

1784

# Plant Inventory No. 137

UNITED STATES DEPARTMENT OF AGRICULTURE

Washington, D. C. November 1949



## PLANT MATERIAL INTRODUCED BY THE DIVISION OF PLANT EXPLORATION AND INTRODUCTION, BUREAU OF PLANT INDUSTRY,<sup>1</sup> OCTOBER 1 TO DECEMBER 31, 1938 (Nos. 130580 to 131243)

### CONTENTS

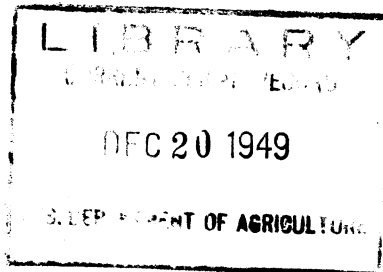
	Page
Introductory statement -----	1
Inventory -----	2
Index of common and scientific names -----	33

### INTRODUCTORY STATEMENT

This inventory, No. 137, is a record of the plant material (Nos. 130580 to 131243) received by the Division of Plant Exploration and Introduction during the period from October 1 to December 31, 1938. The manuscript was 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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<sup>1</sup> Now Bureau of Plant Industry, Soils, and Agricultural Engineering, Agricultural Research Administration, United States Department of Agriculture.



## 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.

### 130580. *AGROSTIS CANINA* L. Poaceae.

#### European bentgrass; Rhode Island bentgrass.

From the Netherlands. Seeds presented by Barenburg's Zaadhandel, Arnhem. Received October 10, 1938.

### 130581 to 130594. *HORDEUM* spp. Poaceae.

#### Barley.

From Italy. Seeds presented by Dr. G. R. Giglioli, Ministero Dell 'Africa Italiana, Firenze (Florence). Received October 12, 1938.

A collection of native varieties from Ethiopia.

### 130581 to 130587. *HORDEUM DEFICIENS* Steud.

#### Deficient barley.

For previous introduction see 95110.

130581. No. 461. From Ascianghi Lake, 1937.

130582. No. 462. Black barley from Tigrai, 1937.

130583. No. 463. From Tigrai, 1937.

130584. No. 470. *Tucur Gebes*. Black barley from Oletta, 1937.

130585. No. 472. *Senef Colò*. From Mettalia, 1937.

130586. No. 473. *Samarieta*. Black barley from Addis Alem (Scioa), 1937.

130587. No. 474. *Samarieta*. White barley from Addis Alem (Scioa), 1937.

### 130588 to 130594. *HORDEUM VULGARE* L.

130588. No. 464. *Tucur Gebes*. From Addis Alem (Scioa), 1937.

130589. No. 465. From Ascianghi Lake, 1937.

130590. No. 466. From Oletta (Scioa), 1937.

130591. No. 467. From Oletta (Scioa), 1937.

130592. No. 469. From Oletta (Scioa), 1937.

130593. No. 471. *Ghebber Tucur*. Black barley from Coda R. Res. di Ada (Scioa), 1937.

130594. No. 475. *Tomex*. From Careccià-Addis Alem (Scioa), 1937.

### 130595. *AMYGDALUS ANDERSONII* (A. Gray) Greene. Amygdalaceae.

#### Wild peach.

From Nevada. Collected by W. A. Archer, Bureau of Plant Industry. Received October 11, 1938.

No. A-7300. Collected 2 miles west of Reno.

For previous introduction see 26297.

### 130596. *ANTIGONON LEPTOPUS* Hook. and Arn. Polygonaceae.

#### Rosa-de-montana.

From Florida. Plants growing at the United States Plant Introduction Garden, Coconut Grove. Numbered in October 1938.

Variety *Alba*. A variety with white flowers.

**130597 to 130599. MAGNOLIA spp. Magnoliaceae.**

From France. Seeds presented by A. Gérard, La Fosse, Montoire sur Loir, Loir-et-Cher. Received October 24, 1938.

**130597. MAGNOLIA WILSONII f. TALIENSIS (W. W. Smith) Rehd.**

A form which differs from the species in having glaucescent leaves which are glabrescent beneath except for the rufus-pilose midrib.

**130598. MAGNOLIA SIEBOLDII K. Koch.**

A small handsome Japanese tree with broad elliptic to obovate-oblong leaves 3 to 6 inches long and fragrant white, cup-shaped flowers 3 to 4 inches across, with large pink sepals and crimson stamens.

**130599. MAGNOLIA WILSONII (Finet and Gagn.) Rehd.**

A large shrub with pure-white, deliciously fragrant flowers which are produced freely during late May and early June. It is native to western Szechwan, China.

For previous introduction see 106672.

**130600 and 130601.**

From Mexico. Seeds collected by Mrs. Ynes Mexia, Bureau of Plant Industry, United States Department of Agriculture, and presented by Mrs. Floy Brace-  
lin, University of California, Berkeley, Calif. Received October 1, 1938.

**130600. BOMAREA sp. Amaryllidaceae.**

No. 9085-A. From Barranca del Ranchito, Petacala, State of Guerrero, at about 1,900 m. altitude, on a mountain slope covered with pine forest. A climbing shrub with scarlet fruits.

**130601. SOLANUM TEQUILENSE A. Gray. Solanaceae.**

No. 8737-A. From Barranca El Salto, Temisco, State of Guerrero, on an overgrown cleared space at 370 m. altitude. An herb 1.5 m. high with abundant orange fruits the size of a golf ball and covered with stinging fuzz; the edible sweetish pulp contains many seeds.

**130602. MALUS sp. Malaceae.**

From India. Seeds obtained through Walter Koelz, Bureau of Plant Industry, United States Department of Agriculture. Received October 4, 1938.

From Kyelang, Lahul, Punjab. A handsome flowering apple from the high Himalayas of the Punjab.

**130603 to 130606. GOSSYPIMUM. Malvaceae.****Cotton.**

From Egypt. Seeds presented by the Horticultural Station, Giza, through the Ministry of Agriculture. Received October 4, 1938.

