

6784
p 5

Plant Inventory No. 148

UNITED STATES DEPARTMENT OF AGRICULTURE

Washington, D. C. January 1951



PLANT MATERIAL INTRODUCED BY THE DIVISION OF PLANT EXPLORATION AND INTRODUCTION, BUREAU OF PLANT INDUSTRY,¹ JULY 1 TO SEPTEMBER 30, 1941 (NOS. 142030 TO 142270)

CONTENTS

Inventory	Page 2
Index of common and scientific names	15

This inventory, No. 148, lists the plant material (Nos. 142030 to 142270) received by the Division of Plant Exploration and Introduction during the period from July 1 to September 30, 1941. It is a historical record of plant material introduced for Department and other specialists, and is not to be considered as a list of plant material for distribution.

PAUL G. RUSSELL,
Botanist.

*Plant Industry Station,
Beltsville, Md.*



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

INVENTORY

142030. *CENTELLA ASIATICA* (L.) Urban. Apiaceae.

From India. Seeds presented by the Professor of Botany, Punjab Agricultural College, Lyallpur. Received July 15, 1941.

For previous introduction see 141369.

1242031 to 142037.

From the Union of South Africa. Seeds presented by the McGregor Museum, Kimberley. Received July 15, 1941.

142031. *CHLORIS CAPENSIS* (Houtt.) Thell. Poaceae. Grass.

A Kopple grass collected at the rock garden of the McGregor Museum, sometimes called *woolly fingergrass*.

142032. *DIGITARIA* sp. Poaceae.

Woolly Fingergrass. From the Kimberley rock garden.

142033. *ERAGROSTIS LEHMANNIANA* var. *AMPLA* Stapf. Poaceae. Grass.

Not as hardy as the typical species.

142034. *ERAGROSTIS SUPERBA* Peyr.

Bosluis grass. A tick grass from the open grasveld.

142035. *POGANARTHRIA SQUAREOSA* (Licht.) Pilger. Poaceae. Grass.

From the rock garden of the McGregor Museum.

142036. *SPOROBOLUS FIMBRIATUS* Nees. Poaceae. Grass.

A tall perennial grass, densely tufted, found commonly along the banks of streams.

For previous introduction see 52223.

142037. *TRICHOLAENA* sp. Poaceae. Grass.

A rare grass collected near Kimberley.

142038. *TIGRIDIA* sp. Iridaceae.

From Mexico. Plants presented by Christian Halbinger, "El Troquel," Mexico, D. F. Received July 23, 1941.

A variety with dark-blue flowers.

142039 to 142047.

From Washington. Seeds purchased from W. J. Eyerdam, Seattle. Received July 16, 1941.

Originally collected from Thum Bay, Prince William Sound, Alaska.

142039. *ASTER* sp. Asteraceae.

142040. *FRITILLARIA CAMSCHATCENSIS* (L.) Ker. Liliaceae.

A lilylike perennial, with 1- to 3-flowered stems 6 to 18 inches high. The 10 to 15 leaves are lanceolate, the lower ones in whorls, and the chocolate-purple flowers are about 1 inch long. Native to Siberia and Alaska.

For previous introduction see 95424.

142041. *LUETKEA PECTINATA* (Pursh) Kuntze. Rosaceae.

A prostrate trailing undershrub with rooting branches, native to north-western North America. The small alternate bright-green leaves are 3-lobed with each lobe 3-cleft, and the erect flowering branches, 2 to 6 inches high, bear upright racemes of small white flowers.

For previous introduction see 95443.

142039 to 142047—Continued

142042. MYRICA GALE L. Myricaceae.

142043. NEPHROPHYLLIDIUM CRISTA-GALLI (Menzies) Gilg. Gentianaceae.

Deer-cabbage.

142044. SPIRANTHES ROMANZOFFIANA Cham. & Schlecht. Orchidaceae.

142045. TOFIELDIA OCCIDENTALIS S. Wats. Melanthiaceae.

142046. TOFIELDIA sp.

142047. SWERTIA PERENNIS L. Gentianaceae.

142048. CITRUS sp. Rutaceae.

From the Fiji Islands. Seeds presented by Otto Degener, Rewasa, Viti Levu. Received July 30, 1941.

A native species with fruits the size of a grapefruit.

142049. CEROXYLON FERRUGINEUM André. Phoenicaceae.

From Colombia. Seeds collected by David Fairchild, Bureau of Plant Industry, United States Department of Agriculture. Received August 4, 1941.

A wax palm from north of Call.

142050 to 142057.

From the Union of South Africa. Seeds presented by the McGregor Museum, Kimberley. Received July 3, 1941.

142050. ANTHEPHORA PUBESCENS Nees. (*Cenchrus pubescens* Steud.) Poaceae. Grass.

For previous introduction see 51111.

142051. ANTHOSCHMIDTIA BULBOSA (Stapf) Peter. Poaceae. Grass.

142052. CYMBOPOGON PLURINODIS (Stapf) Burt-Davy. Poaceae. Grass.

142053. ERAGROSTIS sp. Poaceae. Grass.

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

142054. ERAGROSTIS ROBOSA Nees.

A grass native to south Africa.

142055. ERAGROSTIS SUPERBA Peyr.

For previous introduction see 142034.

