet altitude; fruit probably came originally from India.

126034. No. 2996. Fruit subglobose, 12 inches long, pale yellow, heavily netted; flesh sweet, salmon, about 2 inches thick. Persian melon type.

126035. No. 2997. Fruits very elongate, 14 inches long, yellow, heavily netted; flesh salmon, about 2 inches thick, sweet.

Nos. 126036 to 126043. From Khanabad, July 1 to 4, at 1,200 feet altitude.

126036. No. 3050. *Barganai*. Fruit 18 by 10 inches, tapering at both ends, yellow with islands of green; flesh greenish, melting, very sweet, not fragrant.

126037. No. 3053. *Zamburcha Khandus*. Fruit subglobose to somewhat flattened, 8 inches long, smooth, yellow with greenish rib lines; flesh 2 inches thick, melting, sweet.

126038. No. 3061. *Mazerik*. Fruit ovoid, 12 inches long, whitish, faintly ribbed, faintly netted; flesh white, 2 inches thick, sweet.

126039. No. 3073. Fruit subglobose, 8 inches long, pale yellow to whitish, nearly smooth, rib lines of green, no fragrance; flesh greenish white, $2\frac{1}{2}$ inches thick, extraordinarily sweet, flavorless, crisp.

126040. No. 3074. Fruit globose, 8 inches long, netted, orange yellow, blotched with green; flesh $1\frac{1}{2}$ inches thick, white, sweet, slightly fragrant.

126041. No. 3075. Fruit ovoid, 12 inches long, blotched stripes of nearly equal width, one smooth, pale yellow green, one netted, deep green and orange; flesh white, 3 inches thick, sweet.

126042. No. 3076. Fruit ovoid, 14 inches long, obscurely netted, pale yellow with irregular islands of dark green and orange; flesh crisp, $2\frac{1}{2}$ inches thick, green white, becoming salmon at seed cavity, fragrant, sweet.

126043. No. 3077. Fruit elongate, 18 by 8 inches, pointed at each end, green, netted, unribbed; flesh green, 3 inches thick, sweet.

126044. No. 3099. *Kharbuza*. From Takia, July 6, at 3,000 feet altitude. A mixed sample of local varieties.

126045. No. 3125. *Kharbuza*. From Faizabad, July 10, at 4,000 feet altitude. A mixed sample of local varieties.

Nos. 126046 to 126050. From Jurm, August 6 to 10, at 7,000 feet altitude.

126046. No. 3245. *Kandak*. Fruit elliptical, 12 by 8 inches, pale green, ribbed with darker green; flesh 2 inches thick, salmon, becoming green near the rind, unripe.

126047. No. 3247. Fruit subglobose, 18 inches long, yellow, smooth; flesh 2 inches thick, white, unripe.

126048. No. 3248. *Kandrakh*. Fruit elongate, 12 by 8 inches, tapering to stem, green blotched with darker green, coarsely veined; flesh 3 inches thick, white, unripe.

126049. No. 3249. *Jorube*. Fruit ovoid, 12 inches long, yellow sprinkled with green; flesh 3 inches thick, green, unripe.

126050. No. 3278. Fruit elongate, 12 by 8 inches, smooth, green and yellow with green ribs; flesh 2 inches thick, musky, sweet, salmon color.

Nos. 126051 to 126053. From Takia, August 12 to 14, at 4,500 feet altitude.

126051. No. 3317. Fruit ovoid, 10 inches long, smooth, yellow, ribbed with green; flesh $2\frac{1}{2}$ inches thick, white, fragrant, sweet.

126052. No. 3325. Fruit ovoid, 9 inches long, smooth, green, mottled with yellow, traces of ribs; flesh $2\frac{1}{4}$ inches thick, white, sweet, fragrant.
126053. No. 3327. Fruit 8 by 4 inches, smooth, green with island blotches of very dark green; flesh 2 inches thick, white, crisp, sweet.
126054. No. 3337. *Istanbul*. From Khishin, August 15, at 4,500 feet altitude. Fruit small, flattened, 3 by 2 inches, yellow with red island blotches and a large navel; fragrant and grown only for the odor.
- Nos. 126055 to 126066. From Rustak, August 17 and 18, at 4,000 feet altitude.
126055. No. 3343. Fruit ovoid, 12 by 8 inches, tapered more at the blossom end, wrinkled, yellow and green with islands of very dark green; flesh 2 inches thick, white, sweet.
126056. No. 3350. Fruit flattened, 5 by 6 inches, orange, ribbed with green; flesh bright salmon, fragrant, sweet.
126057. No. 3351. Fruit subglobose, 8 inches long, smooth, yellow; flesh 2 inches thick, sweet, white.
126058. No. 3352. Fruit subglobose, 5 inches long, smooth yellow, traces of indented ribs; flesh $1\frac{1}{2}$ inches thick, salmon, sweet.
126059. No. 3354. Fruit elongate, 12 by 6 inches, yellow with traces of broad broken ribs of green; flesh $1\frac{1}{2}$ inches thick, white, crisp, sweet.
126060. No. 3355. Fruit ovoid, 8 inches long, obscurely netted, yellow, blotched, striped gold and yellow; flesh 2 inches thick, white, sweet, fragrant.
126061. No. 3356. Fruit ovoid, 8 inches long, green ribbed and dotted with darker green, more or less netted; flesh 2 inches thick, sweet.
126062. No. 3358. Fruit somewhat top-shaped, 8 inches long, pale yellow, vermiculated orange, deep pumpkin ribs, ribbed green; flesh $1\frac{1}{2}$ inches thick, white, sweet.
126063. No. 3359. Fruit subglobose, 6 inches long, smooth, cream, with traces of fine green ribs; flesh 1 inch thick, white, sweet.
126064. No. 3360. Fruit ovoid, 12 inches long, smooth, yellow, more or less clouded with green; flesh 2 inches thick, white, sweet.
126065. No. 3361. Fruit ovoid, 12 inches long, cream, smooth; flesh 2 inches thick, white, fragrant, sweet.
126066. No. 3364. Fruit somewhat top-shaped; 10 inches long, smooth, clouded yellow and green; flesh $1\frac{3}{4}$ inches thick, white, sweet.
126067. No. 3326. From Takia, August 14, at 4,500 feet altitude. Fruit oval, 8 inches long, orange green, dotted and blotched with green, more or less smooth; flesh $2\frac{1}{2}$ inches thick, sweet, fragrant, very good.
- Nos. 126068 to 126070. From Rustak, August 18, at 4,000 feet altitude.
126068. No. 3368. Fruit ovoid, 10 by 7 inches, lemon, more or less netted; flesh white, crisp, sweet.
126069. No. 3371. Fruit subglobose, 12 inches long, deep ribs, lemon dotted green; flesh white, poor, keeps well.
126070. No. 3372. Fruit ovoid, 12 inches long, smooth, yellow; flesh white, 2 inches thick; one of the best.
- Nos. 126071 to 126080. From Chahiab, August 21 and 22, at 2,000 feet altitude.
126071. No. 3379. Fruit flattened, $4\frac{1}{2}$ by 5 inches, smooth, orange with paler ribs; flesh salmon, 1 inch thick, musky, sweet.
126072. No. 3381. Fruit 12 by 5 inches, tapering a little at the blossom end, pale green to green yellow, finely dotted and blotched with dark green, more or less coarsely netted; flesh $1\frac{1}{2}$ inches thick, white crisp, sweet.
126073. No. 3382. Fruit 9 by $4\frac{1}{2}$ inches, rounded at the ends, lemon yellow, more or less smooth; flesh $1\frac{1}{2}$ inches thick, white, melting, sweet.

126074. No. 3385. *Shahpasand*. Fruit 9 by 5 inches, tapering slightly toward the blossom end, smooth, orange yellow, ribbed with pale green; flesh 2 inches thick, white, melting, sweet.
126075. No. 3386. Fruit 12 by 6 inches, tapering to blossom end, mostly smooth, yellow with broad broken blotched lines of dark green; flesh 2 inches thick, white, melting, sweet.
126076. No. 3390. Fruit 9 by 5½ inches, tapering toward both ends, smooth, slightly furrowed, lemon yellow; flesh 1½ inches thick, white, sweet, firm.
126077. No. 3392. Fruit 8 by 6 inches, pale yellow, rounded at both ends, netted; flesh white, 2 inches thick, sweet, melting.
126078. No. 3393. Fruit elongate, 12 by 8 inches, tapering toward both ends, yellow, blotched and clouded with green, traces of heavy netting; flesh white, 1½ inches thick, firm, sweet.
126079. No. 3395. Fruit elongate, 12 by 5 inches, tapered to the blossom end, white with firm green ribs and traces of broad ones; flesh 1½ inches thick, white, firm, sweet.
126080. No. 3396. Fruit 12 by 6 inches, rounded at ends, pale yellow with broad, broken, blotched ribs of dark green, heavily netted; flesh 2 inches thick, green, crisp, sweet.
- Nos. 126081 and 126082. From Rustak, August 25, at 2,000 feet altitude.
126081. No. 3409. Fruit subglobose, 7 inches long, dark green, heavily netted; flesh white, 1½ inches thick, fair, rare.
126082. Fruit subglobose, 8 inches long, orange, dotted with darker color, ribbed with pale green; flesh 1¼ inches thick, salmon, firm, sweet, slightly musky. A distinct type.
- Nos. 126083 to 126103. From Tolokhan, August 29, 2,000 feet altitude.
126083. No. 3412. *Zarmitin*. Fruit elongate, 12 by 6 inches, heavily netted, yellow, heavily dotted and blotched with green; flesh green, 1¼ inches thick, very sweet. One of the best.
126084. No. 3413. *Agnabat* or *Sufadak*. Fruit mostly subglobose and mostly subglobose and mostly smooth, 8 by 6 inches, cream, sometimes with thin green rib lines; flesh white, 1½ inches thick, very sweet.
126085. No. 3414. *Majari*. Fruit tapered, 12 by 6 inches, russet yellow, washed green; flesh white, 1¾ inches thick, crisp, sweet.
126086. No. 3417. *Zairi*. Fruit elongated, 17 by 7 inches, mostly smooth, green, washed more or less with yellow; flesh white, 2 inches thick, crisp, sweet.
126087. No. 3415. *Majari*. Fruit tapered, 12 by 5 inches, russet yellow, heavily dotted with green; flesh 1¾ inches thick, crisp, sweet, green.
126088. No. 3418. Fruit elongate, 13 by 5½ inches, green, dotted and ribbed with darker green, traces of netting; flesh 2 inches thick, green, sweet.
126089. No. 3419. *Amiri*. Fruit 12 by 5½ inches, deep green with lighter green ribs and elongate blotches of darker green; flesh 2 inches thick, crisp, white, sweet.
126090. No. 3420. *Urganji*. Fruit 9 by 5 inches, yellow, blotched and dotted with very dark green, traces of coarse netting; flesh 1½ inches thick, green or white, sweet.
126091. No. 3424. Fruit subglobose, 10 by 8 inches, pumpkin ribbed, pale green, yellow blotched with dark green; flesh 2 inches thick, white, fair.
126092. No. 3427. *Khatkhat*. Fruit ovoid, 11 by 6 inches, pumpkin ribbed light green, yellow washed with green; flesh 2 inches thick, white, sweet.
126093. No. 3428. *Joruge*. Fruit subglobose, 9 inches long, yellow, sprinkled and washed with green, traces of netting; flesh 2 inches thick, green, white, sweet.
126094. No. 3429. Fruit the color of grapefruit, smooth; flesh 1½ inches thick, white, sweet.

126095. No. 3430. Fruit subglobose, 7 inches long, pale green with broad broken ribs of orange; flesh green, 2 inches thick, sweet.
126096. No. 3438. Fruit subglobose, 11 by 8 inches, yellow, dotted and spotted green with raised island blotches of green and orange; flesh 2 inches thick, pale salmon, sweet.
126097. No. 3432. Fruit 14 by 6 inches, yellow dotted with green and blotched with very dark green, ribbed pale green; flesh 2 inches thick, white, sweet, fine.
126098. No. 3433. Fruit subglobose, 7 inches long, dull gray, dotted with dark green, smooth, ribbed with pale green; flesh 2 inches thick, green.
126099. No. 3437. Fruit elongate, 10 by 5 inches, smooth, yellow, blotched with orange, narrow ribs of green; flesh 1½ inches thick, white, very sweet.
126100. No. 3439. Fruit 10 by 6 inches, pale green, dotted and blotched along the ribs with very dark green; ribs of pale green; flesh greenish white, 2 inches thick, firm, sweet.
126101. No. 3440. Fruit 10 by 4½ inches, yellow, irregularly dotted with green, traces of heavy netting; flesh 1 inch thick, greenish white, sweet.
126102. No. 3442. Fruit elongate, smooth, 14 by 7 inches, yellow, dotted with green, the dots often collected in clouding and blotching; flesh 1½ inches thick, greenish white, sweet.
126103. No. 3443. Fruit elongate, 15 by 5 inches, wrinkled and warty, yellow, finely dotted with green; flesh 1¼ inches thick, firm, white, sweet. Keeps well.
126104. No. 3446. *Istanbul*. From Rustak, August 30, at 2,000 feet altitude. Fruit 3 by 2 inches, red brown with yellow rib streaks; scented; used only as a plaything.
126105. No. 3449. From Lalamaiden, August 27, at 2,000 feet altitude. A mixed sample; fruit probably grown without irrigation.
- Nos. 126106 to 126126. From Khanabad, August 29 to September 1, at 1,500 feet altitude.
126106. No. 3462. Fruit ovoid, 16 to 18 inches, weight usually 10 to 12 pounds, heavily netted, green, more or less blotched with orange and usually with irregular strips of darker green; flesh 2½ inches thick, cream-colored becoming green toward the rind, crisp, sweet, often excessively so; irrigated. One of the best.
126107. No. 3461. *Hakimbika*. Fruit ovoid, 10 inches long, strong white ribs, segments yellow, blotched green; flesh white, 1½ inches thick, sweet.
126108. No. 3463. Fruit ovoid, 10 inches long, cream-colored, smooth, faintly indented ribs lined often with green; flesh 1½ inches thick, white, rather watery, not very sweet.
126109. No. 3464. Fruit 14 by 10 inches, nearly smooth, deep purple, finely mottled with yellow green, ribs dull gray; flesh 2 inches thick, white, sweet.
126110. No. 3467. Fruit elongate, 12 by 6 inches, pale green blotched with darker green and heavily netted; flesh white, 1½ inches thick, sweet.
126111. No. 3471. Fruit 13 by 7 inches, smooth, cream-colored, with heavily indented ribs; flesh 2 inches thick, white, sweet, slightly watery.
126112. No. 3473. Fruit 11 by 7½ inches, nearly smooth, yellow blotched orange and green, dotted with green; flesh 2½ inches thick, white, sweet.
126113. No. 3475. Fruit globose, 10 inches long, pale yellow, dotted with green and clouded orange and green, nearly smooth; flesh 2 inches thick, white, becoming green near the rind, sweet.
126114. No. 3476. Fruit 15 by 7 inches, nearly smooth, lemon yellow, sprinkled more or less with green; flesh 1½ inches thick, white, sweet, fair quality.
126115. No. 3480. Fruit 21 by 7½ inches, dull gray, dotted with green and blotched with darker green; flesh 2½ inches thick, creamy green, fine, crisp, sweet.