**130603. Giza No. 7.****130605. Giza No. 29.****130604. Giza No. 26.****130606. Sakha No. 4.****130607. IPOMOEA BATATAS (L.) Lam. Convolvulaceae. Sweetpotato.**

From Africa. Tubers presented by the Government Botanist, Department of Agriculture, Khartoum North, Anglo-Egyptian Sudan. Received October 4, 1938.

A locally grown variety.

**130608. AVENA SATIVA L. Poaceae.****Oats.**

From England. Seeds presented by the National Institute of Agricultural Botany, Cambridge. Received October 6, 1938.

No. S-147.

## 130609 to 130625.

From the Netherlands. Bulbs purchased from C. G. van Tubergen, Ltd., Zwanenburg Nurseries, Haarlem. Received October 11, 1938.

## 130609 to 130611. ALLIUM spp. Liliaceae.

130609. ALLIUM ATROPURPUREUM Waldst. and Kit.

Onion.

An upright, rather tall onion, sometimes over 3 feet high, with 2 to 4 narrow-linear leaves much shorter than the stem. The small, dark-purple flowers, sometimes rose purple with a darker middle stripe, are in dense hemispherical or spherical clusters. Native to meadows in southeastern Europe.

For previous introduction see 124932.

## 130610. ALLIUM TRIQUETRUM L.

A bulbous plant with a 3-angled stem, common on the coast of Algeria. In its usual surroundings this plant is a rather dwarfed weed of dry texture, but it has been found that when transplanted to good garden soil and plenty of fresh water, it produces, during the winter, large plants with white, tender succulent underground parts. If the green leaves are removed, the rest of the stem forms a delicate vegetable with no odor of garlic.

For previous introduction see 105748.

## 130611. ALLIUM URSINUM L.

Onion.

A wild European onion which grows in large masses in the open woods. When in flower it is very effective, clothing the ground with its broad green leaves, above which the numerous umbels of white flowers are borne on scapes.

For previous introduction see 124950.

## 130612. × BRUNSDONNA PARKERI Lawrence. Amaryllidaceae.

*Tubergen's Variety.* A hybrid, *Brunsvigia josephinae* × *Amaryllis belladonna* var. *Purpurea Major*, closely resembling the seed parent, but the pedicels are much shorter and the flowers larger and brighter, in color a warm purple rose. Received as *Brunsdonna tubergeni*.

## 130613. BRUNSVIGIA GIGANTEA Heist. Amaryllidaceae.

A brunsvigia with about 4 tongue-shaped leaves 2 to 5 inches broad and about 1-foot long. The 20 to 30 bright-red flowers, about 2 inches long, are in an umbel on a scape 1 foot or more high. Native to South Africa.

For previous introduction see 115317.

## 130614. BRUNSVIGIA JOSEPHINAE (Red.) Ker.

A bulbous plant 2 to 3 feet high, with 8 or 10 thick, closely ribbed, strap-shaped leaves and large bright-red flowers. Native to South Africa.

For previous introduction see 115318.

## 130615 to 130618. HIPPEASTRUM spp. Amaryllidaceae.

## 130615. HIPPEASTRUM ADVENUM (Ker) Herbert.

A hippeastrum with narrow-linear leaves and an umbel of 2 to 6 yellow or red flowers, each about 2 inches long. Native to Chile.

## 130616. HIPPEASTRUM PHYCELLOIDES (Herbert) Baker.

A hippeastrum with several narrow linear leaves and an umbel of 3 to 6 erect or ascending, bright-red, narrowly funnel-shaped flowers, with short tubes and equally short perianth segments. Native to the Andes of Chile.

## 130617. HIPPEASTRUM PRATENSE (Poepp.) Baker.

A hippeastrum with linear leaves to 1½ feet long and an umbel of 2 to 4 bright-red, ascending or horizontal flowers, the segments over 1 inch long. Native to Chile.

## 130618. HIPPEASTRUM ADVENUM (Ker) Herbert.

For previous introduction and description see 130615.

## 130609 to 130625—Continued

130619. *HAEMANTHUS ALBIFLOS* Jacq. Amaryllidaceae.

A haemanthus with 2 to 4 thick, fleshy, obtuse, nearly erect leaves about 8 inches long and 4 inches broad and a pale-green scape about 1 foot high, bearing a dense globose umbel of white flowers. Native to South Africa.

130620. *HAEMANTHUS ALBIFLOS* var. *BRACHYPHYLLUS* Baker.

A variety with oblong leaves 3 or 4 inches long and the peduncle a little shorter than the leaves.

130621. *LYCORIS INCARNATA* Sprenger. Amaryllidaceae.

A bulbous herb with a scape 18 inches or more high and 6 to 12 flesh-colored or bright-rose, large fragrant, widely expanded flowers in an umbel. Native to Japan.

130622. *NERINE SARNIENSIS* (L.) Herbert. Amaryllidaceae. **Guernsey-lily.**

A bulbous perennial, native to South Africa, with bright-crimson flowers which are borne in an umbel of 10 to 12 on a scape 12 to 18 inches high.

For previous introduction see 77592.

130623 to 130625. *TECOPHILAEA* spp. Amaryllidaceae.

130623. *TECOPHILAEA CYANO-CROCUS* Leyb.

A bulbous plant with several linear, channeled, undulate radical leaves and 1 to 3 erect scapes up to 6 inches high, each with a single blue campanulate flower about ½ inch long. Native to Chile.

130624. *TECOPHILAEA CYANO-CROCUS* Leyb.

Var. *Leichtlinii*. Deep-blue flowers.

130625. *TECOPHILAEA CYANO-CROCUS* Leyb.

Var. *Violacea*. Bluish-violet flowers.

130626 to 130648. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**

From Australia. Seeds presented by Dr. H. Wenzholz, Department of Agriculture, Sydney, New South Wales. Received October 12, 1938.

130626. *Egypt N. A. 95, C. 12095.* (Original Kenya.)

130627. *Kenya C. 6040.*

130628. *Kenya C. 6041.*

130629. *Kenya C. 6042.*

130630. *Kenya C. 9968.*

130631. *Kenya C. 10857.*

130632. *Kenya C. 10860.*

130633. *Kenya C. 10861.*

130634. *Kenya C. 10865.*

130635. *Kenya × Reward × Dundee.* 80278.

130636. *Kenya × Reward × Dundee.* 80279.