142056. FINGERHUTHIA AFRICANA Lehm. Poaceae. Grass.

For previous introduction see 38769.

142057. POGONARTHRIA SQUARROSA (Licht.) Pilger. Poaceae. Grass.

For previous introduction see 142035.

142058 to 142061. SORGHUM HALEPENSE (L.) Pers. Poaceae. Johnson grass.

From the Union of Soviet Socialist Republics. Seeds presented by the Voroshilov Selection Station, through the Soviet Ambassador, Washington, D. C. Received July 3, 1941.

142058. From Erivan.

142059. From Tashkent.

142060. From Ashkaba.

142061. From Budenoyska.

For previous introduction see 139640.

142062. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

From Argentina. Seeds presented by William E. Cross, Director, Estación Experimental Agrícola, Tucumán. Received July 3, 1941.

Alfalfa Inverniza.

142063 to 142067.

From Chile. Seeds presented by the Ministry of Agriculture, Santiago. Received July 9, 1941.

142063 and 142064. BELLOTA MIERSII Remy. Lauraceae.

A large Chilean tree, up to 80 feet high, whose wood is highly appreciated for the manufacture of household utensils because of the great diameter that the trunk attains. It has attractive foliage and fruits, the latter when ripe being useful for feeding hogs.

For previous introduction see 54627.

142065. MAYTENUS BOARIA Molina. Selastraceae.

Mayten.

For previous introduction see 117589.

142066 and 142067. OCOTEA spp. Lauraceae.

142068 to 142070.

From Cuba. Seeds presented by the Atkins Institution of the Arnold Arboretum, Cienfuegos. Received July 8, 1941.

142068. ANACARDIUM OCCIDENTALE L. Anacardiaceae.

Cashew.

For previous introduction see 124955.

142069. MELALEUCA GENISTIFOLIA Sm. Myrtaceae.

142070. POSOQUERIA LATIFOLIA (Rudge) Roem. & Schult. Rubiaceae.

A tall Brazilian shrub, up to 25 feet high, with large opposite ovate coriaceous leaves, terminal corymbs of white tubular flowers 4 inches long, and succulent edible fruits used for jellies and marmalades.

For previous introduction see 76891.

142071. BURKILLANTHUS MALACCENSIS (Ridley) Swingle. Rutaceae.

From the Straits Settlements. Seeds presented by the Director of the Botanic Gardens, Singapore. Received July 7, 1941.

A tree up to 50 feet high, with somewhat leathery 1- or 2-foliolate leaves, large white flowers about 2 inches across in small axillary clusters, and large ovoid fruits about 4 inches long. Native to the Malay Peninsula.

142072 to 142088. IPOMOEA BATATAS (L.) Lam. Convolvulaceae.

Sweetpotato.

From the Union of South Africa. Tubers presented by H. H. Dodds, Director, Experiment Station of the South African Sugar Association, Mount Edgecombe, Natal. Received July 11, 1941.

142072. *Nichols No. 4.*

142081. *No. 6.*

142073. *Nichols No. 9.*

142082. *No. 7.*

142074. *Nichols No. 19.*

142083. *No. 8.*

142075. *Nichols No. 3.*

142084. *No. 9.*

142076. *No. 1.*

142085. *No. 10.*

142077. *No. 2.*

142086. *No. 11.*

142078. *No. 3.*

142087. *No. 12.*

142079. *No. 4.*

142088. *No. 13.*

142080. *No. 5.*

142089 to 142102.

From the Belgian Congo. Seeds presented by A. Biernaert, Director, Experimental Station, Yangambi. Received July 14, 1941.

142089 to 142096. *SORGHUM VULGARE* Pres. Poaceae. **Sorghum.**

142089. No. 7. 142093. No. 42.

142090. No. 10. 142094. No. 46.

142091. No. 14. 142095. No. 81.

142092. No. 21. 142096. No. 82.

142097 to 142102. *ZEA MAYS* L. Poaceae. **Corn.**

142097. No. 2422. 142100. No. 2728.

142098. No. 2428. 142101. No. 2758.

142099. No. 2432. 142102. No. 2761.

142103 to 142130.

From the Union of South Africa. Seeds obtained from the National Botanic Gardens, Kirstenbosch, Capetown, through Mrs. Jerome Coombs, Scarsdale, New York. Received July 17, 1941.

142103. *AGAPANTHUS* sp. Liliaceae.

No. 3. Introduced under the name "orientalis," for which a place of publication has not been found.

142104. *ARGETA PETRENSIS* N. E. Brown. Aizoaceae.

No. 405. A very dwarf stemless perennial, which forms clumps of buttonlike growths, each one of which consists of two adpressed succulent leaves, surrounded and partly covered by the scarious vestiges of former leaves. Between them push up the solitary rosy asterlike flowers, nearly 1 inch in diameter. Native to South Africa.

For previous introduction see 78220.

142105. *ARGYRODERMA BLANDUM* L. Bolus. Aizoaceae.

No. 406.

142106. *ARGYRODERMA TESTICULARE* (Soland.) N. E. Brown.

No. 410.

142107. *ARGYRODERMA* sp.

No. 409.

142108. *ARISTEA THYRSIFLORA* (Delaroché) N. E. Brown. Iridaceae.

142109. *BABIANA ATROCYANEA* Eckl. Iridaceae.

No. 8.