126116. No. 3482. Fruit 12 by 5 inches, pale green, dotted with darker green, broad ribs of dark green; flesh $1\frac{1}{2}$ inches thick, green, sweet.
126117. No. 3485. Fruit oval, 9 inches long, smooth, lemon yellow clouded with green, ribs somewhat indented; flesh $1\frac{3}{4}$ inches thick, white, crisp, sweet.
126118. No. 3488. Fruit ovoid, 12 inches long, netted, yellow with green dots and green and orange blotching; flesh $1\frac{3}{4}$ inches thick, green, fair.
126119. No. 3491. Fruit orange yellow, finely dotted with green, nearly smooth; flesh white, 2 inches thick, sweet.
126120. No. 3495. Fruit 11 by 6 inches, tapering gradually to the blossom end, gray green, dotted with darker green except on the rather broad rib lines, smooth; flesh $1\frac{3}{4}$ inches thick, greenish white, crisp, sweet. One of the best.
126121. No. 3496. Fruit 13 by $4\frac{1}{2}$ inches, green, dotted and vermiculated with darker green except over the rather broad ribs, obscurely netted at the stem end; flesh $1\frac{1}{2}$ inches thick, greenish, crisp, sweet.
126122. No. 3504. Fruit oval, 14 inches long, nearly smooth, lemon yellow, irregularly lined and blotched with orange; flesh $2\frac{1}{2}$ inches thick, white, very sweet.
126123. No. 3505. Fruit 14 by 8 inches, broadly indented ribs, obscurely and strongly netted, green, blotched more or less with dark green and orange; flesh $2\frac{1}{2}$ inches thick, cream-colored turning greenish near the rind, sweet, fine.
126124. No. 3508. Fruit subglobose, 10 inches long, indented ribs of dull gray green, orange yellow, dotted green; flesh white, $1\frac{1}{2}$ inches thick, sweet.
126125. No. 3511. Fruit 11 by 5 inches, yellow, dotted green with broad broken lines of green, more or less strongly netted; flesh white, crisp, sweet, $1\frac{1}{2}$ inches thick.
126126. No. 3513. Fruit subglobose, 10 inches long, yellow, irregularly furrowed, smooth; flesh creamy, $1\frac{1}{2}$ inches thick, juicy, sweet.
- Nos. 126127 to 126136. From Tashkurgan, September 4, at 1,200 feet altitude.
126127. No. 3531. Fruit globose, 8 inches long, nearly smooth, pale yellow with broad stripes of white, centered green, a few blotches of dark green scattered over the melon, distinctive in appearance; flesh $2\frac{1}{4}$ inches thick, white merging into green near the rind, very sweet.
126128. No. 3533. Fruit globose, 6 inches long, dark green with dull-gray ribs, dotted green all over; flesh 2 inches thick, creamy, sweet.
126129. No. 3534. Fruit 10 by 6 inches, heavily netted, lemon yellow, dotted with green; flesh cream, 2 inches thick, sweet.
126130. No. 3535. Fruit flattened, 8 by 4 inches, heavily netted, green; flesh cream green, 2 inches thick, sweet.
126131. No. 3536. Fruit 10 by 6 inches, netted, pale yellow, blotched with orange and green; flesh cream green, crisp, sweet, 2 inches thick.
126132. No. 3538. Fruit globose, 7 inches long, green with long broken net lines; flesh 2 inches thick, green, sweet.
126133. No. 3539. Fruit 8 by 5 inches, smooth, deep green with blotch stripes of yellow green and ribs of dull gray green; flesh 2 inches thick, green, sweet.
126134. No. 3540. Fruit globose, 8 inches long, smooth, green dotted with orange; flesh green, $2\frac{1}{4}$ inches thick, very sweet.
126135. No. 3541. Fruit spherical triangular, 8 inches long, smooth, white clouded with green; flesh cream color changing to green near the rind, 3 inches thick, sweet.
126136. No. 3542. Fruit globose, 8 inches long, irregularly and finely furrowed, green yellow, dotted with green, no netting; flesh $2\frac{3}{4}$ inches thick, white, sweet.

Nos. 126137 to 126139. From Mazarisharif, September 4, at 1,200 feet altitude.

126137. No. 3543. Fruit globose, 10 inches long, dark green with irregular dots of white, more or less broken netting; flesh 3 inches thick, creamy, melting, sweet, but with cucumber flavor near the rind.
126138. No. 3545. Fruit 15 by 6 inches, pale green, heavily netted; flesh 2½ inches thick, green, crisp, sweet.
126139. No. 3547. Fruit 12 inches long, pointed at both ends, yellow with broken stripes of dark green, netted; flesh 2 inches thick, creamy, crisp, sweet.
126140. No. 3553. From Balkh, September 5, at 1,200 feet altitude. Fruit globose, 10 inches long, yellow, faintly dotted with greenish yellow and blotched with green, coarse netting.
- Nos. 126141 to 126145. From Mazarisharif, September 6, at 1,200 feet altitude.
126141. No. 3570. Fruit somewhat flattened, 12 by 11 inches, lime yellow with darker yellow dots, heavily indented ribs of dull gray green; flesh 3½ inches thick, creamy green, delicious.
126142. No. 3572. Fruit ovoid, 12 inches long, cream clouded with light green, heavily netted; flesh 2¾ inches thick, white, crisp, sweet.
126143. No. 3574. Fruit 10 by 5½ inches, pointed at the ends, dark green, heavily netted; flesh 1½ inches thick, very sweet, fine.
126144. No. 3578. Fruit 12 by 9 inches, lemon yellow, warty and shallow furrowed, clouded green, netted at stem end; flesh 3 inches thick, white, delicious.
126145. No. 3586. A mixed sample, obtained from a farmer.
- Nos. 126146 to 126163. From Akcha, September 9, at 1,200 feet altitude.
126146. No. 3623. Fruit hard-shelled, ovoid, 8 inches long, golden orange, nearly free of netting, but surface more or less irregular; flesh 2 inches thick, creamy white, firm, sweet.
126147. No. 3625. Fruit hard-shelled, 10 by 8 inches, lemon yellow, some strong netting; flesh 2 inches thick, white, sweet.
126148. No. 3628. Fruit 16 by 7½ inches, green blotched with darker green, little netting but furrowed; fruit 2 inches thick, creamy, sweet.
126149. No. 3635. Fruit 16 by 6 inches, lime color, heavily dotted green and with broad broken stripes of deep green, strongly netted; flesh 1½ inches thick, creamy to green near the rind, crisp, sweet.
126150. No. 3637. Fruit 14 by 9 inches, deep ribs of pale green, segments green dotted with darker green; flesh 2½ inches thick, white, fine.
126151. No. 3641. Fruit 10 by 6 inches, smooth, pale-yellow, clouded with green; flesh 1½ inches thick, firm, white, unripe.
126152. No. 3647. Fruit hard-shelled, subglobose, 12 inches long, irregular shape and furrowed, yellow with irregular broken narrow stripes of dark green; flesh 2½ inches thick, creamy green, sweet, seeds in 7 placentas.
126153. No. 3651. Fruit 15 by 10 inches, hard-shelled, tapered, yellow green, blotched and dotted with green, coarse long net lines around the stem end; flesh 3 inches thick, white, sweet.
126154. No. 3663. Fruit 11 by 7 inches, with a soft shell, faintly indented ribs, golden yellow, more or less heavily dotted and clouded with green, nearly smooth; flesh 2¼ inches thick, salmon color, fine.
126155. No. 3665. Fruit 14 by 9 inches, netted at stem end, very dark green with some orange-colored clouding; flesh 2½ inches thick, creamy white, sweet.
126156. No. 3671. Fruit subglobose, 9 inches long, smooth with indented ribs, yellow with fine dots of green and blotches of orange; flesh sweet, cream-colored to green next the soft rind.
126157. No. 3673. Fruit subglobose, 8 inches long, with a hard shell, yellow dotted with orange, faintly indented ribs of two shades of green; flesh 2 inches thick, salmon-colored, good.

126158. No. 3675. Fruit 13 by 8 inches with a firm shell, orange colored, nearly obscured by green dotting, surface slightly irregular with indented ribs; flesh $2\frac{1}{2}$ inches thick, creamy, sweet.
126159. No. 3676. Fruit 14 by 9 inches, irregular and furrowed, green dotted with darker green and splashed with very dark green; flesh 2 inches thick, creamy white, fine, melting; seeds in 4 placentas.
126160. No. 3681. Fruit subglobose, 7 inches long, orange gold, blotched with darker yellow, obscurely netted; flesh $1\frac{1}{2}$ inches thick, firm, sweet.
126161. No. 3686. Fruit 8 by 7 inches, somewhat flattened, indented ribs, lined green, mixed sea green and white, smooth; flesh 2 inches thick, green becoming orange at seed cavity, sweet.
126162. No. 3691. Fruit globose, 10 inches long, with hard shell, yellow, more or less obscured by green dotting, heavily netted; flesh white, $2\frac{1}{4}$ inches thick, very sweet.
126163. No. 3706. Fruit 11 by $6\frac{1}{2}$ inches, mottled white and pale green and clouded with yellow, smooth; flesh $1\frac{3}{4}$ inches thick, salmon tinted, sweet.
- Nos. 126164 to 126190. From Saripul, September 12 and 13, at 1,500 feet altitude. Melons from this region are grown without irrigation.
126164. No. 3716. Fruit flattened, 5 by 7 inches, orange colored, heavily netted, broad somewhat indented ribs of pale yellow; flesh $1\frac{1}{2}$ inches thick, salmon-colored, sweet, fibrous; seeds on four placentas.
126165. No. 3728. Fruit 12 by 8 inches, smooth, lemon yellow, dotted green and splashed with orange, deeply indented ribs of pale green, feather-striped with darker green; flesh 2 inches thick, creamy white, fine.
126166. No. 3729. Fruit ovoid, 9 inches long, smooth, grass green clouded with orange; flesh $1\frac{1}{2}$ inches thick, salmon color, sweet.
126167. No. 3730. Fruit 10 by 7 inches, flattened, pale yellow green, heavily dotted with very dark green, smooth; flesh $2\frac{1}{2}$ inches thick, cream, fine, but deteriorates quickly with a cucumber flavor toward the rind.
126168. No. 3733. Fruit globose, 12 inches long with hard shell, lemon yellow, furrowed but not netted; flesh 3 inches thick, creamy white, sweet.
126169. No. 3734. Fruit 14 by 9 inches, orange yellow, dotted and blotched with green, netted coarsely around the stem end; flesh 2 inches thick, white, sweet.
126170. No. 3735. Fruit smooth, 13 by 9 inches, lemon yellow with broad broken stripes of very dark green; flesh $2\frac{1}{2}$ inches thick, white, crisp, sweet.
126171. No. 3736. Fruit 7 by 9 inches, smooth, pale cream, dotted with yellow, obscurely indented ribs of white; flesh $1\frac{3}{4}$ inches thick, greenish white, sweet.
126172. No. 3740. Fruit globose, 8 inches long, pale green, dotted with darker green, faintly indented ribs of paler green, netted; flesh $1\frac{3}{4}$ inches thick, greenish, poor.
126173. No. 3741. Fruit 13 by 7 inches, yellow orange, splashed with green orange, obscurely netted; flesh 2 inches thick, white, sweet.
126174. No. 3472. Fruit $6\frac{1}{2}$ by 8 inches, greenish white, but the ground is nearly obscured by large dots, ribs green white; flesh creamy white, $1\frac{1}{2}$ inches thick, sweet.
126175. No. 3745. Fruit obovoid, 12 by $6\frac{1}{2}$ inches, yellow, dotted and clouded more or less with green, faintly indented ribs of white; flesh $2\frac{1}{4}$ inches thick, sweet, white.
126176. No. 3746. Fruit tapered, 10 by 6 inches, pale yellow, obscurely netted, broad, somewhat indented ribs of white; flesh 2 inches thick, creamy white to green near the rind.
126177. No. 3747. Fruit 10 by 6 inches, smooth, orange clouded with green; flesh creamy green, $1\frac{1}{2}$ inches thick, sweet.