130637. *Kenya × Reward × Dundee.* 80280.

130638. *Kenya × Florence × Dundee × Dundee.* 80372.

130639. *Kenya × Florence × Dundee × Dundee.* 80373.

130640. *Kenya × Florence × Dundee × Pusa 4 × Ford.* 80393.

130641. *Kenya × Florence × Dundee × Pusa 4 × Ford.* 80395.

130642. *Kenya × Gular.* 80456.

130643. *Kenya × Florence × Dundee.* 81001.

130644. *Yenya × Florence × Dundee.* 81002.

130645. *Kenya × Florence × Dundee.* 81003.

## 130626 to 130648—Continued

130646. *Kenya* × *Florence* × *Dundee*. 81004.130647. *Kenya* × *Florence* × *Dundee*. 81005.130648. *Kenya* × *Florence* × *Dundee* × *Pusa 4* × *Ford*. 81330.130649. *ORYZA GLABERRIMA* Steud. Poaceae.

Rice.

From India. Seeds presented by Sri. C. R. Srinivasa Ayyangar, paddy specialist, Lawley Road, P. O. Coimbatore. Received October 12, 1938.

130650 to 130662. *ORYZA SATIVA* L. Poaceae.

Rice.

From Australia. Seeds from the Rice Experiment Station, Leeton, presented by the Department of Agriculture, New South Wales. Received October 12, 1938.

130650. *Amber Y.* 4704. (Scented.)130651. *Agostane Y.* 5048.130652. *Asaki.* 5005. Late.130653. *Bangoa K. V.* 22. Late.130654. *Basantabahar* × *bd.* Seln. 10-1. Midseason.130655. *Byakkoku.* 5006.130656. *Chehkiang* No. 129. *Y.* 4724. Late.130657. *Greggio Y.* 5049. Midseason.130658. *Kagiban* No. 2 *Y.* 5008. Late.130659. *Manzano* 6. *Y.* 5220.130660. *Taichu* No. 65. *V.* 5009. Midseason.130661. *Tile.* *Y.* 5115. Late.130662. *Yangambi Y.* 5219. Late.

## 130663 to 130675.

From Japan. Material purchased from W. Wada, Hakoneya Nurseries, Numazu-shi. Received October 19, 1938.

Unless otherwise mentioned, the material was received as bulbs.

130663. *CRINUM ASIATICUM* L. Amaryllidaceae.

Poisonbulb.

For previous introduction see 25800.

130664. *LILIUM ELEGANS* Thunb. (*L. thunbergianum* Schultes).Liliaceae.  
Japanese lily.130665 to 130669. *LYCORIS* spp. Amaryllidaceae.130665. *LYCORIS ALBIFLORA* Koidz.

A lycoris, cultivated in Japan, allied to *Lycoris radiata*, but with smaller white flowers. The linear leaves, about 8 inches long, are produced in the winter.

130666. *LYCORIS AUREA* (L'Her.) Herbert.

Cluster-amaryllis.

A bulbous perennial, native to China, with sword-shaped leaves which die down before the appearance of the golden-yellow flowers; the latter are 3 to 4 inches across, borne in an umbel on a scape 1 to 3 feet high.

For previous introduction see 77989.

130667 and 130668. *LYCORIS RADIATA* (L'Her.) Herbert.

Cluster-amaryllis.

A bulbous perennial with bright-red flowers. Native to Japan.

For previous introduction see 77990.

130669. *LYCORIS SQUAMIGERA* Maxim.

Hardy cluster-amaryllis.

A bulbous perennial with linear leaves which die down before the appearance of the flowers. These vary in appearance from bright red to rosy lilac and are borne in an umbel on a scape up to 18 inches high. Native to Japan.

For previous introduction see 77992.

## 130663 to 130675—Continued

130670. *SCILLA THUNBERGII* Miyabe and Kudo (*S. japonica* Baker). Liliaceae.

A scilla with 2 or 3 fleshy leaves 6 to 12 inches long and 1 to 3 erect scapes with many small rose-purple flowers borne in racemes. Native to Japan.

130671 to 130675. *TRICYRTIS* spp. Melanthiaceae.

This material was received as roots.

130671. *TRICYRTIS* sp.

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

130672. *TRICYRTIS HIETA* Hook.

Hairy toadlily.

A perennial herb 1 to 2 feet high, covered with soft whitish spreading hairs. The cordate-lanceolate leaves clasp the stem, and the white, lilylike flowers are covered with purple spots.

For previous introduction see 103384.

130673. *TRICYRTIS LATIFOLIA* Maxim.

A tricyrtis with zigzag stems up to 3 feet high, broadly oblong or ovate leaves, and a terminal corymb of whitish flowers with small purple spots. Native to Japan.

For previous introduction see 114195.

130674. *TRICYRTIS MACRANTHOPSIS* Masamune.

A tricyrtis with a slightly flexuose stem 1 to 2 feet high, oblique oblong-lanceolate or lanceolate leaves, usually clasping, 2½ inches long, and campanulate yellow flowers spotted with dark purple. Native to Japan.

130675. *TRICYRTIS* sp.

130676 to 130687. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.

From Germany. Seeds presented by Prof. Th. Roemer, University of Halle-Saale, Halle-Saale. Received October 19, 1938.

130676. *Halle 1724* 3f.

130682. *Halle 1820* 3f.

130677. *Halle 1766* 3f.

130683. *Halle 1862* 3f.

130678. *Halle 1782* 3f.

130684. *Halle 1879* 3f.

130679. *Halle 1792* 3f.

130685. *Halle 1900* 3f.

130680. *Halle 1805* 3f.

130686. *Halle 1937* 3f.

130681. *Halle 1810* 3f.

130687. *Halle 1953* 3f.

130688 to 130718.

From New Zealand. Seeds presented by V. Launder Millin, Napier. Received October 13, 1938.

130688 to 130695. *ACACIA* spp. Mimosaceae.

130688. *ACACIA ACINACEA* Lindl.

A handsome small tree with ornamental foliage and pretty flowers. Native to Australia.

For previous introduction see 88732.

130689. *ACACIA ACUMINATA* Benth.