142110. *CHEIRIDOPSIS CAROLI-SCHMIDTII* (Dinter & Berger) N. E. Brown. Aizoaceae.

No. 418.

142111. *CYANELLA CAPENSIS* L. Amaryllidaceae.

No. 13. This plant, known in South Africa as *Raap unitje* or *raaptol*, has lilac flowers with yellow anthers; these flowers appear in summer when the leaves are mostly withered. The corms form an article of food for the natives.

For previous introduction see 64114.

142112. *FREESIA* sp. Iridaceae.

No. 17. Introduced under the name of "lactea," for which a place of publication has not been found.

142113. *GEISSORHIZA SPLENDIDISSIMA* Diels. Iridaceae.

No. 19.

For previous introduction see 132679.

142103 to 142130—Continued

142114. *GIBBAEUM PERVIRIDE* (Haw.) N. E. Brown. Aizoaceae.

No. 459.

142115. *GIBBAEUM VELUTINUM* (L. Bolus) Schwantes.

No. 463.

142116. *GLADIOLUS ODORATUS* L. Bolus. Iridaceae.

No. 22.

For previous introduction see 105292.

142117. *GLADIOLUS WATERMEYERI* L. Bolus.

No. 25. A species with 3 or 4 leaves about 10 inches long, conspicuously 2-nerved, and very fragrant flowers $1\frac{1}{2}$ inches long. The upper segments are usually greenish flushed with pinkish buff, with conspicuous purple veins.

For previous introduction see 119286.

142118. *GLOTTIPHYLLUM LINGUIFORME* (L.) N. E. Brown. Aizoaceae.

No. 464.

142119. *LAPEYROUSIA JACQUINII* N. E. Brown. Iridaceae.

No. 49.

142120. *LITHOPS TURBINIFORMIS* (Haw.) N. E. Brown. Aizoaceae.

No. 473.

142121. *ORNITHOGALUM LACTEUM* Jacq. Liliaceae.

Star-of-Bethlehem.

No. 60.

142122. *ORNITHOGALUM SAUNDERSIAE* Baker.

Star-of-Bethlehem.

No. 61.

142123. *ROMULEA BULBOCODOIDES* (Delar.) Eckl. Iridaceae.

No. 64.

142124. *SENECIO* sp. Asteraceae.

No. 590.

142125. *SPARAXIS GRANDIFLORA* (Delaroche) Ker. Iridaceae.

Wandflower.

No. 65. Mixed varieties.

142126. *SPARAXIS*.

No. 66. Mixed hybrids.

142127. *STREPTANTHERA CUPREA* Sweet. Iridaceae.

No. 68.

142128. *WATSONIA ANGUSTA* Ker. Iridaceae.

No. 77.

142129. *WATSONIA BEATRICIS* Mathews & L. Bolus.

No. 80. Mixed colors.

142130. *WATSONIA IRIDIFOLIA* var. *O'BRIENI* N. E. Brown.

No. 78.

142131 to 142161.

From the Union of South Africa. Seeds presented by the University of the Witwatersrand, Johannesburg, Transvaal. Received July 24, 1941.

142131. *ALLOTEROPSIS SEMIALATA* (R. Br.) Hitchc. Poaceae. **Cockatoo grass.**

Plants 2 to 4 feet high, indigenous to Frankenwald and other parts of the Transvaal Highveld. It seems to be increased through burning.

For previous introduction see 57268.

142131 to 142161—Continued

142132. *ANDROPOGON AMPLECTENS* Nees. Poaceae. Grass.

About 3 feet high, indigenous to Frankenwald. It is grazed by cattle, but is not always very palatable.

142133. *BRACHIARIA HUMIDICOLA* (Rendle) Schweick. Poaceae. Grass.

A prostrate plant that grows well at Frankenwald under cultivation; it can be used for grazing as well as for sports grounds.

142134. *DANTHONIA* sp. Poaceae. Grass.

A plant about 2 feet high that grows well at Frankenwald under cultivation; leaves thin and wiry.

142135. *DIGITARIA* sp. Poaceae. Grass.

An erect, soft and very leafy tufted grass, good for hay. Originally from the Zomba Plateau, east Africa.

142136 to 142141. *ECHINOCHLOA PYRAMIDALIS* (Lam.) Hitchc. Poaceae. Grass.

142136. A rather coarse, tall grass about 6 feet high that spreads rapidly from suckers. Originally from Lake Shirwa, east Africa.

142137. *Rust der Winter*. A grass about 5 feet high, thriving in moist soil.

142138. A plant 6 feet high, appearing to be the same variety as that from Lake Shirwa. Originally from Machatos Reserve, east Africa.

142139. A semiprostrate grass that reaches a height of about 6 feet; the overlying stems root at the nodes and send up new shoots, forming new plants; thrives very well under moist conditions. Originally from Kavirondo Gulf, east Africa.

142140. *Antelope Grass*. A rather stalky grass about 6 feet high.

142141. A very leafy, bulky, hay grass, about 4½ feet high, that spreads rapidly and stands up fairly well to frost under local conditions. Received as *Setaria* sp. Originally from Lake Shirwa, east Africa.

142142. *ELYONRUS ARGENTEUS* Nees. Poaceae. Grass.