126178. No. 3748. Fruit 14 by 7 inches, green blotched with yellow and orange and dotted with green, broadly ribbed, more or less faint netting; flesh 2 inches thick, creamy white to green near the rind, rather crisp, watery, fairly sweet.
126179. No. 3751. Fruit 10 by 7 inches, obovoid, smooth, lemon yellow heavily dotted with very dark green; flesh $1\frac{1}{2}$ inches thick, poor.
26180. No. 3754. Fruit 9 by 6 inches, yellow, dotted with orange and green, green ribs, coarsely netted; flesh creamy white, sometimes tinted with salmon, 2 inches thick, sweet.
126181. No. 3756. Fruit 14 by 7 inches, smooth, tapered to blossom end, pale yellow, finely dotted with green, obscure ribs of green; flesh $1\frac{1}{2}$ inches thick, creamy green, sweet.
126182. No. 3757. Fruit ovoid, 11 by 8 inches, shell hard, orange yellow, heavily clouded with grass green, coarsely netted; flesh green, 2 inches thick, cream-colored to greenish, crisp, sweet.
126183. No. 3758. Fruit globose, 8 inches long, smooth, yellow, more or less blotched and dotted with orange; flesh 2 inches thick, creamy, sweet.
126184. No. 3760. Fruit obovoid, 7 inches long, smooth, orange-brown, dotted with darker brown and green, faintly indented ribs of pale green bordered with darker green; flesh $1\frac{1}{2}$ inches thick, creamy green, poor.
126185. No. 3763. Fruit 12 by 8 inches, smooth, yellow, dotted with green, indented ribs; flesh 2 inches thick, creamy white, sweet.
126186. No. 3765. Fruit 12 by 7 inches, tapered to the blossom end, pale greenish white, heavily dotted and striped with very dark green, indented ribs of pale green, no netting; flesh 2 inches thick, creamy green, sweet.
126187. No. 3766. Fruit 12 by 8 inches, yellow, dotted with green and clouded with orange; flesh white, sweet.
126188. No. 3768. Fruit 12 by 9 inches, mixed yellow and dark green, heavily netted; flesh 2 inches thick, crisp, sweet.
126189. No. 3772. Fruit 12 by 7 inches, tapered, orange yellow, mottled with darker yellow and green; flesh $1\frac{3}{4}$ inches thick, creamy white, fair.
126190. No. 3773. Fruit smooth, obovoid, 9 inches long, somewhat compressed, orange, more or less dotted with grass green; flesh 2 inches thick, white, very sweet.
- Nos. 126191 to 126196. From Akcha, September 16, at 1,200 feet altitude.
126191. No. 3793. Fruit 9 by 5 inches, somewhat tapered, lemon yellow, heavily obscured by grass-green clouding, heavily netted; fruit $1\frac{1}{4}$ inches thick, green, melting, fragrant, fine.
126192. No. 3796. Fruit ovoid, 13 inches long, surface covered with deep furrows, greenish white, dotted with sea green; flesh 3 inches thick at the stem end to 2 inches at the blossom end, white, juicy, sweet. A winter keeper.
126193. No. 3800. Fruit subglobose, 10 inches long, white, mottled pale sea green and clouded with lemon yellow, smooth, with broadly indented ribs; flesh creamy white, sweet, $2\frac{1}{2}$ inches thick.
126194. No. 3814. Fruit 12 by 7 inches, nearly smooth, pale yellow green, dotted with darker green, broad stripes of pale green edged by irregular blotching of dark green; flesh $2\frac{1}{4}$ inches thick, green, crisp, very firm.
126195. No. 3819. Fruit globose, 10 inches long, lemon yellow splashed with orange, some green dotting, deeply indented ribs; fruit $3\frac{1}{2}$ inches thick, creamy white, fine.
126196. No. 3821. Fruit ovoid, $8\frac{1}{2}$ inches long, nearly smooth, orange yellow with some splashing of grass green, broad netted ribs of yellow green edged with blotched stripes of grass green.

Nos. 126197 to 126202. From Balkh, September 20, at 1,200 feet altitude.

126197. No. 3830. Fruit globose, 10 inches long, green, dotted with darker green and clouded with orange, smooth, indented ribs of pale green; flesh 2 inches thick, creamy white, sweet.
126198. No. 3831. Fruit globose, 5 inches long, coarsely netted, dark green and orange with spotted blotches of white, ribs green white, dotted with darker green; flesh 1½ inches thick, creamy white, fine.
126199. No. 3833. Fruit ovoid, 6 inches long, nearly smooth, bright yellow with faintly indented ribs of yellow, edged broadly with orange; flesh 1½ inches thick, creamy white, fine.
126200. No. 3836. Fruit globose, 8 inches long, yellow, vermiculated darker, smooth; flesh 2 inches thick, creamy white, good.
126201. No. 3841. Fruit 12 by 6 inches, tapered, yellow, nearly obscured by dots of dark green, heavily netted; flesh 1¾ inches thick, green, crisp, sweet.
126202. No. 3854. Fruit globose, 10 inches long, greenish white, faintly indented ribs; flesh 2 inches thick, pale greenish, sweet with strong cucumber odor, possibly unripe.

126203-126233.

From Afghanistan and India. Seeds collected by Walter Koelz, Bureau of Plant Industry, United States Department of Agriculture. Received December 8, 1937.

Unless otherwise noted, material is from Afghanistan.

126203-126212. CUCUMIS spp. Cucurbitaceae.

126203-126209. CUCUMIS SATIVUS L.

Cucumber.

126203. No. 3331. *Tara*. From Takia, August 14, at 4,500 feet altitude. Fruits crook-necked, strongly ridged, 4 feet long. Excellent for salads and pickles when small.

126204. No. 2910. *Badrang*. From Jalalabad, May 24. Fruit about 5 by 8 inches, very tender.

126205. No. 2918. *Badrang*. From Laghman, May 25, at 3,000 feet altitude.

126206. No. 3131. *Badrang*. From Faizabad, July 11, at 4,000 feet altitude. Fruit 8 by 4 inches, locally grown, good quality.

126207. No. 3171. *Taran*. From Faizabad, July 13. A crook-necked much-ridged cucumber, common in India; grows here to 3 feet.

126208. No. 3444. *Badrang*. From Takia, August 30. Fruit 8 by 3½ inches, russet gold, tender for a long period.

126209. No. 3445. *Badrang*. From Takia, August 30. Fruit 14 by 3 inches, russet brown, very good.

126210 and 126211. CUCUMIS MELO L.

Muskmelon.

126210. No. 3318. From Takia, August 12, at 4,500 feet altitude. Fruit oval, 1½ inches long, blotched, striped dark green; found as a weed in fields.

126211. No. 3564. From Balkh, September 5, at 1,200 feet altitude. Fruit oval, 1¾ inches long, lime-yellow with irregular ribs of orange; growing as a weed.

126212. CUCUMIS sp.

No. 3779. *Istanbul*. From Saripul, September 13, at 1,500 feet altitude. Fruit pear-shaped, 2 inches long, yellow, fragrant; grown only for the fragrance.

126213-126224. CUCURBITA MOSCHATA Duchesne.

Cushaw.

126213. No. 2904. From Peshawar, North West Frontier Province, India, May 8. Fruit 14 by 8 inches, orange red, strongly ribbed; flesh 1½ inches thick, yellow.

Nos. 126214 and 126215. From Laghman, May 27, at 3,000 feet altitude.

126214. No. 2970. *Peta Kadu*. 126215. No. 2971. *Halua Kadu*.
 126216. No. 3334. *Kadu*. From Takia, August 15, at 4,500 feet altitude.
 Fruit flattened, 1 foot across, orange pink; flesh moderately sweet, no
 fiber; used like squash.

Nos. 126217 and 126218. From Khanabad, September 1 and 2, at 1,500 feet
 altitude.

126217. No. 3501. *Pilau Kadu*. Fruit 15 by 6 inches, usually slightly con-
 stricted in the middle, closely ribbed, buff pink; flesh without fiber; used
 like squash.

126218. No. 3518. *Ash Kadu*. Fruit 12 inches long, heavily ribbed, dark
 green, blotched with yellow; flesh 2 inches thick, golden yellow, no fiber.

126219. No. 3558. *Pilau Kadu*. From Balkh, September 5, at 1,200 feet
 altitude. Fruit 20 inches long, often crook-necked, buff with islands of
 paler and more or less green clouding; flesh orange yellow, no fiber.

Nos. 126220 and 126221. From Saripul, September 13, at 1,500 feet altitude.

126220. No. 3776. *Maka Kadu*. Fruit pumpkinlike, gray, flattened, 18 inches
 in diameter.

126221. No. 3780. *Urganj*. A long-necked variety.

Nos. 126222 and 126223. From Balkh, September 19 and 20, at 1,200 feet
 altitude.

126222. No. 3828. Fruit 2 feet long, blotched buff-pink and green; flesh
 orange, 2½ inches thick.

126223. No. 3829. Fruit 9 by 6½ inches, deeply ribbed, buff-orange with
 islands of paler orange; flesh orange, 1¾ inches thick.

126224. No. 3860. From Mazarisharif, September 22, at 1,200 feet altitude.
 Fruit obovoid, 12 inches long, deeply and handsomely ribbed, mixed pink-
 buff and buff; flesh 1½ inches thick, orange.

126225-126229. CUCURBITA PEPO L.

Pumpkin.

126225. No. 3035. *Tarbutzabujehl*. From Kabul, June 26, at 7,000 feet alti-
 tude. Fruit globose, 4 inches in diameter; flesh orange; grows as a weed.

Nos. 126226 and 126227. From Khanabad, September 1, at 1,500 feet altitude.

126226. No. 3514. Fruit 2½ inches in diameter, smooth, round, orange; an
 ornamental type.

126227. No. 3517. *Shir Kadu*. Fruit flattened, 12 by 7 inches, usually
 strongly ribbed and indented at both stem and blossom ends, salmon pink
 and two shades of pale green; flesh 2 inches thick, pale yellow, no fiber.

Nos. 126228 and 126229. From Akcha, September 8 and 9, at 1,200 feet
 altitude.

126228. No. 3636. Fruit slightly flattened, 10 by 11 inches, blue green,
 flecked more or less with orange, ribs indented; flesh 2½ inches thick,
 yellow, fibrous, not sweet.

126229. No. 3672. Fruit 12 by 8 inches, dark green, vermiculated darker,
 spotted with orange and striped with orange mixed with yellow; flesh
 1½ inches thick, pale yellow, no fiber.

126230. PHASEOLUS MUNGO L. Fabaceae.

Urd or black gram.

No. 2973. *My*. From Laghman, May 27. The green pods and dried pods
 are used as food; the plant is used as fodder.

For previous introduction see 115490.

126231. PISTACIA VERA L. Anacardiaceae.

Pistachio.

No. 3861. *Pista*. Bears as a shrub 6 feet high, but becomes a tree 15 feet
 high, with a trunk 12 inches in diameter. Does not need summer rain; tol-
 erates a mild winter with an abundance of snow.

126232-126233. *SPINACIA OLERACEA* L. Chenopodiaceae. Common spinach.

126232. No. 2956. *Palak*. From Laghman, May 26.

126233. No. 3599. *Palak*. From Mazarisharif, September 6, at 1,200 feet altitude.

126234-126235. *SOLANUM* spp. Solanaceae.

From Peru. Tubers collected by H. L. Blood, Bureau of Plant Industry, United States Department of Agriculture. Received December 31, 1937.

126234. *SOLANUM* sp.

No. 34. A wild plant found about 12 miles south of Oroya, in the pampas, near an Indian village. Blossoms purple; tubers small and white.

126235. *SOLANUM* sp.

No. 37. A wild plant collected on a hillside about 12 miles south of Oroya, at 11,500 feet altitude, away from any Indian habitation. Plant coarse with a few large tubers, not common.

126236-126237. *ZEA MAYS* L. Poaceae. Corn.

From the Union of South Africa. Seeds presented through the American legation, Pretoria, Transvaal. Received December 31, 1937.

126238. *CINCHONA OFFICINALIS* L. Rubiaceae.

From Africa. Seeds purchased from the Superintendent of Plantations, East African Agricultural Research Station, Amani, Tanganyika. Received December 31, 1937.

A tree, native to the Andes, yielding a bark remarkably rich in quinine which crystallizes readily as quinine sulfate. Received as *Cinchona ledgeriana*, for which *C. officinalis* is now used.

For previous introduction see 118936.

126239-126403.

From Afghanistan. Seeds and bulbs collected by Walter Koelz, Bureau of Plant Industry, United States Department of Agriculture. Received in December 1937.

Collected in the summer and autumn of 1937, and, unless otherwise mentioned, received as seeds.

126239-126247. *ALLIUM* spp. Liliaceae.

126239. *ALLIUM POLYPHYLLUM* Kar. and Kir.

No. 3191. From Sanglech, July 27, at 11,000 feet altitude. A broad and flat-leaved onion up to 30 inches high, with large heads of rose-purple flowers.

For previous introduction see 110779.

126240. *ALLIUM* sp.

No. 2984. From Kail, June 3, at 10,000 feet altitude. Plants 1 foot high, with large heads of magenta-purple flowers, which bloom after the snow has melted, then lie dormant for the long drought.

126241. *ALLIUM ODORUM* L.

No. 3002. From Tera Kotal, June 15. Plant up to 4 feet high, with broad leaves and large heads of blue-purple flowers.

126242. *ALLIUM* sp.

No. 3013. From Gardez, May 20. Bulbs collected in a grain field; probably two species, both up to 18 inches high, and flowers from a globular head of bulblets, one green, one rose.

126243. *ALLIUM* sp.

No. 3160. From Chakaran, July 17, at 8,000 feet altitude. An onion up to 18 inches high, growing on soil now dry; possibly an ornamental.

126244. *ALLIUM* sp.

No. 3192. From Sanglech, July 28, at 11,500 feet altitude. An interesting species, up to 3 feet high, nearly leafless, with heads of rose-purple flowers; grows in dry, bare places.

126245. *ALLIUM OREOPHYLUM* C. A. Mey.

No. 3282. From Daraim, August 10, at 8,500 feet altitude. Plant 18 inches high, flower head 3 inches in diameter; probably rose purple.

126246. *ALLIUM* sp.