A tree 30 to 40 feet high, native to Western Australia, with falcate linear phyllodes 3 to 10 inches long and small flower spikes 1 inch long. The wood, which has an odor resembling raspberry jam, is dark reddish brown, close-grained, and hard and is suitable for ornamental woodwork and for fence posts.

For previous introduction see 95314.

130690. *ACACIA FALCIFORMIS* DC.

A tree allied to *Acacia penninervis*, but the phyllodia are usually longer and more falcate. Native to Australia.

## 130688 to 130718—Continued

130691. *ACACIA HOWITTI* F. Muell.

A shrub, often 15 feet high, native to Australia. The branchlets are slender and flexible, bearing curved, lanceolate, dark-green phyllodes and axillary clusters of small yellow flower heads.

For previous introduction see 75539.

130692. *ACACIA MYRTIFOLIA* Willd.

A tall shrub with angular branchlets and ovate phyllodes edged with pink and with heads of rather large yellow flowers in racemes. Native to Australia.

For previous introduction see 76856.

130693. *ACACIA PENTADENIA* Lindl.

A tall shrub with bipinnate leaves of many small leaflets and globular, clustered flower heads. Native to Western Australia.

130694. *ACACIA SOPHORAE* (Labill.) R. Br.

An evergreen shrub or small tree with obovate-oblong phyllodia 2 to 3 inches long. Native to Australia.

130695. *ACACIA STRICTA* (Andrews) Willd.

A shrub 3 to 6 feet high with linear phyllodia. The paired axillary heads of yellow flowers are borne freely in spring on short peduncles well down from the leafy tips of the branches. The wood is of beautiful texture, sound and durable, but too small for general use. Native to Tasmania and southeastern Australia.

For previous introduction see 48065.

130696. *ACIPHYLLA SQUARROSA* Forst. Apiaceae.

A stout erect herbaceous perennial 2 to 6 feet high, with numerous spreading 2- to 3-pinnate radical leaves 1 to 3 feet long. The leaflets are very narrow-linear and spiny pointed. The dense spikelike panicle has many umbels of very small greenish-white flowers, almost concealed in the axils of the spiny bracts. Native to New Zealand.

130697. *BAECKEA VIRGATA* Andrews. Myrtaceae.

An erect loosely branched shrub up to 12 feet high. Native to Australia. The narrowly oblong leaves, less than 1 inch in length, are opposite, and the small white flowers are in clusters of 2 or 3 in the axils of the upper leaves.

For previous introduction see 57744.

130698. *BURTONIA VILLOSA* Meissn. Fabaceae.

An erect shrub with virgate stems, digitate leaves of 3 small, narrow-linear leaflets, and large solitary, pale-purple flowers. Native to Australia.

130699 to 130701. *CALLISTEMON* spp. Myrtaceae.130699. *CALLISTEMON SPECIOSUS* (Sims) DC.

**Showy bottlebrush.**

A large shrub, native to New South Wales, Australia, but cultivated in the British Isles and in the United States. The leaves are lance-shaped with prominent midribs, and the bright-red flowers occur in terminal spikes 2 to 6 inches long. The golden-yellow anthers, contrasting with the dark-red filaments, make this a beautiful ornamental. It may be grown anywhere except in places subject to frost.

For previous introduction see 43647.

130700. *CALLISTEMON PHOENICEUS* Lindl.

A tall shrub with narrowly lanceolate leaves 2 to 4 inches long and spikes of large flowers with rich-red stamens. Native to Australia.

For previous introduction see 76934.

130701. *CALLISTEMON SPECIOSUS* (Sims) DC.

For previous introduction and description see 130699.



## 130688 to 130718—Continued

130702. *CASSIA JAVANICA* L. Caesalpinaceae.

A small tree with gorgeous pink flowers over 2 inches across, borne in large clusters during the spring and early summer. It is deciduous in the dry season. Native to tropical Asia.

For previous introduction see 123168.

130703. *CASUARINA BAXTERIANA* Miquel. Casuarinaceae.

A densely branched shrub 3 to 6 feet high, with numerous erect branches, distinctly 7- to 8-angled, and with pale-green internodes up to  $\frac{1}{4}$  inch long.

For previous introduction see 93781.

130704. *CASUARINA CAMPESTRIS* Diels.

A dioecious shrub, 3 to 6 feet high, with numerous erect branches. The internodes are glaucous or shining green and striate. Native to Western Australia.

For previous introduction see 105791.

130705. *CHORIZEMA CORDATUM* Lindl. Fabaceae.

A tall slender glabrous evergreen shrub 7 to 10 feet high, with weak branches, more or less prickly leaves about 2 inches long, and numerous red flowers. It is propagated from cuttings and may be grown in the open in southern California and southern Florida, being excellent for training on pillars and trellises. In colder regions it is an attractive plant for the cool greenhouse. Native to Western Australia.

For previous introduction see 106706.

130706. *CONOSPERMUM BRACTEOSUM* Meissn. Proteaceae.

An undershrub with, usually, simple stems 1 to 2 feet high and petioled basal leaves having nearly orbicular blades 1 inch long. The stem leaves are bractlike, closely appressed, and only  $\frac{1}{2}$  inch long. The flexuose spikes, 2 to 3 inches long, are in the axis of the upper leaves and bear small violet flowers, densely covered with silky white hairs. It is native to Western Australia.

For previous introduction see 106328.

130707. *EUCALYPTUS TETRAGONA* (R. Br.) F. Muell. Myrtaceae.

A low scrubby shrub or small tree, with thick, rigid, leathery, broadly ovate to lanceolate-falcate leaves up to 4 inches long. Native to Western Australia.

130708. *GAULTHERIA RUPESSTRIS* (L. f.) Don. Ericaceae.

A very variable erect or prostrate bush, with small white flowers in racemes, occurring among rocks throughout both islands of New Zealand.

For previous introduction see 34917.

130709. *GOODIA LOTIFOLIA* Salisb. Fabaceae.

An ornamental shrub, native to Australia, with 3 ovate leaflets and loose racemes of purple-spotted yellow flowers.

For previous introduction see 77969.

130710. *KENNEDYA NIGRICANS* Lindl. Fabaceae.