A grass from 1 to 2 feet high, indigenous to Frankenwald, grazed early in spring but not later in the season, owing to a sour taste.

142143. *HYPARRHENIA HIRTA* (L.) Stapf. Poaceae. Grass.

A perennial grass about 3 feet high, native to tropical and northern Africa.

142144. *MONOCYMBIUM CERESIFORME* (Nees.) Stapf. Poaceae. Grass.

False Oats grass. A grass about 1½ feet high, with very soft leaves much eaten by cattle; it usually occurs in semimoist places and is indigenous to Frankenwald.

For previous introduction see 58725.

142145. *PANICUM COLORATUM* L. Poaceae. Grass.

A very good hay grass, very soft and leafy, about 3½ feet high. Originally from the Kavirondo Gulf, east Africa.

For previous introduction see 135130.

142146 to 142148. *PANICUM MAXIMUM* Jacq. Guinea grass.

142146. *Coast strain*. A good hay grass about 4 feet high.

142147. A very leafy, bulky grass about 5 to 6 feet high, with long, broad leaves; could be used for both hay and ensilage. Originally from N'Jakwa, east Africa.

142148. A very good grass for hay and ensilage; quick-growing, soft and leafy, 6 to 7 feet high. Originally from Lilongwe, east Africa.

142149. *PANICUM NATALENSE* Hochst. Grass.

Plants 2 to 3 feet high, with rather wiry leaves; indigenous to Frankenwald and fairly common on the Highveld of the Transvaal.

142131 to 142161—Continued

142150 to 142152. *PENNISETUM PURPUREUM* Schumach. Napier grass.

142150. A grass about 6 feet high, good for ensilage.

142151. A bulky plant about 7 feet high, good for ensilage.

142152. Originally from Jinga, east Africa.

For previous introduction see 133434.

142153. *SETARIA SPHACELATA* (Schum.) Stapf & Hubbard. Poaceae. Grass.

A very vigorous grass about 5 feet high; the plants are leafy and will make good hay. Originally from the Zimbabwe Ruins, Southern Rhodesia.

142154. *SETARIA* sp.

About 4 feet high; fairly frost-resistant under our conditions. Originally from the Sharangani Hills, east Africa.

142155. *SETARIA* sp.

About 4 to 5 feet high, with soft, very broad and bulky leaves.

142156. *SETARIA* sp.

A rather stalky, very tall grass, reaching a height of about 7 feet. Introduced from Meru Reserve, east Africa.

142157. *SETARIA* sp.

A very good hay and ensilage grass, reaching a height of 5 to 6 feet, fairly resistant to frost under our conditions. Under more suitable conditions it grows much taller and the plants are very leafy. Originally from Kazungula, Northern Rhodesia.

142158. *SETARIA* sp.

A good hay grass about 4 feet high. Originally from Mount Milanje, east Africa.

142159. *SETARIA* sp.

A good hay grass, very leafy and about 4 feet high. Originally from the Zomba Plateau, east Africa.

142160. *SPOROBOLUS FIMBRIATUS* var. *LATIFOLIUS* Stent. Poaceae. Grass.

A fairly good grazing grass, about 1½ feet high; indigenous to Frankenwald.

For previous introduction see 142036.

142161. *TRACHYPOGON* sp. Poaceae. Grass.

A grass about 3 to 4 feet high, indigenous to Frankenwald, and an important grazing grass on the Highveld of the Transvaal.

142162 to 142166. *GOSSYPIUM*. Malvaceae. Cotton.

From Brazil. Seeds presented by the Instituto Agronómico, Campinas, São Paulo. Received July 30, 1941.

142162. *RU* 4.

142165. Stoneville.

142163. *U* 4.

142166. Stoneville, spot-resistant.

142164. *U* 4 (b).

142167. *LITCHI CHINENSIS* Sonner. (*Nephelium litchi* Cambess.) Sapindaceae. Lychee.

From Florida. Seeds presented by T. Ralph Robinson, Bayacre, Terra Ceia. Received July 31, 1941.

Shan Chih.

142168. *RUBUS MACROCARPUS* Benth. Rosaceae.

Colombian blackberry.

From Colombia. Seeds presented by Harvey Berman, Bogotá. Received July 30, 1941.

For previous introduction see 114066.

142169 to 142194. ULMUS PUMILA L. Ulmaceae. Chinese elm.

From China. Seeds collected by Peter Liu, Peiping. Received August 5, 1941.

142169. No. 387. From the Hall of Abstinence, Temple of Heaven.

142170. No. 388. From the Temple of Heaven.

142171. No. 389. Obtained in the Bell Tower of the Hall of Abstinence, Temple of Heaven.

142172. No. 390. From the Hall of Abstinence, Temple of Heaven.

Numbers 142173 to 142180 were collected in the Hsueh Chu Yuan Garden, Summer Palace.