No. 3308. From Teshkan, August 12, at 5,000 feet altitude. Plant 1 foot high with flower head 2 inches in diameter; found on a dry slope.

126247. *ALLIUM* sp.

No. 3456. From Tolokhan, August 28, at 2,000 feet altitude. Plant 18 inches high, flower head 2 inches across, found in a dry field.

126248. *ALTHAEA* sp. Malvaceae.

No. 3027. *Guli-khatmir*. From Kabul, June 25. Plant 4 feet high, with habit and leaves like a hollyhock; flowers rose or white with yellow center.

126249. *ALTHAEA* sp. Malvaceae.

No. 3107. From Atinjalao, July 7, at 4,000 feet altitude. Plant up to 3 feet high with hollyhock habit; flowers rose purple, about $2\frac{1}{2}$ inches across.

126250. *AMYGDALUS* sp. Amygdalaceae.

No. 3114. From Khaksar, July 9, at 4,500 feet altitude. A dense shrub up to 2 feet high, growing on dry sunny slopes.

126251. *AMYGDALUS EBUENEA* Spach. Amygdalaceae.

No. 3272. From Daraim, August 10, at 8,500 feet altitude. A bushy shrub 3 to 5 feet high with thorny branches, gray-green, spatulate-oblong leaves less than one-half inch long, and numerous small, sessile, rose-pink flowers appearing before the leaves, followed by drupes less than one-half inch across. Native to Iran in dry stony places.

126252. *ANETHUM GRAVEOLENS* L. Apiaceae.

Dill.

No. 3603. *Shibet*. From Mazarisharif, September 6, at 1,200 feet altitude. Leaves used dry or fresh as a potherb; also used in chutney.

126253. *AQUILEGIA* sp. Ranunculaceae.

No. 3185. From Istakul, July 26, at 10,500 feet altitude. A plant up to 3 feet high, with fragrant, creamy white flowers, spurs tinged purplish.

126254. *ARISAEMA* sp. Araceae.

No. 3112. From Garao, July 2, at 5,000 feet altitude. A dry-ground jack-in-the-pulpit, 2 feet high, with attractive rose-tinted flowers.

126255-126258. *ASTRAGALUS* spp. Fabaceae.126255. *ASTRAGALUS* sp.

No. 3186. From Sanglech, July 26, at 10,000 feet altitude. A bushy plant, 2 to 3 feet high, growing in a torrent bed. Leaves small, flowers small, dainty, tinged rose purple.

126256. *ASTRAGALUS* sp.

No. 3276. From Daraim, August 10, at 8,500 feet altitude. A bushy perennial up to 4 feet high, possibly an ornamental.

126257. *ASTRAGALUS* sp.

No. 3448. From Rustak, August 26, at 2,000 feet altitude. A plant with woolly pods; foliage not seen.

126258. *ASTRAGALUS* sp.

No. 3299. From Daraim, August 11, at 7,000 feet altitude. Plants 3 feet high, found in dry places growing in clumps of 5 or 6 stalks; flowers not seen, seed pods ornamental.

126259-126261. AVENA spp. Poaceae.

Oats.

126259. AVENA FATUA L.

Wild oats.

No. 3149. From Chakaran, July 17, at 6,000 feet altitude. A plant to 3 feet high, with well-developed panicles; occurs scattered in crops; apparently free from smut.

126260. AVENA SATIVA L.

No. 3238. *Jaudor*. From Hazratsaid, August 3, at 8,000 feet altitude. A variety with handsome heads up to 6 inches long.

126261. AVENA sp.

No. 2981. From Daulatshah, June 1. A wild plant found growing in grain fields. Seems to be smut resistant and drought tolerant.

126262. BUPLEURUM sp. Apiaceae.

No. 2942. *Zirra*. From Laghman, May 26. A wild plant used as a spice.

126263. CARDUUS sp. Asteraceae.

No. 3305. From Daraim, August 11, at 7,000 feet altitude. A bushy annual, 1 foot high, found in dry situations; flowers, deep rose purple.

126264. ONOPORDUM sp. Asteraceae.

No. 3348. From Rustak, August 17, at 4,000 feet altitude. A sturdy annual thistle with large heads of rose-purple flowers 3 inches across; an uncommon ornamental, watered by melting snow.

126265-126266. CABUM COPTICUM (L.) Benth. and Hook. Apiaceae.

126265. No. 2972. *Sperki*. From Laghman, May 27. Cultivated for its medicinal qualities.

126266. No. 3601. *Jawani*. From Mazarisharif, September 6, at 1,200 feet altitude. Seeds eaten for indigestion; used in India also as a medicinal plant.

126267-126272. CENTAUREA spp. Asteraceae.

126267. CENTAUREA MOSCHATA L.

No. 3109. From Atinjalao, July 7, at 4,000 feet altitude. An annual about 2 feet high, with attractive heads of yellow flowers 2 inches in diameter.

126268. CENTAUREA DEPRESSA Bieb.

No. 3012. From Gardez, May 20, at 9,000 feet altitude. An annual with simple or branching stems from 12 to 18 inches high, oblong to linear-lanceolate, entire or pinnatifid leaves, and showy heads of blue flowers, larger than those of our cultivated variety. Found as a weed in grainfields.

126269. CENTAUREA sp.

No. 3124. From Gandocheshma, July 10, at 6,000 feet altitude. A perennial with large elliptical leaves and heads of yellow flowers, 2 inches across.

126270. CENTAUREA sp.

No. 3122. From Gandocheshma, July 10, at 6,000 feet altitude. An annual with heads of yellow flowers, $\frac{3}{4}$ inch in diameter; of possible value as an ornamental.

126271. CENTAUREA sp.

No. 3258. From Jurm, August 8, at 7,000 feet altitude. An annual up to 3 feet high, found in rather dry situations, with very attractive heads of yellow flowers.

126272. CENTAUREA sp.

No. 3300. From Daraim, August 11, at 7,000 feet altitude. A perennial 4 feet high, found on dry slopes; flowers single, yellow, and $1\frac{1}{2}$ inches across.

126273. CERCIS sp. Caesalpiniaceae.

No. 3148. From Chakaran, June 17, at 6,000 feet altitude. A shrub or small tree up to 10 feet high, found on dry rocky slopes; flowers deep rose purple, $\frac{3}{8}$ inch across.

126274. *CHRYSANTHEMUM PARTHENIUM* (L.) Bernh. Asteraceae. **Feverfew.**
 No. 3283. From Daraim, August 10, at 8,500 feet altitude. A bushy plant up to 2½ feet high; flower heads 1 inch across with white ray flowers.
 For previous introduction see 40643.
126275. *CHRYSANTHEMUM* sp. Asteraceae.
 No. 3347. From Rustak, August 17, at 4,000 feet altitude. A yarrow-leaved plant up to 2 feet high, with a spike of small yellow flowers resembling golden-rod. Found in dry soil.
126276. *CLEMATIS ORIENTALIS* L. Ranunculaceae.
 No. 3202. From Krunn, July 30, at 9,000 feet altitude. A climbing vine up to 15 feet high, with thin, shiny, pinnate leaves and golden yellow flowers about 1½ inches across.
 For previous introduction see 122829.
126277. *CLEMATIS* sp. Ranunculaceae.
 No. 3252. From the Khash District, August 8, at 8,000 feet altitude. A bush up to 3 feet high with an abundance of white, fragrant flowers; growing on the dry bank of a mountain torrent; rare.
126278. *COLUTEA* sp. Fabaceae.
 No. 3156. From Chakaran, July 17, at 8,000 feet altitude. An attractive, thornless bush up to 5 feet high, with yellow flowers and large inflated, purplish pods. Found in rather dry situations.
126279. *CONVOLVULUS* sp. Convolvulaceae.
 No. 3105. From Gumbaz, July 7, at 3,000 feet altitude. A bushy plant with few leaves and attractive fragrant rose flowers about 1 inch across.
126280. *COTONEASTER* sp. Malaceae.
 No. 3280. From Daraim, August 10, at 8,500 feet altitude. A loosely branched shrub up to 10 feet high, with bright crimson fruit. Found in rather dry situations.
126281. *ROSA* sp. Rosaceae. **Rose.**
 No. 3142. *Grilikhar*. From Faizabad, July 11, at 4,000 feet altitude. An attractive tree about 10 feet high, found on the hills. The fruit is sold in the bazar as an acid flavoring.
126282. *CRATAEGUS* sp. Malaceae.
 No. 3277. From Daraim, August 10, at 8,500 feet altitude. An attractive bush, 10 feet high, with orange fruits.
126283. *DELPHINIUM* sp. Ranunculaceae. **Larkspur.**
 No. 3108. From Atinjalao, July 7, at 4,000 feet altitude. An annual delphinium 18 inches high; flowers yellow to apricot.
126284. *DELPHINIUM* sp. Ranunculaceae. **Larkspur.**
 No. 3123. From Gandocheshma, July 10, at 6,000 feet altitude. A plant 1 inch high, with woolly leaves and pale-yellowish flowers.
126285. *DELPHINIUM* sp. Ranunculaceae. **Larkspur.**
 No. 3269. From Daraim, August 10, at 8,500 feet altitude. An annual plant 4 feet high, with long spikes of yellow flowers.
126286. *DIANTHUS* sp. Silenaceae.
 No. 3106. From Gumbaz, August 7, at 3,000 feet altitude. A plant 1 foot high, growing in clumps with white-fringed flowers about ¾ inch across.
126287. *ELAEAGNUS* sp. Elaeagnaceae.
 No. 3813. From Akcha, September 16, at 1,200 feet altitude. A small attractive tree 12 feet high, growing along irrigation canals. Fruit 1¼ inches long.

126288-126306. EREMURUS spp. Liliaceae.

126288. EREMURUS sp.

No. 2999. *Seech.* From Banzi, June 13, at 8,000 feet altitude. A plant 18 inches high, resembling a hyacinth; flowers scattered, large, pink, very attractive.

126289. EREMURUS sp.

No. 3000. Above Kabul, June 13, at 8,000 feet altitude. Plant 4 feet high, growing in dry places, watered by melting snow; flowers probably green, edged with white; stamens brick red.

126290. EREMURUS sp.

No. 3020. From Nozi, June 22, at 9,000 feet altitude. A broad-leaved form up to 6 feet high, with dense spikes of small white flowers.

126291. EREMURUS sp.

No. 3110. From Garao, July 7, at 5,000 feet altitude. Plant up to 4 feet high, leaves 2 inches long; seed pods $\frac{5}{8}$ inch across; flowers not seen.

126292. EREMURUS sp.

No. 3111. From Garao, July 7, at 5,000 feet altitude. Plants up to $3\frac{1}{2}$ feet high, with bright-yellow flowers.

126293. EREMURUS sp.

No. 3121. *Seech.* From Gandocheshma, July 10, at 6,000 feet altitude. A plant 5 feet high, with leaves 2 inches broad and seed capsules 1 inch in diameter; flowers possibly pink.

126294. EREMURUS sp.

No. 3146. *Seech.* From Chakaran, July 17, at 10,000 feet altitude on a damp slope. A tall species, 6 feet high, with broad leaves and rose-colored flowers.

126295. EREMURUS sp.

No. 3147. *Seech.* From Chakaran, July 17, at 8,500 feet altitude. Plants up to 4 feet high, found on a dry slope.

126296. EREMURUS sp.

No. 3256. From the Khash District, August 8, at 8,000 feet altitude. Plants up to $3\frac{1}{2}$ feet high, found in a dry situation; flowers not seen.

126297. EREMURUS sp.

No. 3257. From the Khash District, August 8, at 8,000 feet altitude. Plants up to $3\frac{1}{8}$ feet high on a dry slope.

126298. EREMURUS sp.

No. 3259. From the Khash District, August 8, at 8,000 feet altitude. Plants up to 3 feet high, growing on a dry slope; flowers not seen.

126299. EREMURUS sp.

No. 3260. From the Khash District, August 8, at 8,000 feet altitude. Plants over 3 feet high, found on dry slopes.

126300. EREMURUS sp.

No. 3263. From Kargasi Pass, August 7, at 10,000 feet altitude. A plant with shining leaves 4 inches broad and large flowers, yellow with deeper centers, $2\frac{1}{2}$ inches across, in dense heads. Found in a dry situation.

126301. EREMURUS sp.

No. 3268. From Kargasi Pass, August 9, at 10,000 feet altitude. A plant 4 feet high with narrow leaves.

126302. EREMURUS sp.

No. 3275. From Daraim, August 10, at 8,500 feet altitude. Plants up to 6 feet high with broad leaves; growing in a rather damp situation.

126303. EREMURUS sp.

No. 3294. From Daraim, August 10, at 8,500 feet altitude. A plant 3 feet high with narrow leaves.

126304. EREMURUS sp.

No. 3302. From Daraim, August 11, at 6,500 feet altitude. A plant 5 feet high with spikes 2½ inches long, of whitish flowers.

126305. EREMURUS sp.

No. 3346. *Seech*. From Rustak, August 17, a species 3½ feet high, with narrow leaves; probably late blooming.

126306. EREMURUS sp.

(No number.) From Badakshan.

126307. FERULA sp. Apiaceae.

No. 3262. *Kamdil*. From Kargasi Pass, August 8, at 8,500 feet altitude. A sturdy umbellifer; grows in dry places and is watered only by winter snow. Plant 7 feet high; leaves used as forage when dry.

126308. GENTIANA sp. Gentianaceae.

No. 3019. From Nozi, June 22, at 9,000 feet altitude. An annual about 1 foot high with large blue-purple flowers; growing on limestone rocks.

126309. GLAUCIUM FLAVUM Crantz. Papaveraceae.**Poppy.**

No. 3199. From Krunn, July 30, at 9,000 feet altitude. A stooing annual poppy 18 inches high, with pale-yellow, madder-scented flowers. Found on dry slopes.

126310. HYACINTHUS sp. Liliaceae.

No. 3008. From Gardez, June 20, at 8,000 feet altitude. A plant 1 foot high, with, probably, blue flowers; found in grain fields.