A large twining vine, native to Western Australia. The broad ovate leaflets, 2 to 3 inches long, are often only 1 to each leaf. The deep violet-purple flowers are about 1 inch long and are borne in racemes shorter than the leaves.

For previous introduction see 113769.

130711. *LESCHENAULTIA BILOBA* Lindl. Goodeniaceae.

An evergreen shrub 2 to 3 feet high, native to Western Australia, with small, slender, scattered leaves  $\frac{1}{2}$  inch long. The flowers are either in small clusters in the upper axils or borne in large leafy terminal clusters. The corolla, about 1 inch long, has spreading dark-blue wings marked with parallel transverse veins, and the sepals are narrow like the leaves.

For previous introduction see 79136.

## 130688 to 130718—Continued

## 130712 to 130714. MELALEUCA spp. Myrtaceae.

## 130712. MELALEUCA HYPERICIFOLIA J. E. Smith.

## Dotted melaleuca.

A tall glabrous shrub with opposite lanceolate leaves 1 to 2 inches long, dotted beneath. The rich-red flowers are borne in dense spikes 2 inches long and nearly as wide. It is native to Australia.

For previous introduction see 106719.

## 130713. MELALEUCA PUBESCENS Schauer.

A tall shrub or small tree with small linear leaves  $\frac{1}{2}$  inch long, crowded on the pubescent branches, and small white flowers, borne in loose cylindrical spikes. Native to Australia.

For previous introduction see 106720.

## 130714. MELALEUCA STYPHELICIDES J. E. Smith.

A tree sometimes 80 feet high, with thick spongy bark. The leaves are very small, and the small creamy-white flowers are in dense spikes about 2 inches long.

For previous introduction see 76940.

## 130715. PROSTANTHERA LASIANTHOS Labill. Menthaceae.

The so-called *Christmas lilac* of Tasmania. An erect evergreen shrub or tree up to 30 feet high, with lanceolate-serrate leaves 3 inches long and terminal compound racemes of white flowers marked with purple.

For previous introduction see 80530.

## 130716. PROSTANTHERA NIVEA A. Cunn.

A beautiful evergreen shrub 6 feet high, with linear terete leaves 1 inch long and snow-white or pale-blue axillary flowers, the upper ones forming leafy racemes. Native to Australia.

For previous introduction see 76943.

## 130717. PULTENAEA DAPHNOIDES Wendl. Fabaceae.

An erect evergreen shrub about 6 feet high, with cuneate-oblong leaves less than 2 inches long and small yellow flowers in large terminal heads. Native to southern Australia.

For previous introduction see 113776.

## 130718. TRISTANIA LAURINA (J. E. Smith) R. Br. Myrtaceae.

A tall evergreen tree with glaucous or silky pubescent branchlets, native to Australia. The lanceolate or obovate leaves are 2 to 4 inches long, and the small yellow flowers are in short axillary cymes.

For previous introduction see 99465.

## 130719. (Undetermined.)

From Indo-China. Seeds presented by M. Poilane, Annam. Received October 24, 1938.

A euphorbiaceous tree said to be of rapid growth, up to 5 to 8 meters high, forming an excellent shade tree for coffee plantations.

## 130720 to 130722.

From the Union of South Africa. Seeds purchased from John Marley, South African Floral Farm, Banhoek, Stellenbosch. Received October 25, 1938.

## 130720. GARDENIA GLOBOSA Hochst. Rubiaceae.

An evergreen shrub or small tree with glossy, lanceolate leaves 2 to 4 inches long and terminal or sub-aggregated, bell-shaped, white flowers with tubes 1 inch long and lobes  $\frac{1}{2}$  inch long. Native to South Africa.

**130720 to 130722—Continued****130721. GARDENIA THUNBERGIA L. f.**

A small, much-branched tree, 8 to 15 feet high, with a smooth grayish-white trunk up to 8 inches in diameter and elliptic, acute leaves 4 to 6 inches long. The terminal, solitary, strongly scented, large white flowers are about 4 inches long, and the oval or oblong woody fruits, 2 to 4 inches long and 2 inches in diameter, remain on the trees for several years. Native to South Africa.

For previous introduction see 34167.

**130722. HAEMANTHUS NATALENSIS Pappe. Amaryllidaceae.**

A haemanthus with 8 or 9 membranous, bright-green leaves more than 1 foot long, the lower ones spotted on the back with red brown. The small flowers, in a very dense globular mass 3 to 4 inches in diameter, surrounded by several large deep-purple bracts, are obscured by the long scarlet filaments and bright-yellow anthers. Native to South Africa.

For previous introduction see 118766.

**130723 to 130732.**

From Mexico. Seeds presented by E. O. Matthews, Parral, Chihuahua. Received October 24, 1938.

**130723 to 130729. AMYGDALUS PERSICA L. Amygdalaceae. Peach.**

**130723.** A yellow seedling from Parral, Chihuahua. Fruit large, 1½ to 2½ inches in diameter; flesh bright yellow, of excellent flavor; skin deep red.

**130724.** A white cling from Aguascalientes, Aguascalientes. Fruit about 2 inches in diameter; flesh yellow, flavor good.

**130725.** A yellow cling from Aguascalientes, Aguascalientes. Fruit about 2 inches in diameter; flesh yellow, flavor good.

**130726.** A lemon-yellow cling seedling from Parral, Chihuahua. Fruit about 2 inches in diameter, round; flesh lemon yellow, flavor good.

**130727.** From Santa Barbara, Chihuahua. Fruit 2½ inches in diameter, elliptical, cling; flesh white of good flavor.

**130728.** A freestone seedling from Torreon, Coahuila. Fruit 2½ inches in diameter, elongate, similar to Elberta; flavor good; skin red.

**130729.** From Imuruís, Sonora. Fruit about 2 inches in diameter, round, yellow, with red cheek, clingstone; flavor good.

**130730 to 130732. CARICA PAPAYA L. Papayaceae. Papaya.**

**130730.** From San Felipe de Hajar ranch, Jalisco, near Ahuacatlan, Nayarit. Fruit of good flavor and large size.

**130731.** From the San Felipe de Hajar ranch, Jalisco, near Ahuacatlan, Nayarit. Fruit smaller than P. I. 130730, but of excellent flavor.