142173. No. 391.

142174. No. 392.

142175. No. 393.

142176. No. 394.

142177. No. 395.

142178. No. 396.

142179. No. 397.

142180. No. 398.

142181. No. 399. From the Summer Palace grounds.

142182. No. 400. From the Summer Palace grounds.

142183. No. 401. From the Summer Palace grounds.

142184. No. 402. From Jade Fountain, west of Peiping.

142185. No. 403. From Jade Fountain, west of Peiping.

142186. No. 404. From the Temple of Heavenly King, Winter Palace.

142187. No. 405. From the Temple of Heavenly King, Winter Palace.

142188. No. 406. From near Paradise Temple, Winter Palace.

142189. No. 407. From near the Altar of Agriculture, Peiping.

142190. No. 408. From near the Altar of Agriculture, Peiping.

142191. No. 409. From Confucius Temple, Peiping.

142192. No. 410. From the Hall of Classics, Peiping.

142193. No. 411. From the Hall of Classics, Peiping.

142194. No. 412. From the Paradise Temple, Winter Palace.

142195. CINCHONA OFFICINALIS L. Rubiaceae.

From Brazil. Seeds presented by Dr. Theodureto de Camargo, Director of the State Agricultural Institute, Campinas, São Paulo. Received August 6, 1941.

Var. *Josephiana*.

142196 to 142202.

From Argentina. Seeds presented by Antonio E. Marino, Institute of Experimental Investigations, Department of Agronomy, Santa Fé. Received August 2, 1941.

142196 to 142200. *BROMUS CATHARTICUS* Vahl. Poaceae. Grass.

142196. *GB-1*. 142199. *NT-2*.

142197. *LF-1*. 142200. *IR-1*.

142198. *HM-1*.

142201. *CHLOBIS DISTICHOPHYLLA* Lag. Poaceae. Grass.

For previous introduction see 35060.

142202. *LEPTOCHLOA CHLORIDIFORMIS* (Hack.) Parodi. Poaceae. Grass.

142203 and 142204. PRUNUS SUBHIRELLA Miquel. Amygdalaceae.
Higan cherry.

From Massachusetts. Scions presented by the Arnold Arboretum, Jamaica Plain.
 Received August 7, 1941.

142203. *Yae-shidare-higan*. A. A. No. 233-39 (Pl. Holland, 1939).

142204. A. A. No. 3674 (Pl. Bot. Gard. Tokyo).

142205 to 142208.

From Maryland. Plants growing at the United States Plant Introduction Garden,
 Glenn Dale. Numbered August 9, 1941.

142205. *AGAVE UTAHENSIS* Engelm. **Amaryllidaceae.**

I. P. 9539. From Deadman Canyon, Clark County, Nevada. A caespitose trunkless agave, with thick, stiff, erect-spreading, gray leaves 6 to 12 inches long, having a slender terminal spine and toothed margins, an inflorescence 5 to 15 feet long, and small cup-shaped flowers. Native to the Grand Canyon region.

142206. *ANEMOPSIS CALIFORNICA* (Nutt.) Hook. **Saururaceae.**

I. P. 9591. From near Moapa, Clark County, Nevada. A stoloniferous, erect, aquatic herb, with long-petioled oblong-obovate cordate basal leaves, broad clasping cauline leaves, and minute crowded flowers forming a conical spadix with a whorl of whitish petaloid bracts below it, giving the appearance of an anemone flower. The pungent, aromatic, astringent rootstalks are believed by the Indians of the Southwest to have medicinal virtues.

142207. *YUCCA ANGUSTISSIMA* Engelm. **Liliaceae.**

I. P. 11548. From Panaca, Lincoln County, Nevada. A stemless yucca with narrow, linear leaves 8 to 16 inches long. The pure-white bell-shaped flowers are in a panicle 3 to 5 feet high. Native to dry mesas and hillsides up to 7,500 feet altitude in western Arizona, southern Utah, and southern Nevada.

142208. *REBUTIA MINUSCULA* Schum. **Cactaceae.**

Plants presented by Claude Hope.

142209. PITCAIRNIA sp. Bromeliaceae.

From Washington. Seeds presented by Harry Stinson, Seattle. Received September 29, 1939. Numbered August 9, 1941.

142210 and 142211.

From Nicaragua. Seeds presented by John Ashton, Agricultural and Mechanical College, College Station, Texas. Received August 6, 1941.

142210. *ATTALEA* sp. **Phoenicaceae.**

142211. *MELINIS MINUTIFLORA* Beauv. **Poaceae.** **Molasses grass.**

For previous introduction see 138982.

142212. CUPRESSUS BENTHAMII Endl. Pinaceae. Bentham cypress.

From Guatemala. Seeds presented by J. R. Johnston, Chimaltenango. Received August 11, 1941.

A cypress of elegant habit, often up to 90 feet high, with regularly pinnate flattened branchlets. Native to southern Mexico and Central America at altitudes of 4,000 to 10,000 feet.

For previous introduction see 114036.

142213 to 142218.

From South America. Seeds collected by David Fairchild, Coconut Grove, Florida. Received July 26, 1941.

142213. *ANNONA SQUAMOSA*. **Annonaceae.** **Sugar-apple.**

No. 1025. From the market in Cali, Colombia, July 10, 1941. Fruits firmer and of more uniform shape than those in Florida.

142213 to 142218—Continued

142214. *CEROXYLON FERRUGINEUM* André. Phoenicaceae.

No. 1023. From Quindío River above Salento, Colombia, July 11, 1941.

142215. *CYCLANTHERA PEDATA* (L.) Schrad. Cucurbitaceae.

No. 1026. From near Boguía, Colombia, July 10, 1941.

142216. *LUCUMA* sp. Sapotaceae.

No. 1019. From Trapiche Island, Republic of Panama, July 7, 1941.