126311. HYMENOCRATER sp. Menthaceae.

No. 3017. From Nozi, June 22, at 9,000 feet altitude. A shrubby, purple-flowered mint, growing in clumps about a foot high, on dry slopes.

126312. INCARVILLEA sp. Bignoniaceae.

No. 3115. From Garao, July 7, at 4,500 feet altitude. A bushy plant up to 4 feet high, with large rose-colored flowers resembling those of the foxglove.

126313. IRIS sp. Iridaceae.

No. 3159. From Chakaran, July 17, at 8,000 feet altitude. A clumpy iris, growing on slopes now completely dry. Leaves about ½ inch wide; fruit flush with the earth; clumps about 6 inches across.

126314. JUNIPERUS EXCELSA Bieb. Pinaceae.

No. 2907. From above Khudikhel, May 22, at 8,000 feet altitude. Probably becomes a large tree, but the specimens seen were about 18 inches in diameter.

126315. LATHYBUS SATIVUS L. Fabaceae.**Bittervetch.**

No. 3214. *Patuk*. From Skarzir, July 31, at 8,500 feet altitude. A common crop plant.

126316. LEPIDIUM SATIVUM L. Brassicaceae.**Garden cress.**

No. 3598. *Taratezak*. From Mazarisharif, September 6, at 1,200 feet altitude. Leaves used to flavor soup.

126317. LILIUM sp. Liliaceae.

No. 3868. From Ferazhglan Pass, June 6. Bulbs of a blue-white fairy-lily, very fragrant, growing in high places.

126318. LINARIA sp. Scrophulariaceae.

No. 3117. From Gandocheshma, July 8, at 5,000 feet altitude. Growing in clumps 3 feet tall, with madder-maroon flowers.

126319. *LINARIA* sp. Scrophulariaceae.

No. 3265. From Kargasi Pass, August 9, at 10,000 feet elevation. A small perennial, 1 foot high, with brown-purple flowers; margins of the mouth yellow.

126320-126324. *LONICERA* spp. Caprifoliaceae. **Honeysuckle.**126320. *LONICERA* sp.

No. 3169. From Chakaran, July 7, at 8,000 feet altitude. A shrub 4 feet high, with scarlet berries; growing in dry rocks.

126321. *LONICERA* sp.

No. 3182. From Zebak, July 22, at 10,000 feet altitude. A shrub between 4 and 5 feet high, growing on a wet plain. The fruit is covered with a bluish bloom.

126322-126323. *LONICERA MICROPHYLLA* Willd.

From Sanglech, July 27, at 11,000 feet altitude. Found in rather dry places and along with cultivated plants. A small erect, much-branched shrub with oblong or obovate leaves $\frac{1}{2}$ to $\frac{3}{4}$ inch long and small upright or nodding, yellowish-white flowers, followed by orange-red berries. Native to the Himalayan region.

126322. No. 3189.

126323. No. 3190.

126324. *LONICERA* sp.

No. 3197. From below Minjan Pass, July 28, at 12,000 feet altitude. A low bush, 3 feet high, with orange berries; growing on a dry slope.

126325. *MALVA* sp. Malvaceae.

No. 3229. From Rubat, August 1, at 8,500 feet altitude. An annual 3 feet high, with small, pale rose-purple flowers.

126326. *MALVA SYLVESTRIS* L. Malvaceae.

No. 3333. From Takia, August 15, at 4,500 feet altitude.

126327-126329. *MEDICAGO SATIVA* L. Fabaceae. **Alfalfa.**

126327. No. 3094. *Rishka*. From Khanabad, July 4, at 1,200 feet altitude. A common forage crop.

126328. No. 3127. *Rishka*. From Faizabad, July 11, at 4,000 feet altitude. Cultivated locally.

126329. No. 3591. *Shaftal*. From Mazarisharif, September 6, at 1,300 feet altitude. From the market.

126330. *MELILOTUS OFFICINALIS* (L.) Lam. Fabaceae. **Sweetclover.**

No. 3153. From Chakaran, July 17, at 6,000 feet altitude. A forage crop.

126331-126332. *MOMORDICA CHARANTIA* L. Cucurbitaceae. **Balsam-pear.**

126331. No. 2952. *Karela*. From Laghman, May 26.

126332. No. 3781. *Karela*. From Saripul, September 13, at 1,500 feet altitude.

126333. *MORINA* sp. Dipsacaceae.

No. 3266. From Kargasi Pass, August 9, at 10,000 feet altitude. A thistly-leaved perennial of attractive habit, with loose terminal spikes of fragrant yellow flowers.

126334. *NARCISSUS* sp. Amaryllidaceae.

No. 2977. *Narghiz*. From Najil, May 30. A white flower with a golden yellow eye. Bulbs.

126335. *NEPETA* sp. Menthaceae.

No. 3230. From Rubat, August 1, at 8,500 feet altitude. Plants, growing on dry open slopes, with velvety basal leaves and a loose inflorescence, 18 inches high, of small purple flowers.

126336. *NEPETA* sp. Menthaceae.

No. 3295. From Daraim, August 10, at 8,500 feet altitude. Plants growing in large clumps 3 feet high, with an abundance of small blue-purple flowers.

126337. *OENOTHERA LAMARCKIANA* Ser. Onagraceae.

No. 3863. From Mazarisharif, September 22, at 1,200 feet altitude.

126338. *PAPAVER* sp. Papaveraceae.

Poppy.

No. 3193. From Minjan Pass, July 28, at 13,000 feet altitude. A handsome poppy, growing in clumps, 18 inches high; flowers orange red with yellow center, fragrant.

126339. *PAPAVER PAVONINUM* Schrenk. Papaveraceae.

Poppy.

No. 3296. From Daraim, August 10, at 8,500 feet altitude. A bushy hairy annual up to 2 feet high, with an abundance of small scarlet flowers with black centers $1\frac{1}{2}$ inches in diameter. Found in dry places.

For previous introduction see 107960.

126340. *PHLOMIS* sp. Menthaceae.

No. 3336. From Rustak, August 17, at 4,000 feet altitude. A bushy perennial up to 2 feet high, watered by the winter snow; bears yellow flowers until November.

126341. *PISUM* sp. Fabaceae.

No. 2980. From Najil, May 30.

126342. *POLYGONUM* sp. Polygonaceae.

No. 3274. From Daraim, August 10, at 8,500 feet altitude. A tall perennial up to 7 feet high, with creamy fragrant flowers.

126343. *FRANGOS PABULARIA* Lindl. Apiaceae.

No. 3261. *Aghan*. From Kargasi Pass, August 8, at 8,500 feet altitude. A tall plant up to 6 feet high, with an abundance of finely dissected basal leaves which are widely gathered for winter feed. Grown on dry slopes.

126344. *FRANGOS* sp. Apiaceae.

No. 3034. From Nozi, June 24, at 9,000 feet altitude. An umbellifer growing on a dry slope; used as fodder.

126345. *PRIMULA* sp. Primulaceae.

Primrose.

No. 3194. From Minjan Pass, July 28, at 13,000 feet altitude.

126346. *AMYGDALUS EBURNEA* Spach. Amygdalaceae.

No. 2987. *Jira*. From Ishpi, June 7. A low attractive bush 1 foot high, growing on the desert.

For previous introduction and description see 126251.

126347. *PSORALEA* sp. Fabaceae.

No. 3447. From Rustak, August 26, at 2,000 feet altitude. A strong perennial up to 4 feet high, growing on dry ground in the fields that were planted to dry wheat and dry melons. It stays fresh and green all summer and is browsed by cattle. Of possible use as a forage plant in dry places.

126348. *RESEDA* sp. Resedaceae.

No. 3101. From Takia, July 6, at 3,000 feet altitude. Clumps up to 3 feet high, found in dry places.

126349. *RHAMNUS* sp. Rhamnaceae.

No. 2979. *Nehman*. From Najil, May 30. An attractive shrub up to 6 feet high, with long upright branches; fruit small, $\frac{1}{4}$ inch in diameter, blackish, rather insipid, but edible.

126350-126375. *Rosa* spp. Rosaceae.

Rose.

126350. *Rosa* sp.

No. 3047. From Shekhele, June 30, at 8,500 feet altitude. Bush 4 feet high, growing at border of a field; leaves not scented; fruit oval, small, golden yellow.

126351. *Rosa* sp.

No. 3205. From Krunn, July 30, at 9,000 feet altitude. Bush dense, about 8 feet high, very floriferous, leaves not scented.

126352. *Rosa* sp.

No. 3211. From Krunn, July 30, at 9,000 feet altitude. Bush well formed, 6 feet high, floriferous.

126353. *Rosa* sp.

No. 3226. From Iskarzir, July 31, at 8,500 feet altitude. A large, bushy, free-flowering shrub, 10 feet high, leaves not scented.

126354. *Rosa* sp.

No. 3233. From Parwara, August 1, at 8,500 feet altitude. Bush 8 feet high, with fragrant leaves.

Nos. 126355 to 126358. From Hazratsaid, August 3, at 8,000 feet altitude.

126355. *Rosa* sp.126356. *Rosa* sp.

No. 3234. Bush 6 feet high.

No. 3235. Bush 6 feet high.

126357. *Rosa* sp.

No. 3236. A bush up to 4 feet high, with drooping branches.

126358. *Rosa* sp.

No. 3237. Bush 6 feet high; fruits bright crimson.

Nos. 126359 and 126360. From the Khash District, August 8, at 8,000 feet altitude. Bushes up to 4 feet high, growing in hedges at the edge of fields; leaves scented; flowers small, single, yellow.

126359. *Rosa* sp.126360. *Rosa* sp.

No. 3253.

No. 3254.

Nos. 126361 to 126371. From Daraim, August 10, at 8,500 feet altitude.

126361. *Rosa* sp.

No. 3279. Shrub spreading from the roots, 4 feet high; flowers yellow, single.

126362. *Rosa* sp.

No. 3284. Bush 6 feet high with strongly scented leaves.

126363. *Rosa* sp.

No. 3285. Bush 4 feet high with scented leaves.

126364. *Rosa* sp.

No. 3286. Bush 5 feet high, leaves not scented.

126365. *Rosa* sp.

No. 3287. Bush 8 feet high, leaves not scented.

126366. *Rosa* sp.

No. 3288. Bush 4 feet high, with scented leaves.

126367. *Rosa* sp.

No. 3289. Bush 2 feet high, spreading from the root.

126368. *Rosa* sp.

No. 3290. Bush 6 feet high, with scented leaves.

126369. *ROSA* sp.
No. 3291. Bush 5 feet high, leaves not scented.
126370. *ROSA* sp.
No. 3292. Bush 8 feet high with fragrant leaves.
126371. *ROSA* sp.
No. 3293. A mixed sample of outstanding types.
126372. *ROSA* sp.
No. 3303. From Teshkan, August 11, at 6,000 feet altitude. Bush 6 feet high, leaves not scented, flowers single, pink. A common, late-flowering type.
Nos. 126373 and 126374. From Tolokhan, August 28, at 2,000 feet altitude.
126373. *ROSA* sp.
No. 3457. A cultivated plant 8 feet high, bushy, dense, with drooping branches.
126374. *ROSA* sp.
No. 3458. Bush 8 feet high, with drooping branches, differing from No. 3457 [P. I. 126373] in having fruits less elongated.
126375. *ROSA* sp.
No. 3710. From Shiburghan, September 10, at 1,200 feet altitude. A cultivated bush, 8 feet high; leaves not scented.
- 126376-126381. *SALIX* spp. Salicaceae. Willow.
126376. *SALIX* sp.
No. 2986. From Kail, June 3. A pollarded willow.
126377. *SALIX* sp.
No. 3003. *Jangal*. From Gardez, June 16, at 8,000 feet altitude. A pollarded willow, with small nearly linear leaves about 1½ inches long.
126378. *SALIX* sp.
No. 3162. From Chakaran, July 17, at 6,000 feet altitude. A shrubby ornamental willow with small linear leaves.
126379. *SALIX* sp.
No. 3188. From Sanglech, July 26, at 11,000 feet altitude. A small graceful tree up to 15 feet, with bushy top and pale whitish bark.
126380. *SALIX* sp.
No. 3195. From Minjan Pass, July 28, at 12,000 feet altitude. An attractive shrub up to 8 feet high, with small linear-lanceolate leaves. Grows along streams and in dry torrent beds.
126381. *SALIX* sp.
No. 3212. From Iskarzir, July 31, at 8,500 feet altitude. A dense, round-topped, handsome tree 10 feet high, growing along a river.
- 126382-126387. *SALVIA* sp. Menthaceae. Sage.
126382. *SALVIA MOORCROFTIANA* Benth.
No. 2906. From Mamakhel, May 24, at 4,000 feet altitude, on a dry plain. An attractive perennial 18 inches high, with gray-green leaves and pale blue-purple flowers.
For previous introduction see 118081.
126383. *SALVIA* sp.
No. 2998. From Bandzi, June 13, at 8,000 feet altitude. An attractive shrub 2 feet high, growing in dry places. The flowers are large and rose purple.
Nos. 126384 and 126385. From Gandocheshma, July 9, at 5,000 feet altitude.

126384. SALVIA SPINOSA L.

No. 3118. A perennial up to 2½ feet high, with white flowers, the lip yellowish, rimmed with brown.

For previous introduction see 108544.

126385. SALVIA VERBENACA var. OBLONGIFOLIA Benth.

No. 3119. A perennial up to 2 feet high, with spikes of attractive blue-purple flowers and thick rugose leaves. It prefers rather dry open ground.

For previous introduction see 118082.

126386. SALVIA DOMINICA L.

No. 3198. From Tagao-Minjan, June 29, at 9,000 feet altitude. A bushy species with numerous ascending or erect stems over 3 feet high, with triangular-ovate to triangular-oblong leaves and terminal racemes of large flowers; the hood blue-purple, lip yellow, rimmed with brown. Native to Syria.