**130732.** From Montzorongo, Veracruz. Fruit very large (over 13.2 pounds); of excellent quality.

**130733. CITRUS AURANTIFOLIA (Christm.) Swingle. Rutaceae. Lime.**

From Surinam. Budwood presented by D. D. Fernandes, Director, Department of Agricultural Economics. Received October 26, 1938.

Budwood of a spineless and seedless lime.

**130734. ANANAS ANANASSOIDES var. NANUS L. B. Smith. Bromeliaceae.**

From Brazil. Offshoots collected in the botanical gardens, Rio de Janeiro, by the Collins-Baker expedition. Received October 26, 1938.

A bromeliad with a rosette of numerous narrow, recurved, serrate leaves and a long, weak, slender scape bearing a small few-flowered and nearly seedless syncarp, with a relatively large coma. The plant is cultivated in Brazil.

**130735. CALOCARPUM SAPOTA (Jacq.) Merr. Sapotaceae. Sapote.**

From the Canal Zone. Seeds presented by the Canal Zone Experiment Garden, Summit. Received October 27, 1938.

For previous introduction see 103411.

**130736. PIGAFETTIA ELATA (Mart.) Wendl. Phoenicaceae. Palm.**

From Sumatra. Seeds presented through Col. R. H. Montgomery, Coconut Grove, Fla. Numbered October 28, 1938.

A tall ornamental palm with a stout trunk, spiny on the upper part and with spreading pinnate foliage resembling that of the coconut palm. Native to the East Indies.

For previous introduction see 98504.

**130737 to 130739. CITRUS AURANTIFOLIA (Christm.) Swingle. Rutaceae.**

From Trinidad, British West Indies. Scions presented by C. C. Skeete, Assistant Commissioner of Agriculture, Trinidad and Tobago, Port-of-Spain. Received October 28, 1938.

130737. *T-145*.

130739. *Kudzi Nebu*.

130738. *Spineless*.

**130740. HORDEUM VULGARE var. COELESTE L. Poaceae.**

**Six-rowed barley.**

From the Orkney Islands. Seeds presented through Collingwood Ingram, Benenden, Kent, England. Received October 31, 1938.

*Bere*. From the island of Hoy. A barley which requires (or at least thrives under) warm, rainy, and rather sunless conditions.

**130741. ZEPHYRANTHES CITRINA Baker. Amaryllidaceae.**

From Nassau, British West Indies. Seeds presented by William A. Geiger, Miami Beach, Fla. Received in 1937. Numbered November 9, 1938.

A zephyranthes with a lemon-chrome (Ridgway) flower about 2 inches across, borne on a stalk 10 or 12 inches high. The plant grows wild in the fields in the vicinity of Fort Fincastle, Nassau. It is very attractive for mass planting, and it seeds freely.

**130742. PTYCHORAPHIS AUGUSTA (Kurz) Beccari. Phoenicaceae.**

**Palm.**

From the Canal Zone. Seeds presented by the Canal Zone Experiment Gardens, Summit. Received October 31, 1938.

A very tall feather palm from 80 to 100 feet high and 1 foot in diameter at the base. The crown of leaves, 8 to 12 feet long, with leaflets 2 to 3 feet long, makes a most graceful object in the landscape. Native to the Nicobar Islands, India.

For previous introduction see 99629.

**130743. BERBERIS sp. Berberidaceae.**

**Barberry.**

From Nepal. Seeds presented by Collingwood Ingram, Benenden, Kent, England. Received November 2, 1938.

**130744. MYRCIARIA CAULIFLORA (Mart.) Berg. Myrtaceae.**

**Jaboticaba.**

From Florida. Plants growing at the United States Plant Introduction Garden, Coconut Grove. Numbered November 5, 1938.

A tree up to 35 feet high, with narrowly elliptic, acuminate leaves, short pedicelled flowers produced directly from the bark of the trunk and branches, and purplish-violet, globose, edible fruits up to nearly 2 inches in diameter. Native to Brazil.

For previous introduction see 114690.

130745 to 130879. *ZEA MAYS* L. Poaceae.

Corn.

From Guatemala. Seeds collected by Raymond Stadelman, in cooperation with Robert E. Smith, Carnegie Institution of Washington, Guatemala City. Received November 7, 1938.

130745. No. 1. *Salpor*. From Santa Cruz Barillas.  
 130746. No. 2. *Salpor*. From San Pedro Soloma.  
 130747. No. 3. *Crespo*. From Santa Ana Huista.  
 130748. No. 4. *Blanco*. From San Ramon.  
 130749. No. 5. *Tejar*. From Jacaltenango.  
 130750. No. 6. *Oshep shawu*. From Jacaltenango.  
 130751. No. 7. *Tejar*. From La Libertad.  
 130752. No. 8. *Blanco*. From Santa Cruz Barrilas.  
 130753. No. 9. *Breve blanco*. From Santa Ana Huista.  
 130754. No. 10. *Breve blanco*. From San Antonio Huista.  
 130755. No. 11. *Te wa*. From San Benito Nenton.  
 130756. No. 12. *Chiapaneco*. From San Andres Cuilco.  
 130757. No. 13. *Saq wal*. From San Martin C.  
 130758. No. 14. *Cuarentano amarillo*. From Santa Ana Huista.  
 130759. No. 15. *Cuarentano*. From San Miguel Acatan.  
 130760. No. 16. *Colima*. From San Andres Cuilco.  
 130761. No. 17. *Saq b: au*. From San Martin C.  
 130762. No. 18. *Saq ñal*. From Jacaltenango.  
 130763. No. 19. *Sax sat*. From San Juan Ixoy.  
 130764. No. 20. *Saq ñal*. From Concepción.  
 130765. No. 21. *Tegua blanco*. From Santa Ana Huista.  
 130766. No. 22. *Blanco de año*. From San Antonio Huista.  
 130767. No. 23. *Costeño*. From San Benito Nenton.  
 130768. No. 24. *Saq ñal*. From San Miguel.  
 130769. No. 25. *Saq wal*. From Santiago Chimaltenango.  
 130770. No. 26. *Costeño blanco*. From La Libertad.  
 130771. No. 27. *Saq sat*. From San Pedro Soloma.  
 130772. No. 28. *Guarentano blanco*. From Santa Ana Huista.  
 130773. No. 29. *Guarentano*. From San Benito Nenton.  
 130774. No. 30. *S-wal*. From Colotenango.  
 130775. No. 31. *Saq t-wits*. From San Juan Atitlan.  
 130776. No. 32. *Saq wal*. From San Juan Atitlan.  
 130777. No. 33. *'Aqal*. From San Pedro Necta.  
 130778. No. 34. *Qoq ish'*. From San Martin C.  
 130779. No. 35. *Aqal blanco*. From La Libertad.  
 130780. No. 36. *Saq sat q'an wa'*. From Concepción.  
 130781. No. 37. *Saq sat*. From San Pedro Soloma.  
 130782. No. 38. *Saq'aqal*. From Santiago Chimaltenango.  
 130783. No. 39. *Saq ñal*. From El Quetzal.  
 130784. No. 40. *Nime'saq sat q'an wa?* From Concepción.  
 130785. No. 41. *Jex ti?* From Jacaltenango.  
 130786. No. 42. *Tegua*. From La Democracia.