142217. *MARTINEZIA* sp. Phoenicaceae.

No. 1024. *Chascaral* or *Palma Oram*. From Bugatla Grande city square, Colombia, July 11, 1941. A very slender palm with leaves in a terminal cluster; fruits red, showy.

142218. *SCHEELEA BUTYRACEA* (Mutis) Wendl. Phoenicaceae.

No. 1028. *Palma Real*. From Espinal, Colombia, July 12, 1941. A stately pinnate-leaved palm with an immense crown.

142219. *PRUNUS*. Amygdalaceae.

From Maryland. Plants growing at the United States Plant Introduction Garden, Glenn Dale. Numbered August 19, 1941.

Selection from *Prunus insititia*, P. I. 85963.

142220. *AMYGDALUS PERSICA* L. Amygdalaceae.

Peach.

From New Zealand. Trees presented by A. G. Sainsbury, Otahuhu, near Auckland. Received August 22, 1941.

Victory peach.

142221 and 142222. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

From Australia. Seeds presented by the Department of Agriculture, Melbourne, Victoria. Received August 22, 1941.

142221. *Pindar*.

142222. *Quadrat*.

142223. *BABIANA STRICTA* var. *SULPHUREA* (Jacq.) Baker. Iridaceae.

From California. Bulbs presented by the H. A. Hyde Co., Watsonville. Received October 30, 1937. Numbered August 25, 1941.

For previous introduction see 132678.

142224 to 142230.

From Brazil. Presented by the Instituto Agronómico, Belém, Pará. Received August 25, 1941.

142224 to 142228. *HEVEA BRASILIENSIS* (A. Juss.) Muell. Arg. Euphorbiaceae.
Para rubber tree.

Budsticks of the following:

142224. F-5475.

142227. F-315.

142225. F-170.

142228. B-14.

142226. F-6395.

For previous introduction see 139563.

142229. *HEVEA SPRUCEANA* (Benth.) Muell. Arg.

Seeds.

For previous introduction see 47530.

142230. *HEVEA* sp.

Seeds.

142231 to 142233.

From Chile. Seeds presented by the Jardín Botánico, Concepción, through the New York Botanic Garden, New York, N. Y. Received August 21, 1941.

142231. *ABUTILON VITIFOLIUM* Presl. Malvaceae.

Huella. A beautiful shrub with large bell-shaped flowers, lavender blue, or sometimes white. The leaves, cordate in general outline, are usually 3- to 5-lobed. Native to Chile.

142232. *QUILLAJA SOPONARIA* Molina. Rosaceae. **Quillay.**

A large handsome evergreen tree, the bark of which contains saponin. The shining-green ovate leaves are 1 to 2 inches long, and the small white flowers are solitary or in small clusters. Native to Chile.

142233. *RELBUNIUM HYPOCARPIUM* (L.) Hemsf. Rubiaceae.

Relbun. A creeper with roots that contain alizarine and are used for dyeing red.

142234. *PYRUS* sp. Malaceae. **Pear.**

From Delaware. Scions presented by William S. Mitchell, Wilmington. Received September 9, 1941.

142235 and 142236. *AMYGDALUS PERSICA* L. Amygdalaceae. **Peach.**

From Canada. Scions presented by Dr. W. H. Upshall, Horticultural Experiment Station, Vineland Station, Ontario. Received September 11, 1941.

142235. *Vee Freeze*.

142236. *Vanguard*.

142237 to 142240.

From Brazil. Budsticks and seeds presented by the Instituto Agronómico do Norte, Belém, Pará. Received September 16, 1941.

142237. *HEVEA* sp. Euphorbiaceae.

F 176. Budsticks.

142238. *HEVEA* sp.

F 211. Budsticks.

142239. *HEVEA* sp.

F 409. Budsticks.

142240. *HEVEA BENTHAMIANA* Muell. Arg.

No. 4538. Seeds.

142241. *BOEHMERIA MACROPHYLLA* D. Don. Urticaceae.

From China. Seeds collected by the Fan Memorial Expedition to Yunnan, and presented by the Arnold Arboretum, Jamaica Plain, Massachusetts. Numbered August 9, 1941.

No. 1423.

For previous introduction see 61597.

142242 to 142247. *HEVEA BRASILIENSIS* (A. Juss.) Muell. Arg. Euphorbiaceae. **Para rubber tree.**

From Costa Rica. Plants presented by the Goodyear Rubber Plantation, San José. Received September 19, 1941.

142242. GF-7. B 32.

142245. GF-45. F 1620.

142243. GF-23. F 409.

142246. GF-48. F 211.

142244. GF-41. F 374.

142247. GF-49. F 1645.

For previous introduction see 142228.

142248 to 142252.

From the Union of South Africa. Seeds presented by the McGregor Museum, Kimberley. Received September 10, 1941.

142248. *CLEMATIS BRACHIATA* Thunb. Ranunculaceae.

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

142249. *ERAGROSTIS BRIZANTHA* Nees. Poaceae. **Grass.**

An annual grass, native to sandy foothills in South Africa, with numerous stems and slender, flat, rigid leaves 1 to 2 inches long.

For previous introduction see 106086.

142250. *ERAGROSTIS SUPERBA* Peyr. **Grass.**

For previous introduction see 142055.