126387. SALVIA SYLVESTRIS L.

No. 3232. From Hazratsaid, July 2, at 8,000 feet altitude. Plants found in clumps 3 feet high, with long spikes of showy purple flowers.

126388. SCABIOSA sp. Dipsacaceae.

No. 3255. From the Khash District, August 8, at 8,000 feet altitude. Plants growing in clumps up to 2 feet high, with large showy heads, over 2 inches across, of rose-purple flowers.

126389. SENECIO sp. Asteraceae.

No. 3267. From Kargasi Pass, August 9, at 10,000 feet altitude. A perennial 5 feet tall, with open panicles of rather large yellow flowers and large hastate leaves.

126390-126393. TAMARIX spp. Tamaricaceae.**126390. TAMARIX sp.**

No. 3048. From Shuturjangal, June 30, at 5,000 feet altitude. An ornamental shrub up to 5 feet high, with rose-colored flowers, growing in a river bed.

Nos. 126391 and 126392. From Sofian, July 18, at 7,000 feet altitude.

126391. TAMARIX sp.

No. 3166. A loose shrub up to 5 feet high, with large panicles of deep-rose colored flowers; found in river bottoms in gravel.

126392. TAMARIX sp.

No. 3167. A shrub up to 4 feet high, growing in gravelly river bottoms, with spikes of pale-rose flowers.

126393. TAMARIX sp.

No. 3213. From Iskarzir, July 31, at 8,500 feet altitude. A handsome species which becomes a tree with a trunk 1 foot in diameter; flowers deep rose, fragrant, in long slender spikes. Found growing in a river bottom.

126394. TRIFOLIUM sp. Fabaceae.**Clover.**

No. 2969. *Shaftal*. From Laghman, May 27. A biennial or annual clover 18 inches high, with heads of intensely fragrant, rose-colored flowers. In this locality the clover is cut 3 to 5 times a year.

126395. TRIGONELLA FOENUM-GRÆCUM L. Fabaceae.**Fenugreek.**

No. 3602. *Ulba*. From Mazarisharif, September 6, at 1,200 feet altitude. Seeds are used to flavor a sweet rice; leaves apparently not used in Afghanistan.

126396-126401. TULIPA spp. Liliaceae.**Tulip.****126396. TULIPA sp.**

No. 2908. From Mamakhel, May 24, at about 6,000 feet altitude. A small plant 3 inches high, leaves pale, pointed; flowers not seen; found growing on a dry slope.

126397. TULIPA sp.

No. 2983. From Daulatshah, June 1. A tulip with the form of *Tulipa stellata*, but with plain glaucous leaves 1 foot long and golden-yellow, fragrant flowers washed outside with cerise. Grows on mountain peaks and dry rocky slopes.

126398. TULIPA sp.

No. 3007. From Gardez, May 30, at 8,000 feet altitude. A plant 1 foot high, found in grass fields.

126399. TULIPA sp.

No. 3154. From Chakaran, July 17, at 10,000 feet altitude. A tulip 1 foot high, found in rocky soil.

126400. TULIPA sp.

No. 3270. From Daraim, August 10, at 8,500 feet altitude. A tulip 18 inches high, found in a thicket.

126401. TULIPA sp.

No. 3867. From Sirotai, June 20, at 8,000 feet altitude. A tulip 6 inches high; probably the common yellow species.

126402. UNGERNIA sp. Amaryllidaceae.

No. 3450. *Sumbola*. From Rustak, August 27, at 2,000 feet altitude. A plant about 2 feet high, with white flowers; growing in clumps on dry slopes which have no summer rain.

126403. VIOLA sp. Violaceae.

Violet.

No. 3018. From Nozi, June 22, at 9,000 feet altitude. A low form with rosettes of thick, dark-green leaves, veined lighter; growing on dry sunny slopes. Flowers not seen.

126404-126467.

From Panama and Peru. Seeds collected by H. L. Blood, Bureau of Plant Industry, United States Department of Agriculture. Received December 31, 1937.

126404. CHENOPODIUM QUINOA Willd. Chenopodiaceae.

Quinoa.

No. 3. Presented by Dr. Herbert A. Giesecke, American Embassy, Lima, Peru, November 22.

126405. CHRYSANTHEMUM CORONARIUM L. Asteraceae.

No. 4. *Flor del Inca*. From a park in Lima, November 23, 1937. Plant 4 to 5 feet high; ray flowers white with golden yellow near the base, 2 to 3 inches in diameter.

For previous introduction see 122254.

126406. CYPHOMANDRA sp. Solanaceae.

No. 42. *Tomate Chilense*. From the Franciscan monastery, Ayacucho, Peru.

126407-126452. LYCOPERSICON spp. Solanaceae.

Tomato.

126407-126429. LYCOPERSICON ESCULENTUM Mill.

Nos. 126407 and 126408. From the market, Colón, Panama, November 11, 1937. Wild fruit.

126407. No. 1. Fruit flat and deeply ribbed.

126408. No. 2. A mixed sample.

126409. No. 33. From the market, Oroya, Peru, November 27. Cultivated fruit, 1¾ to 3¼ inches in diameter.

Nos. 126410 and 126411. From the market, Huancayo, Peru, November 28, 1937.

126410. No. 39-B. Fruit small and irregular.

126411. No. 39-C. Fruit very small.

Nos. 126412 to 126415. From the market, Ayacucho, Peru, November 30, 1937.

126412. No. 44. Fruit pink, 1½ inches in diameter.

126413. No. 46. Fruit yellow, variable in size.

126414. No. 47. Fruit flat and rough.

126415. No. 48. Fruit small, smooth, scarlet, resembling a cherry.

126416. No. 49. From the roadside, south of La Merced, Peru, December 2, 1937. A wild vine with few blossoms, no ripe fruit.

126417. No. 50. From the bank of the Perené River, Perené Colony, December 2, 1937. A vine sprawling over shrubbery. Fruit large, cherrylike, 1 to 1¾ inches in diameter, 3- to 4-celled, nugget type.

126418. No. 52. A wild cherrylike red fruit growing near a spring on the mountainside east of Perené, Peru, at 2,400 feet altitude.

126419. No. 53. From east of Perené on a mountainside, December 2, 1937. A wild fruit with rough skin.

Nos. 126420 to 126422. From the market at Tarma, Peru, December 2 and 3, 1937.

126420. No. 55. Fruit of plum type, from a miscellaneous display. Grown in the Chanchamayo Valley.

126421. No. 56. A cherrylike fruit.

126422. No. 57. A small cherrylike fruit.

Nos. 126423 and 126424. From the market at Huanuco, Peru, December 5, 1937. Cherrylike fruit, up to 1 inch in diameter.

126423. No. 59.

126424. No. 60.

126425. No. 62. From Chinchao, Peru, December 5, 1937. From the banks of a small tributary of the Rio Huallaga at 3,500 feet altitude. Fruit about the size of a cherry; plants growing wild, but the seed is scattered by the natives.

126426. No. 68. From the banks of the Rio Huallaga, south of Tingo Maria, Peru. A large rough fruit, evidently an escape from cultivation.

126427. No. 32. From the Chanchamayo Valley near Tarma, Peru. Fruits vary in size from ¾ to 1 inch in diameter; plants growing wild.

126428. No. 61. From the market at Huancayo, Peru, December 5. Fruit small, irregular, degenerated.

126429. No. 39-A. From the market at Huancayo, Peru. Fruit 2½ to 3 inches in diameter.

126430. *LYCOPERSICON PIMPINELLIFOLIUM* (Jusl.) Mill.

Currant tomato.

No. 8. From Carabayllo, near Lima, Peru, November 24. A wild tomato with weak, slender stems, compound leaves 1½ to 6 inches long, and racemes of 10 to 25 flowers, followed by red currantlike fruits, less than ½ inch in diameter. Native to Peru.

126431. *LYCOPERSICON PERUVIANUM* (L.) Mill.

No 5. From between Miraflores and Barranco, Peru, November 22, 1937. A sprawling perennial tomato up to 3 feet high, with greenish hairy fruits about ½ inch in diameter. Native to Peru.

126432-126433. *LYCOPERSICON PIMPINELLIFOLIUM* (Jusl.) Mill. **Currant tomato.**

No. 6. From Carabayllo, near Lima, Peru, November 24.

For previous introduction and description see 126430.

126432. No. 6.

126433. No. 7.

126434-126435. *LYCOPERSICON GLANDULOSUM* C. H. Muller.

From the roadside about 5 miles east of Matucana, Peru, at 7,300 feet altitude, November 26, 1937. Two types of woody perennials growing in one clump, but the plants were well intermingled. Fruits greenish white.

126434. No. 30.

126435. No. 31.

126436-126437. *LYCOPERSICON PIMPINELLIFOLIUM* (Jusl.) Mill.

From Carabayllo, near Lima, Peru, November 24, 1937.

For previous introduction and description see 126430.

126436. No. 9.

126437. No. 10.

126438-126443. *LYCOPERSICON GLANDULOSUM* C. H. Muller.

From the Rio Canta Valley between Yangos and Canta, Peru, November 24, 1937, between 5,600 and 8,800 feet altitude. Perennial plants with very small fruits less than 1 inch in diameter.

For previous introduction see 126434.

126438. No. 14.

126441. No. 17.

126439. No. 15.

126442. No. 18.

126440. No. 16.

126443. No. 19. From a hillside in the Rio Canta Valley, west of Canta, at 8,800 feet altitude. Similar to No. 14 [P. I. 126438] in plant habit, with coarse leaves and fruit about $\frac{1}{2}$ inch in diameter.

126444-126447. *LYCOPERSICON HIRSUTUM* Humb. and Bonpl.

Along the Rio Canta, November 24, 1937. Large, stout, coarse, densely hirsute plants 8 to 10 feet high; leaves dark green, 6 to 10 inches long, margins crenulate, leaf lobes lanceolate; fruit hirsute, greenish, up to 1 inch in diameter.

126444. No. 20. Found at 8,000 feet altitude, plants climbing over bushes.

126445. No. 21. From the bottom of a dugway at 6,800 feet.

126446. No. 22. From the bottom of a dugway at 6,800 feet.

126447. No. 23. From the bottom of a dugway at 6,800 feet.

126448. *LYCOPERSICON GLANDULOSUM* C. H. Muller.

No. 24. November 24, 1937. Near the Rio Canta at 6,500 feet altitude. Similar to No. 14 [P. I. 126438]. Leaves ovate sinuate, distinctly different from those of Nos. 20 to 23 [P. I. 126444-126447]; fruit smaller and less pubescent.

For previous introduction see 126438.

126449. *LYCOPERSICON HIRSUTUM* Humb. and Bonpl.

No. 26. November 24, 1937. Similar to No. 20 [P. I. 126444]. A mixed sample, collected along the road to Yaso, Peru, at 6,500 feet altitude.

126450. *LYCOPERSICON GLANDULOSUM* C. H. Muller.

No. 29. November 26, 1937, between Chasico and Matucana, Peru, at 3,500 feet altitude in the Rio Rimac Valley. Fruits similar to those collected in the Rio Chillón Valley.

126451-126452. *LYCOPERSICON ESCULENTUM* Mill.

Tomato.

From Ayacucho, Peru, November 30, 1937.

126451. No. 43. Purchased from an Indian woman as type of seed grown in this region.

126452. No. 45. Fruit red, very small, $\frac{1}{2}$ inch in diameter.

126453. *NICANDRA PHYSALODES* (L.) Gaertn. Solanaceae.

No. 63. December 6, 1937. From Chinchao, Peru, on a small tributary of the Rio Huallaga, at 3,500 feet altitude. Plant 3 to 4 feet high; fruit, a so-called dry berry, enclosed in an angular husk.

126454. *PHYSALIS* sp. Solanaceae.

No. 11. From a field near Carabayllo at 250 feet altitude, November 24. Plant completely dried up; seed picked from the ground.

126455. *PHYSALIS* sp. Solanaceae.

No. 40. November 30, 1937. From the Franciscan monastery, Ayacucho, Peru.

126456. *PHYSALIS* sp. Solanaceae.

No. 67. From Tingo Maria, Peru, December 6, 1937. Plants 1½ to 2½ feet high.

126457-126463. *SOLANUM* spp. Solanaceae.126457. *SOLANUM* sp.

No. 13. November 24, 1937. From the Hacienda Chacas, on the Rio Chillon, at 2,000 feet altitude. A plant with yellow and green berries.

126458. *SOLANUM* sp.

No. 39. *Fulmes*. November 27, 1937. From Puente Jauja, south of Oroya, at the entrance into the Jauja Valley, 10,200 feet altitude. A woody, thorny, plant about 3 feet high; leaves lanceolate and tomentose; flowers purple, 1¼ inches across.

126459. *SOLANUM RADICANS* L. f.

No. 41. From the Franciscan monastery, Ayacucho, Peru, November 30. Plant procumbent and spreading with deeply cleft leaves; fruit small, yellow, less than ½ inch in diameter.

126460. *SOLANUM* sp.

No. 51. At Perené Colony, Peru, December 2, 1937. A common shrub 6 to 8 feet high, with short thorns. Collected along the roadside.

126461. *SOLANUM* sp.

No. 58. December 3, 1937. East of Herbama, Peru. A coarse herbaceous plant.

126462. *SOLANUM* sp.

No. 64. December 3, 1937. From the Rio Chinchao, a tributary of the Rio Huallaga, at an altitude of 3,500 feet. Plants abundant, erect, 1 to 2 feet high; leaves and aspect of plant resemble *Solanum nigrum*; fruit small and black.

126463. *SOLANUM ENDLICHERI* DUN.

No. 65. From Tingo Maria, at the edge of a cornfield, December 6, 1937. A vine with an angular stem and oval fruit the size of a small plum; leaves white; fruit yellowish white when ripe and up to an inch long, with green stripes radiating from the stem end.

126464. *SARACHA PROCUMBENS* (Cav.) R. and P. Solanaceae.