## 130745 to 130879—Continued

130787. No. 43. *Tegua criollo*. From Santa Ana Huista.  
 130788. No. 44. *Guarentano amarillo*. From La Libertad.  
 130789. No. 45. *Q'an b'au*. From Jacaltenango.  
 130790. No. 46. *Kokh shiin*. From Colotenango.  
 130791. No. 47. *Tj-kwa*. From Ixtahuacan.  
 130792. No. 48. *Qoqh sin*. From San Pedro Necta.  
 130793. No. 49. *Breve amarillo*. From San Benito Nenton.  
 130794. No. 50. *Kokh shiin*. From Colotenango.  
 130795. No. 51. *Chimbo*. From La Libertad.  
 130796. No. 52. *Koky q'ex wa'*. From Jacaltenango.  
 130797. No. 53. *Nime'kokx ex wa'*. From Concepción.  
 130798. No. 54. *Tegud amarillo*. From Santa Ana Huista.  
 130799. No. 55. *Kek wa'*. From San Sebastian Coatan.  
 130800. No. 56. *Q'an nal*. From Amelco.  
 130801. No. 57. *Papa q'ex wa'*. From Concepción.  
 130802. No. 58. *K'ex wa'*. From San Rafael Independencia.  
 130803. No. 59. *Nime q'ex wa'*. From Jacaltenango.  
 130804. No. 60. *Amarillo de año*. From San Antonio Huista.  
 130805. No. 61. *Us wa'*. From San Mateo Ixtatan.  
 130806. No. 62. *Qoq ishim*. From San Rafael Independencia.  
 130307. No. 63. *Patshon*. From San Pedro Soloma.  
 130808. No. 64. *Patshon*. From San Pedro Soloma.  
 130809. No. 65. *Q'an sat*. From San Miguel Acatan.  
 130810. No. 66. *Q'an mal*. From El Quetzal.  
 130811. No. 67. *Nimax k'an sat*. From San Pedro Soloma.  
 130812. No. 68. *Q'an nal*. From San Rafael Independencia.  
 130813. No. 69. *Nime' famaltin*. From Concepción.  
 130314. No. 70. *Pa shiok*. From Santiago Chimaltenango.  
 130815. No. 71. *Q'an ishi*. From San Martin C.  
 130816. No. 72. *Nimax k'an sat*. From San Pedro Soloma.  
 130817. No. 73. *Q'an sat*. From San Juan Ixcoy.  
 130818. No. 74. *Nishte shamaltin*. From Concepción.  
 130819. No. 75. *Us wa'*. From San Mateo Ixtatan.  
 130820. No. 76. *Ak wa'*. From Colotenango.  
 130821. No. 77. *Q'an sat q'an wa'*. From Concepción.  
 130822. No. 78. *Nishte kokh qex wa'*. From Concepción.  
 130823. No. 79. *Q'an xal*. From San Pedro Necta.  
 130824. No. 80. *Ak wa'*. From Colotenango.  
 130825. No. 81. *Qaqh wa'*. From San Ildefonso Ixtahuacan.  
 130826. No. 82. *Kokh nal*. From San Mateo Ixtatan.  
 130827. No. 83. *Q'an sat*. From San Mateo Ixtatan.  
 130828. No. 84. *Q'an t-wits*. From San Juan Atitlan.  
 130829. No. 85. *Q'an nal*. From Santa Eulalia.  
 130830. No. 86. *Xun kana'*. From San Andres Cuilco.