142251. *HYPARRHENIA HIRTA* (L.) Stapf. Poaceae. **Grass.**

For previous introduction see 142143.

142252. *TRICHOLAENA REPENS* (Willd.) Hitchc. Poaceae. **Natal grass.**

For previous introduction see 132813.

142253. *GOSSYPIUM*. Malvaceae. **Cotton.**

From the British West Indies. Seeds presented by J. B. Hutchinson, Trinidad. Received September 22, 1941.

C. B. 1429. Triumph UA 2-1-G. C. 136 × Gossypium aridum W 2-1.

142254. *CEROXYLON ANDICOLA* Humb. & Bonpl. Phoenicaceae.

From Colombia. Seeds collected by Dr. David Fairchild, Coconut Grove, Florida. Received September 22, 1941.

For previous introduction see 112100.

142255 to 142259. *PASPALUM DILATATUM* Poir. Poaceae. **Dallis grass.**

From Uruguay. Seeds presented by Dr. Bernardo Rosengurtt, Montevideo. Received September 19, 1941.

142255. Monzón-Heber 1.

142258. Monzón-Heber 254.

142256. Monzón-Heber 1.

142259. Monzón-Heber 456.

142257. Monzón-Heber 454.

For previous introduction see 136839.

142260. *QUERCUS ACUTISSIMA* Carruthers (*Q. serrata* Sieb. & Zucc.). Fagaceae. **Bristletooth oak.**

From Japan. Seeds purchased from the Yamamoto Seed House, Yamamoto, Hyogoken. Received February 24, 1932. Numbered in 1941.

An oak with attractive bright-green, sharply serrate leaves.

For previous introduction see 120652.

142261 to 142265.

From Alaska. Seeds presented by Rev. M. L. Wanner, Valdez, through J. J. Hamilton, Washington, D. C. Received September 24, 1941.

142261. *VACCINIUM* sp. Vacciniaceae. **Blueberry.**
Medium-sized bush.

142262. *VACCINIUM* sp.
Common type.

142263. *VACCINIUM* sp.
Fruits dusty blue, large.

142261 to 142265—Continued**142264. VACCINIUM sp.**

Bush medium-sized.

142265. VACCINIUM sp.

Fruits large.

142266. VACCINIUM sp. Vacciniaceae.**Blueberry.**

From Massachusetts. Seeds presented by W. P. Kaparakis, Osterville, through J. J. Hamilton, Washington, D. C. Received September 24, 1941.

142267 and 142268. PRUNUS. Amygdalaceae.

From California. Tree growing at the United States Plant Introduction Garden, Chico. Numbered September 30, 1941.

142267. Selection (O. R. C. Tree 60) from P. I. 78518.**142268. Selection (J. R. 3. Tree 97) from P. I. 78518.****142269 and 142270.**

From Nebraska. Seeds presented by G. R. Viehmeyer, Stapleton. Received February 27, 1941. Numbered September 30, 1941.

142269. PENSTEMON ALBIDUS Nutt. Scrophulariaceae.

A drought-resistant perennial bearing white flowers with dark markings in the throat.

142270. PENSTEMON GLABER Pursh.

A herbaceous perennial, 1 to 3 feet high, with showy blue flowers 1 inch long in panicles. Native to the Rocky Mountains.

For previous introduction see 123891.

INDEX OF COMMON AND SCIENTIFIC NAMES

- Abutilon vitifolium*, 142231.
Agapanthus sp., 142103.
Agave utahensis, 142205.
 Alfalfa. See *Medicago sativa*.
Alloteropsis semialata, 142131.
Amygdalus persica, 142220, 142235, 142236.
Anacardium occidentale, 142068.
Andropogon amplexens, 142132.
Anemopsis californica, 142206.
Annona squamosa, 142213.
Anthephora pubescens, 142050.
Anthoschmidia bulbosa, 142051.
Argeta petrensis, 142104.
Argyroderma sp., 142107.
 blandum, 142105.
 testiculare, 142106.
Aristea thyrsoflora, 142108.
Aster sp., 142039.
Attalea sp., 142210.

Babiana atrocyanea, 142109.
 stricta var. *sulphurea*, 142223.
Bellota miersii, 142063, 142064.
 Blackberry, Colombian. See *Rubus macrocarpus*.
 Blueberry. See *Vaccinium* spp.
Boehmeria macrophylla, 142241.
Brachiaria humidicola, 142133.
Bromus catharticus, 142196-142200.
Burkillanthus malaccensis, 142071.

 Cashew. See *Anacardium occidentale*.
Centella asiatica, 142030.
Ceroarylon andicola, 142254.
 ferrugineum, 142049, 142214.
Cheiridopsis caroli-schmidtii, 142110.
 Cherry, Higan. See *Prunus subhirtella*.
Chloris capensis, 142031.
 distichophylla, 142201.
Cinchona officinalis, 142195.
Citrus sp., 142048.
Clematis brachiata, 142248.
 Corn. See *Zea mays*.
 Cotton. See *Gossypium*.
Cupressus benthami, 142212.
Cyanella capensis, 142111.
Cyclanthera pedata, 142215.
Cymbopogon plurinodis, 142052.
 Cypress, Bentham. See *Cupressus benthami*.

Danthonia sp., 142134.
Digitaria spp., 142032, 142135.