No. 66. *Mulyacca*. From Tingo Maria, along the edge of a banana plantation, December 6, 1937. A bushy herbaceous plant 2 to 3½ feet tall; fruit blue black when ripe, the size and shape of a small plum.

126465. *SOLANUM* sp. Solanaceae.

No. 12. November 24, 1937. From the Hacienda Chacas, on the Rio Chillon, at 2,000 feet altitude. The blue-black berries are used to make ink.

126466. SOLANUM sp. Solanaceae.

No. 69. December 6, 1937. From along the Rio Huallaga just above the Tingo Maria at 2,100 feet altitude. Plant 2 to 3 feet high, resembling *Solanum nigrum* in habit and growth; fruit yellowish red, about $\frac{1}{2}$ inch in diameter.

126467. TECOMA STANS (L.) JUSS. Bignoniaceae.

No. 25. November 24, 1937. From along the Rio Canta, between Yangos and Canta, near Yaso, at 6,400 feet altitude. A shrub from 8 to 10 feet high, with leaves like the elderberry and tubular yellow flowers.

126468-126492.

From Australia. Seeds presented by the Department of Agriculture, Sydney, New South Wales. Received December 30, 1937.

126468. ACACIA ANEURA F. Muell. Mimosaceae.

Mulga. A tall yellow-flowered shrub which, in time of drought, is considered good forage for livestock. The wood is very hard and is valued as timber.

For previous introduction see 106673.

126469. ANDROPOGON INTERMEDIUS R. Br. Poaceae.

Grass.

Rare Blue grass. A perennial grass with a short hard rhizome and erect or ascending stems, 3 feet or more high. The linear leaves are 3 to 8 inches long, pale green or with a reddish tinge, and the obovoid panicle is 2 to 3 inches long. Native to tropical Africa.

For previous introduction see 91612.

126470. ANDROPOGON SERICEUS R. Br. Poaceae.

Grass.

Queensland Blue grass. A grass, very palatable to stock, which grows over 3 feet high on good soil and never less than 1 foot on very poor soil. In Australia this grass keeps green all the year round and is scarcely affected by drought or frost.

For previous introduction see 88901.

126471. ASTREBLA LAPPACEA (Lindl.) Domin. Poaceae.

Grass.

Curly Mitchell grass. A tall perennial grass, with broad succulent leaves. Native to Australia, where it is considered an excellent pasture grass.

For previous introduction see 111876.

126472-126477. ATRIPLEX spp. Chenopodiaceae.

Saltbush.

126472. ATRIPLEX HALMOIDES Tineo.

Mealy or Gray saltbush. A low-growing, shrubby, robust perennial about 1 foot high, with variable ovate-lanceolate leaves which are covered with whitish, dustlike scales. It is native to the central desert regions of Australia, where it affords excellent forage for both sheep and cattle.

For previous introduction see 106695.

126473. ATRIPLEX LEPTOCARPA F. Muell.

A much-branched, trailing perennial with a glaucous bloom which covers the whole plant. The leaves are variable in shape, but are mostly oblong and from 1 to 2 inches long. In Australia it is sometimes found carpeting the ground over considerable areas; it possesses remarkable drought-resistant qualities.

For previous introduction see 90722.

126474. ATRIPLEX NUMMULARIA Lindl.

A tall shrubby perennial sometimes reaching a height of 10 feet and covered all over with downy whitish scales. The leaves are mostly round, rather thick, and toothed along the margins. In central Australia it is extensively planted and highly valued for its remarkable drought-resistant qualities; livestock are very fond of it.

For previous introduction see 106697.

126475. ATRIPLEX SEMIBACCATA R. Br.

A vigorous, rapid-growing, much-branched Australian perennial which forms a dense mat over the ground to a depth of 1 to 2 feet. The leaves are small, about 1 inch long, and coarsely toothed along the margins. The plant has been known to flourish on the poorest soil. It has great frost resistance, palatability, heavy yield, sand-binding qualities, and the habit of spreading freely.

For previous introduction see 90724.

126476. ATRIPLEX SPONGIOSA F. Muell.

A low-growing plant less than a foot high, with numerous ascending stems, more or less white mealy throughout. The rather thick, orbicular leaves are less than an inch long. Native to Australia.

For previous introduction see 106698.

126477. STERCULIA DIVERSIFOLIA Don. Sterculiaceae. Black kurrajong.

A tall evergreen tree with shining green leaves 2 to 3 inches long, entire or 3- to 5-lobed on the same tree. The bell-shaped flowers, greenish red and white or yellowish white, are in axillary panicles. The nearly ovoid follicles, up to 3 inches long, contain about 20 seeds which, when ground, make an excellent substitute for coffee. Cattle and sheep are fond of the leaves and branches and have existed during long dry periods on scarcely anything else. It is native to Australia.

For previous introduction see 90726.

126478. CHLORIS VENTRICOSA R. Br. Poaceae. Grass.

Fall Star grass. An erect grass, 2 to 3 feet high, native to Queensland and New South Wales.

For previous introduction see 41760.

126479. CYTISUS PROLIFERUS L. f. Fabaceae. Tagasaste.

A stout leguminous shrub up to 12 feet high, of rather lax habit, with long slender branches and green trifoliolate leaves with silky pubescent lower surface. The white flowers are in axillary clusters. It is native to the Canary Islands, where it is considered an excellent drought-resistant forage plant.

For previous introduction see 104077.

126480. DANTHONIA SEMIANNULARIS (Labill.) R. Br. Poaceae. Wallaby grass.

White Top. A perennial, fine-leaved, tussocky grass, 1 to 2 feet high, which provides feed for the greater part of the year. It is said to be a good winter grass, will stand a great amount of grazing, and its palatability both for cattle and sheep is well known.

For previous introduction see 102385.

126481. GEIJERA PARVIFLOEA Lindl. Rutaceae.

Wilga. A tall evergreen shrub or small tree, native to the interior of New South Wales, where it reaches a height of about 30 feet. It has slender pendulous branches, narrow leaves 3 to 6 inches long, and, when well developed, a highly ornamental appearance with something of the aspect of a weeping willow. It has remarkable drought-enduring qualities, and the leaves are often fed to sheep.

For previous introduction see 113766.

126482-126486. MEDICAGO spp. Fabaceae. Medick.

126482. MEDICAGO ARBOREA L. Tree alfalfa.

For previous introduction see 90010.

126483. MEDICAGO HISPIDA DENTICULATA (illd.) Urban. Bur-clover.

126484. MEDICAGO ORBICULARIS (L.) All.

For previous introduction see 119493.

126485. *MEDICAGO SCUTELLATA* (L.) Mill. Snail medick.
 For previous introduction see 120044.
126486. *MEDICAGO TUBERCOLATA* (Retz.) Willd.
 For previous introduction see 90030.
- 126487-126491. *PANICUM* spp. Poaceae. Grass.
 126487. *PANICUM ANTIDOTALE* Retz.
 A tall coarse grass with flaccid leaves, having much the same habit as Guinea grass.
 For previous introduction see 33609.
126488. *PANICUM EFFUSUM* R. Br.
 An erect perennial grass 1 to 2 feet high, native to Queensland and New South Wales, where it is considered excellent as forage.
126489. *PANICUM JUBIFLORUM* Trin.
 A perennial grass with stems up to 1½ feet high; native to New South Wales.
126490. *PANICUM QUEENSLANDICUM* Domin.
 An erect tufted perennial grass; native to Queensland.
126491. *PANICUM* sp.
Coolah grass.
126492. *TRIFOLIUM GLOMERATUM* L. Fabaceae. Clover.
Ball Clover. A clover which is useful because it grows fairly well in sour soils; low in phosphate content when these soils first come under cultivation and before other clovers have established themselves.
 For previous introduction see 102000.
126493. *CEPHALOSTACHYUM* sp. Poaceae. Bamboo.
 From India. Seeds presented by N. Mitra, curator, Royal Botanic Gardens, Silpur, near Calcutta. Received June 10, 1937. Numbered in December 1937.
 A bamboo with thick-walled culms, pubescent in the development stage at least, and with culm sheaths densely brown-pubescent near their bases and bearing prominent clasping auricles with conspicuous bristles.

INDEX OF COMMON AND SCIENTIFIC NAMES

- Abelmoschus esculentus*, 124977.
Acacia sp., 125010.
 aneura, 126468.
Actinotus helianthi, 125011.
Agropyron dasytachyum, 125039.
 spicatum, 125040.
Alfalfa. See *Medicago sativa*.
tree. See *M. arborea*.
Allium spp., 126240, 126242-126244,
 126246, 126247.
 cepa, 125784-125789.
 odorum, 126241.
 oreophilum, 126245.
 polyphyllum, 126239.
 porrum, 125790, 125791.
 sativum, 125792.
Almond. See *Amygdalus communis*.
Aloe darviana, 125109.
 globuligemma, 125110.
Althaea spp., 126248, 126249.
Amygdalus spp., 125578, 126250.
 communis, 126102.
 eburnea, 126251, 126346.
 persica, 125015, 125018, 125019,
 125026, 125103, 125104, 125282,
 125283, 125570-125577.
 persica var. *nectarina*, 125017,
 125155, 125397, 125398.
 persica var. *platycarpa*, 125016,
 125025.
Andropogon intermedius, 126469.
 sericeus, 126470.
Anethum graveolens, 126252.
Annona muricata, 125080.
 purpurea, 125081.
 senegalensis, 124979.
Antidesma platyphyllum, 124982.
Antirrhinum, 125115-125120.
Apple. See *Malus sylvestris*.
Apricot. See *Prunus armeniaca*.
Aquilegia sp., 126253.
Arachis hypogaea, 125101.
Arisaema sp., 126254.
Arrhenatherum elatius, 125667.
Arthropodium candidum, 125133, 125134.
Asparagus, garden. See *Asparagus officinalis*.
Asparagus maritimus, 125219.
 officinalis, 125220.
 tenuifolius, 125221.
 verticillatus, 125222.
Astragalus spp., 126255-126258.
Astrebta lappacea, 126471.
Atriplex halimoides, 126472.
 leptocarpa, 126473.
 nummularia, 126474.
 semibaccata, 126475.
 spongiosa, 126476.
Avena sp., 126261.
 fatua, 126259.
 flavescens. See *Trisetum flavescens*.
 sativa, 125172-125192, 126260.
 sterilis, 125132.
Balsam-pear. See *Momordica charantia*.
Bamboo. See *Cephalostachyum* sp.,
Dendrocalamus merrillimus, *Dinocloa scandens*, and *Schizostachyum lumampao*.
Barley. See *Hordeum vulgare*.
foxtail. See *H. jubatum*.
Bauhinia purpurea, 125261.
Bean. See *Phaseolus* spp.
 common. See *P. vulgaris*.
 moth. See *P. aconitifolius*.
 mung. See *P. aureus*.
 scarlet runner. See *P. coccineus*.
Beet, common. See *Beta vulgaris*.
Beta vulgaris. 125004-125009, 125259,
 125260, 125793, 125794.
Bittervetch. See *Lathyrus sativus*.
Bloodlily. See *Haemanthus filiflorus*.
Bluegrass, Nevada. See *Poa nevadensis*.
Bowenia serrulata, 125129.
Brassica rapa, 125795-125800.
Broadbean. See *Vicia faba*.
Bromegrass. See *Bromus* spp.
 smooth. See *B. inermis*.
Bromus commutatus, 125041.
 inermis, 125783.
 marginatus, 125042-125045.
Bulbinella hookeri, 125135.
Buphane disticha, 125216.
Bupleurum sp., 126262.

Canarina sp., 125250.
Canavalia ensiformis, 125096.
Capsicum annuum. See *C. frutescens*.
 frutescens, 125801-125808.
Carduus sp., 126263.
Carica papaya, 125126.
Carmichaelia grandiflora, 125136.
 grandiflora divaricata, 125137.
 nana, 125138.
 odorata, 125217.
Carrot. See *Daucus carota*.
Carum copticum, 126265, 126266.
Castanopsis javanica, 125131.
Casurina torulosa, 125036.
Celtis australis, 125854.
Centaurea spp., 126269-126272.
 depressa, 126268.
 moschata, 126267.

- Cephalaria syriaca*, 124983.
Cephalostachyum sp., 126493.
Cercis sp., 126273.
Chelone lyonii, 124978.
Chenopodium quinoa, 126404.
 Chess, hairy. See *Bromus commutatus*.
 Cherry, mahaleb. See *Prunus mahaleb*.
 mazzard. See *P. avium*, 125558.
 oriental. See *P. serrulata*.
 Siebold. See *P. sieboldii*.
 sour. See *P. cerasus*.
 sweet. See *P. avium*.
 Chickpea. See *Cicer arietinum*.
Chloris ventricosa, 126478.
Chrysanthemum sp., 126275.
 coronarium, 126405.
 parthenium, 126274.
Cicer spp., 125809, 125810.
 arietinum, 124984, 125811.
Cinchona officinalis, 126238.
Citrullus vulgaris, 125405-125557, 125682.
Citrus limon, 125027, 125028.
 nobilis deliciosa, 125662.
 sinensis, 125661.
Clematis spp., 125111, 126277.
 brevicaudata, 125284.
 orientalis, 126276.
 paniculata, 125285.
 recta mandshurica, 125286.
 serratifolia, 125287.
 Clover. See *Trifolium* spp.
 bur. See *Medicago hispida denticulata*.
Colchicum hungaricum, 124974.
Colocasia sp., 125203.
Colutea sp., 126278.
Convolvulus sp., 126279.
 Coriander. See *Coriandrum sativum*.
Coriandrum sativum, 124985.
 Corn. See *Zea mays*.
Corylus spp., 125205-125209.
Otoneaster sp., 126280.
 Cotton. See *Gossypium* spp.
Cotula australis, 125139.
 pyrethrifolia, 125140.
Crataegus sp., 126282.
 Cress, garden. See *Lepidium sativum*.
 Cucumber. See *Cucumis sativus*.
Cucumis sp., 126212.
 melo, 125860-126202, 126210, 126211.
 sativus, 126203-126209.
Cucurbita moschata, 126213-126224.
 pepo, 124986, 126225-126229.
 Cushaw. See *Cucurbita moschata*.
Cuspidaria pterocarpa, 125122.
Cycas media, 125037.
Cydonia oblonga, 125729.
Cyphomandra sp., 126406.
Cytisus proliferus, 126479.