Echinochloa pyramidalis, 142136-142141.
 Elm, Chinese. See *Ulmus pumila*.
Elyonurus argenteus, 142142.
Eragrostis sp., 142053.
 brizantha, 142249.
 lehmanniana var. *ampla*, 142033.
 porosa, 142054.
 superba, 142034, 142055, 142250.

Fingerhuthia africana, 142056.
Freesia sp., 142112.
Fritillaria camschatcensis, 142040.

Geissorhiza splendidissima, 142113.
Gibbaeum perviride, 142114.
 velutinum, 142115.
Gladiolus odoratus, 142116.
 watermeyeri, 142117.
Glottiphyllum linguiforme, 142118.
Gossypium, 142162-142166, 142253.
 Grass. See *Andropogon amplexens*,
 Anthephora pubescens, *Anthoschmidia bulbosa*, *Brachiaria humidicola*, *Bromus catharticus*,
 Chloris spp., *Cymbopogon plurinodis*, *Danthonia* sp., *Digitaria* sp.,
 Echinochloa pyramidalis, *Elyonurus argenteus*, *Eragrostis* spp.,
 Fingerhuthia africana, *Hyparrhenia hirta*, *Leptochloa chloridiformis*,
 Monocymbium ceresiiforme, *Panicum* spp., *Pogonarthria squarrosa*,
 Setaria spp., *Sporobolus* spp., *Trachypogon* sp., *Tricholaena* sp.
 cockatoo. See *Alloteropsis semialata*.
 Dallis. See *Paspalum dilatatum*.
 Guinea. See *Panicum maximum*.
 Johnson. See *Sorghum halepense*.
 molasses. See *Melinis minutiflora*.
 Napier. See *Pennisetum purpureum*.
 Natal. See *Tricholaena repens*.

Hevea spp., 142230, 142237-142239.
 benthamiana, 142240.
 brasiliensis, 142224-142228, 142242-142247.
 spruceana, 142229.
Hyparrhenia hirta, 142143, 142251.

Ipomoea batatas, 142072-142088.

Lapeyrousia jacquinii, 142119.
Leptochloa chloridiformis, 142202.
Litchi chinensis, 142167.
Lithops turbiniformis, 142120.
Lucuma sp., 142216.
Luetkea pectinata, 142041.
 Lychee. See *Litchi chinensis*.

Martinezia sp., 142217.
 Mayten. See *Maytenus boaria*.
Maytenus boaria, 142065.
Medicago sativa, 142062.
Melaleuca genistifolia, 142069.
Melinis minutiflora, 142211.
Monocymbium ceresiiforme, 142144.
Myrica gale, 142042.

Nephrophyllidium crista-galli, 142043.

- Oak, bristletooth. See *Quercus acutissima*.
- Ocotea* spp., 142066, 142067.
- Ornithogalum lacteum*, 142121.
saundersiae, 142122.
- Panicum coloratum*, 142145.
maximum, 142146-142148.
natalense, 142149.
- Paspalum dilatatum*, 142255-142259.
- Peach. See *Amygdalus persica*.
- Pear. See *Pyrus* sp.
- Pennisetum purpureum*, 142150-142152.
- Penstemon albidus*, 142269.
glaber, 142270.
- Pitcairnia* sp., 142209.
- Pogonarthria squarrosa*, 142035, 142057.
- Posoqueria latifolia*, 142070.
- Prunus*, 142219, 142267, 142268.
subhirtella, 142203, 142204.
- Pyrus* sp., 142234.
- Quercus acutissima*, 142260.
- Quillaja saponaria*, 142232.
- Quillay. See *Quillaja saponaria*.
- Rebutia minuscula*, 142208.
- Retbunium hypocarpium*, 142233.
- Romulea bulbocodoides*, 142123.
- Rubbertree, Para. See *Hevea brasiliensis*.
- Rubus macrocarpus*, 142168.
- Scheelea butyracea*, 142218.
- Senecio* sp., 142124.
- Setaria* spp., 142154-142159.
sphaelata, 142153.
- Sorghum. See *Sorghum vulgare*.
Sorghum halepense, 142058-142061.
Sorghum vulgare, 142089-142096.
- Sparaxis*, 142126.
grandiflora, 142125.
- Spiranthes romanzoffiana*, 142044.
- Sporobolus fimbriatus*, 142036.
fimbriatus var. *latifolius*, 142160.
- Star-of-Bethlehem. See *Ornithogalum* spp.
- Streptanthera cuprea*, 142127.
- Sugar-apple. See *Annona squamosa*.
- Sweetpotato. See *Ipomoea batatas*.
- Swertia perennis*, 142047.
- Tigridia* sp., 142038.
- Tofieldia*, sp., 142046.
occidentalis, 142045.
- Trachypogon* sp., 142161.
- Tricholaena* sp., 142037.
repens, 142252.
- Triticum aestivum*, 142221, 142222.
- Ulmus pumila*, 142169-142194.
- Vaccinium* spp., 142261-142266.
- Wandflower. See *Sparaxis grandiflora*.
- Watsonia angusta*, 142123.
beatricis, 142129.
iridifolia var. *o'brieni*, 142130.
- Wheat, common. See *Triticum aestivum*.
- Yucca angustissima*, 142207.
- Zea mays*, 142097-142102.