Dactylis glomerata, 125668.
Danthonia semiannularis, 126480.
Daucus carota, 125812-125818.
Delphinium spp., 126283-126285.
Dendrocalamus merrillianus, 124969.

Deschampsia danthonioides, 125046.
 Desertlily. See *Yucca* sp.
Dianthus sp., 126286.
Digitaria eriantha var. *stolonifera*, 125112.
 henryi, 125232.
 Dill. See *Anethum graveolens*.
Dinochloa scandens, 124970.
Diphysa robinoides, 125168.

 Eggplant. See *Solanum melongena*.
Elaeagnus sp., 126287.
Elymus condensatus, 125047, 125048.
Eragrostis tef, 125236.
Eremurus spp., 126288-126306.
Eucalyptus erythrocorys, 125012.
 macrocarpa, 125013.
 Fenugreek. See *Trigonella foenum-graecum*.
Ferula sp., 126307.

 Fescue, meadow. See *Festula elatior*.
 spike. See *F. kingii*.
Festuca elatior, 125049, 125669.
 kingii, 125050.
 Feverfew. See *Chrysanthemum parthenium*.
 Fingergrass, woolly. See *Digitaria eriantha* var. *stolonifera*.
 Flax. See *Linum usitatissimum*.
Fuchsia excorticata, 125141.
 procumbens, 125142.
 Fuchsia, trailing. See *Fuchsia procumbens*.

 Garlic. See *Allium sativum*.
Gaultheria antipoda, 125143.
 depressa, 125144.
 perplexa, 125145.
Geijera parviflora, 126481.
Gentiana sp., 126308.
Glaucium flavum, 126309.
Glyceria elata, 125051.
Gossypium, 124980, 124981, 125070-125073, 125715.
 Gourd, calabash. See *Lagenaria leucantha*.
 Gram, black. See *Phaseolus mungo*.
 Grass. See *Agropyron* spp., *Astrebria lappacea*, *Chloris ventricosa*, *Panicum* spp., *Pennisetum ciliare*, *Polypogon monspeliensis*, *Puccinellia limosa*, *Sitanion hystrix*, *Stipa* spp., and *Trisetum flavescens*.
 orchard. See *Dactylis glomerata*.
 wallaby. See *Danthonia semiannularis*.
Guaiacum officinale, 125169.
 Guava. See *Psidium guajava*.

 Hackberry, European. See *Celtis australis*.
Haemantillus filiflorus, 125100.
 zambesiacus, 125251.
 Hairgrass, annual. See *Deschampsia danthonioides*.

- Hedera helix*, 125074-125076, 125252-125256.
Helianthus annuus, 124987.
Hibiscus sp., 125204.
 Honeysuckle. See *Lonicera* spp.
Hordeum jubatum, 125052.
vulgare, 124988, 124989, 125310-125327, 125670.
Hyacinthus sp., 126310.
Hymenocrater sp., 126311.
- Incarvillea* sp., 126312.
Iris sp., 126313.
 Ivy, English. See *Hedera helix*.
- Jackbean. See *Canavalia ensiformis*.
Jatropha sp., 125108.
Juglans spp., 125210-125414.
regia, 125193-125199, 125238-125249, 125579.
Juniperus excelsa, 126314.
- Kurrajong, black. See *Sterculia diversifolia*.
- Lactuca* sp., 125820.
raddeana, 125288.
serriola, 125819.
virosa, 125121, 125127, 125130.
Lagenaria leucantha, 125821-125823.
 Larkspur. See *Delphinium* spp.
Lathyrus sativus, 126315.
 Leek. See *Allium porrum*.
 Lemon. See *Citrus limon*.
Lens culinaris, 124990, 124991, 125824.
 Lentil. See *Lens esculenta*.
Lepidium sativum, 126316.
 Lettuce, prickly. See *Lactuca serriola*.
Libertia ixoides, 125146.
 Lignumvitae. See *Guaiacum officinale*.
Lilium sp., 126317.
Linaria spp., 126318, 126319.
Linum usitatissimum, 124992.
Lobelia gibberoa, 125170, 125171.
Lonicera spp., 126320, 126321, 126324.
microphylla, 126322, 126323.
Luffa acutangula, 125825-125828.
aegyptiaca, 125829.
Lycopersicon sp., 126435.
esculentum, 125830, 125831, 126407-126429, 126451-126452.
glandulosum, 126434, 126435, 126438-126443, 126448, 126450.
hirsutum, 126444-126447, 126449.
peruvianum, 126431.
pimpinellifolium, 126430, 126432, 126433, 126436, 126437.
- Macrozamia miquelii*, 125038.
Malus sylvestris, 125029, 125223-125225, 125262-125274, 125399-125402, 125560-125566, 125683-125696, 125716-125722, 125730, 125731, 125742-125748, 125750-125770.
Malva sp., 126325.
sylvestris, 126326.
- Mannagrass, tall. See *Glyceria elata*.
Medicago arborea, 126482.
hispidula denticulata, 126483.
orbicularis, 126484.
sativa, 124993, 126327-126329.
scutellata, 126485.
tuberculata, 126486.
- Medick. See *Medicago* spp.
 snail. See *M. scutellata*.
- Melic, rock. See *Melica stricta*.
Melica stricta, 125053.
Melilotus alba, 125671.
officinalis, 125663, 126330.
Momordica charantia, 126331, 126332.
Morina sp., 126333.
Morus spp., 125585-125587.
alba, 125580-125584.
Muhlenbergia asperifolia, 125054.
 Mulberry, white. See *Morus alba*.
 Muskmelon. See *Cucumis melo*.
- Narcissus* sp., 126334.
 Nectarine. See *Amygdalus persica* var. *nectarina*.
Nepeta spp., 126335, 126336.
Nicandra physalodes, 126453.
Notospartium carmichaeliae, 125147.
glabrescens, 125148.
torulosum, 125149.
- Oatgrass, tall. See *Arrhenatherum elatius*.
- Oats. See *Avena* spp.
 animated. See *A. sterilis*.
 wild. See *A. fatua*.
- Oenothera lamarkiana*, 126337.
 Okra. See *Abelmoschus esculentus*.
 Onion. See *Allium cepa*.
Onopordum sp., 126264.
Opsiantra maya, 124976.
 Orange. See *Citrus sinensis*.
 mandarin. See *C. nobilis deliciosa*.
- Oryza minuta*, 125257.
sativa, 125290-125309, 125328-125339.
Oryzopsis hymenoides, 125055-125059.
- Paeonia* sp., 125215.
 Palm. See *Opsiantra maya*.
Panicum sp., 126491.
antidotale, 126487.
effusum, 126488.
jubiflorum, 126489.
queenslandicum, 126490.
Papaver sp., 126338.
croceum, 125781.
pavoninum, 126339.
 Papaya. See *Carica papaya*.
 Pea. See *Pisum sativum*.
 Peach. See *Amygdalus persica*.
 Peanut. See *Arachis hypogaea*.
 Pear, common. See *Pyrus communis*.
Pennisetum ciliare, 125113.
 Peony. See *Paeonia* sp.

- Phaseolus aconitifolius*, 125832.
aureus, 125833-125835.
coccineus, 125156.
mungo, 126230.
vulgaris, 124994, 125157-125167,
 125836-125838.
Phlomis sp., 126340.
Physalis spp., 126454-126456.
Pistachio. See *Pistacia vera*.
Pistacia cabulica, 125588.
vera, 125856, 126231.
Pisum sp., 126341.
sativum, 125672, 125673, 125839,
 125840.
 Plum, common. See *Prunus domestica*.
 myrobalan. See *P. cerasifera*.
Poa nevadensis, 125060, 125061.
Polygonum sp., 126342.
Polygoum monspeliensis, 125062.
 Poppy. See *Glaucium flavum*; see also
Papaver spp.
 Potato. See *Solanum tuberosum*.
Prangos sp., 126344.
pabularia, 126343.
 Primrose. See *Primula* sp.
Primula sp., 126345.
Prunus spp., 124972, 124973, 125030-
 125035, 125226-125229, 125277-
 125280, 125645-125657, 125660.
armeniaca, 125020-125024, 125105,
 125589-125624.
avium, 125106, 125233, 125234,
 125276, 125558, 125567, 125625-
 125627, 125664, 125697-125703,
 125707, 125723, 125732, 125733,
 125749, 125771-125774.
avium × *cerasus*. See × *Prunus*
effusa.
capuli, 125200.
cerasifera, 125628-125636.
cerasus, 125637-125640, 125704-
 125706, 125724, 125725.
domestica, 125107, 125568, 125569,
 125641-125644, 125726, 125727,
 125734, 125735, 125776, 125777.
effusa, 125275.
mahaleb, 125235, 125258, 125559,
 125665, 125666, 125775.
serrulata, 125077, 125078.
sieboldii, 125079.
Psidium guajava, 125201.
Psoralea sp., 126347.
Puccinellia limosa, 125281.
 Pumpkin. See *Cucurbita pepo*.
Pyrus sp., 125658.
communis, 125230, 125231, 125408,
 125404, 125708-125714, 125728,
 125736-125741, 125778-125780.
 Quince. See *Cydonia oblonga*.
 Quinoa. See *Chenopodium quinoa*.
 Radish. See *Raphanus sativus*.
Raphanus sativus, 124995, 125841-
 125844.
 Raspberry, roseleaf. See *Rubus rosae-
 folius*.
 Redpepper, common. See *Capsicum*
frutescens.
Reseda sp., 126348.
Rhamnus sp., 126349.
Rheum spp., 125845, 125846.
Rhus viminalis, 125114.
 Rice. See *Oryza sativa*.
 Ricegrass, Indian. See *Oryzopsis hy-
 menoides*.
Rosa spp., 126281, 126350-126375.
 Rose. See *Rosa* spp.
Rubus spp., 125123, 125659.
australis, 125150.
cissoides, 125151.
moluccanus, 125124.
parvus, 125152.
rosae-folius, 125125.
schmidlioides, 125153.
 Rye. See *Secale cereale*.
Saccharum, 125098, 125099, 125218,
 125289.
 Sage. See *Salvia* spp.
Salix spp., 126376-126381.
 Saltbush. See *Atriplex* spp.
Salvia sp., 126383.
dominica, 126386.
moorcroftiana, 126382.
spinosa, 126384.
sylvestris, 126387.
verbenaca var. *oblongifolia*, 126385.
Sapindus indica, 125855.
Saracha procumbens, 126464.
Scabiosa sp., 126388.
Schizostachyum lumampao, 124971.
 Scratchgrass. See *Muhlenbergia as-
 perifolia*.
Secale cereale, 124996.
Senecio sp., 126389.
Sitanion hystrix, 125063, 126064.
Solanum spp., 125847, 126234, 126235,
 126457, 126458, 126460-126462,
 126465, 126466.
endlicheri, 126463.
medians, 125857.
melongena, 125848-125851.
neoweberbaueri, 125858.
radicans, 126459.
tuberosum, 125067-125069.
wittmackii, 125859.
 Soncoya. See *Annona purpurea*.
Sophora sp., 125396.
 Sorghum. See *Sorghum vulgare*.
Sorghum vulgare, 125097.
 Soursop. See *Annona muricata*.
 Spinach, common. See *Spinacia*
oleracea.
Spinacia oleracea, 126232, 126233.
Sterculia diversifolia, 126477.
Sternbergia lutea, 124975.
Stipa comata, 125065.
thurberiana, 125066.
 Sugarcane. See *Saccharum*.

- Sumac. See *Rhus viminalis*.
 Sunflower, common. See *Helianthus annuus*.
 Sweetclover. See *Melilotus* spp.
 white. See *M. alba*.
 yellow. See *M. officinalis*.
 Tagasaste. See *Cytisus proliferus*.
 Tamarix spp., 126390-126393.
 Tecoma stans, 126467.
 Teff. See *Eragrostis tef*.
 Telopea speciosissima, 125014.
 Thalictrum petaloideum, 125782.
 Tomato. See *Lycopersicon* spp.
 currant. See *L. pimpinellifolium*.
 Towelgourd, Singkwa. See *Luffa acutangula*.
 Suakwa. See *L. aegyptiaca*.
 Tragopogon porrifolius, 125852.
 Trifolium sp., 126394.
 glomeratum, 126492.
 montanum, 125681.
 Trigonella foenum-graecum, 126395.
 Triticum aestivum, 124997-125000,
 125082-125095, 125128, 125237, 125340-
 125390, 125675-125677.
 Trisetum flavescens, 125674.
 Tulip. See *Tulipa* spp.
 Tulipa spp., 126396-126401.
 Turnip. See *Brassica rapa*.
 Ungernia sp., 126402.
 Urd. See *Phaseolus mungo*.
 Vegetable-oyster. See *Tragopogon porrifolius*.
 Vetch. See *Vicia* spp.
 common. See *V. sativa*.
 Vicia ervilia, 125001.
 faba, 125002, 125853.
 pannonica, 125678.
 sativa, 125003, 125679.
 Viola sp., 126403.
 cunninghamii, 125154.
 Violet. See *Viola* spp.
 Walnut. See *Juglans* spp.
 Persian. See *J. regia*.
 Waratah. See *Telopea speciosissima*.
 Watermelon. See *Citrullus vulgaris*.
 Wheat, common. See *Triticum aestivum*.
 Wild-rye, giant. See *Elymus condensatus*.
 Willow. See *Salix* spp.
 Yucca sp., 125202.
 Zea mays, 125391-125395, 125680,
 126236, 126237.