## 130745 to 130879—Continued

130831. No. 87. *Tsh-kwa'*. From San Andres Culco.
130832. No. 88. *Xun kana'*. From La Democracia.
130833. No. 89. *Kekh wa'*. From San Miguel Acatan.
130834. No. 90. *Q'an sat*. From San Mateo Ixatan.
130835. No. 91. *Nimax qaq wa*. From Santiago Chimaltenango.
130836. No. 92. *S-k'al*. From Colotenango.
130837. No. 93. *Kakh tshin*. From San Rafael Independencia.
130838. No. 94. *Kokh qex wa'*. From Concepción.
130839. No. 95. *Tshaq shin*. From San Sebastian Coatan.
130840. No. 96. *Kakh tshin*. From San Miguel Acatan.
130841. No. 97. *Kjak t-wits*. From San Ildefonso Ixtahuacan.
130842. No. 98. *Kak tshin*. From San Pedro Soloma.
130843. No. 99. *Kjak t-wits*. From San Ildefonso Ixtahuacan.
130844. No. 100. *Kakh tshin*. From San Rafael Independencia.
130845. No. 101. *Kakh tshin*. From San Rafael Independencia.
130846. No. 102. *Quax tshin*. From San Juan Ixcoy.
130847. No. 103. *Kekh tshitam wa'*. From San Miguel Acatan.
130848. No. 104. *Qex tshitam wa'*. From Jacaltenango.
130849. No. 105. *-Negro de año*. From San Antonio Huista.
130850. No. 106. *Q'ex sat nal*. From Concepción.
130851. No. 107. *'Aqal negro*. From La Libertad.
130852. No. 108. *K'ex sat*. From San Rafael independencia.
130853. No. 109. *Negro*. From San Juan Ixcoy.
130854. No. 110. *Shqaq wo'l*. From San Juan Atitlan.
130855. No. 111. *Pinto*. From San Antonio Huista.
130856. No. 112. *Q'ex ishi'*. From San Martin C.
130857. No. 113. *S-k' al*. From Colotenango.
130858. No. 114. *Tsib nal*. From San Miguel Acatan.
130859. No. 115. *Kokh shi'n*. From Colotenango.
130860. No. 116. *Tshin il*. From San Sebastian Coatan.
130861. No. 117. *Saq wal*. From Ixtahuacan.
130862. No. 118. *Nime'sh q'ex wa'*. From Concepción.
130863. No. 119. *K'i tshitam*. From San Sebastian Coatan.
130864. No. 120. *Ts'ib sat saq nal*. From Jacaltenango.
130865. No. 121. *Ts'ib sat saq nal*. From Concepción.
130866. No. 122. *Shwo'l*. From Ixtahuacan.
130867. No. 123. *Nimex ts'ib sat nal*. From San Rafael Independencia.
130868. No. 124. *'Aqal*. From San Ildefonso Ixtahuacan.
130869. No. 125. *Shamaltin* (San Martin). From Jacaltenango.
130870. No. 126. *Ts'ib sat*. From Santa Eulalia.
130871. No. 127. *Q'an nal*. From Santa Eulalia.
130872. No. 128. *Ts'ib sat*. From San Juan Ixcoy.
130873. No. 129. *Ts'ib sat nal*. From San Rafael Independencia.
130874. No. 130. *Qaqy wa'*. From San Ildefonso Ixtahuacan.

## 130745 to 130879—Continued

130875. No. 131. *Ts'ib sat.* From Santa Eulalia.  
 130876. No. 132. *Ts'ib sat.* From San Sebastian Coatan.  
 130877. No. 133. *Ts'ib nal.* From El Quetzal.  
 130878. No. 134. *Ts'ib sat* (pinto). From San Pedro Soloma.  
 130879. No. 135. *Ts'ib nal.* From Mateo Ixtatan.

## 130880 and 130881. TRITICUM AESTIVUM L. Poaceae.

Common wheat.

From England. Seeds purchased from Gartons Limited, Warrington. Received November 7, 1938.

130880. *Warden.*  
 130881. *Wilma.*

## 130882. CHRYSALIDOCARPUS LUCUBENSIS Beccari. Phoenicaceae.

Palm.

From Puerto Rico. Seeds presented by Claud L. Horn, Agricultural Experiment Station, Mayaguez. Received November 3, 1938.

A rather tall palm with elongated pinnate leaves composed of rigid swordlike segments up to 3 feet in length. The obovate fruits are about  $\frac{1}{2}$  inch long. Native to Madagascar.

For previous introduction see 70748.

## 130883. PRUNUS ARMENIACA L. Amygdalaceae.

Apricot.

From Canada. Scions presented by W. R. Leslie, Superintendent, Dominion Experimental Farm, Morden, Manitoba. Received November 9, 1938.

*Scout.*

## 130884 to 130887. SACCHARUM. Poaceae.

Sugarcane.

From Colombia. Seeds presented by Ingenio Manullita, Palmira. Received October 21, 1938, and numbered November 10, 1938.

130884. 2725 POJ  $\times$  *Amu Darya 59.*  
 130885. *Caña Blanca*  $\times$  *Amu Darya 59.*  
 130886. 2725 POJ  $\times$  *S. spontaneum.*  
 130887. *Caña Blanca*  $\times$  *S. officinale.*

## 130888. AVENA SATIVA L. Poaceae.

Oats.

From Canada. Seeds presented by P. J. Bowe, West Calgary, Alberta. Received November 7, 1938.

[Received without notes.]

## 130889 to 130893.

From Australia. Seeds presented by W. G. Wells, Department of Agriculture and Stock, Brisbane, Queensland. Received November 7, 1938.

A collection of locally grown grass types.

130889. ASTREBLA ELYMOIDES Bailey and Muell. Poaceae.

Grass.

*Weeping Mitchell grass.*

For previous introduction see 107191.

130890. ASTREBLA LAPPACEA (Lindl.) Domin.

Hook Mitchell grass.

*Curly Mitchell grass.*

For previous introduction see 111876.



## 130889 to 130893—Continued

130891 and 130892. *BROMUS CATHARTICUS* Vahl. Poaceae. Grass.

An annual or biennial grass up to 2 feet high, which forms a large stool and spreads rapidly from the root divisions. It is native to South America and is a good forage grass.

For previous introduction see 128192.

130893. *PHALARIS TUBEROSA* L. Poaceae. Grass.

For previous introduction see 119670.

## 130894 to 130924.

From England. Plants purchased from Thomas Rivers & Son, Ltd., Sawbridge-worth, Hertfordshire. Received November 18, 1938.

130894 to 130901. *AMYGDALUS PERSICA* L. Amygdalaceae. Peach.

130894. *Alexandra Noblesse.* 130898. *Kestrel.*

130895. *Crimson Galande.* 130899. *Magdala.*

130896. *Duke of York.* 130900. *Prince of Wales.*

130897. *Golden Eagle.* 130901. *Sea Eagle.*

130902 to 130907. *AMYGDALUS PERSICA* VAR. *NECTARINA* Ait. Amygdalaceae. Nectarine.

130902. *Dryden.* 130905. *Spenser.*

130903. *Humboldt.* 130906. *Stanwick Elruge.*

130904. *Newton.* 130907. *Victoria.*

130908 and 130909. *MALUS SYLVESTRIS* Mill. Malaceae. Apple.

130908. *Rivers Early Peach.*

130909. *Thomas Rivers.*

130910 to 130912. *PRUNUS AVIUM* L. Amygdalaceae. Sweet cherry.

130910. *Peggy Rivers.*

130911. *Turkey Black Heart.*

130912. *Ursula Rivers.*

130913. *PRUNUS DOMESTICA* L. Amygdalaceae. Common plum.

*Blue Rock.*

130914 and 130915. *PRUNUS INSITITIA* L. Plum.

130914. *Bradley's King Damson.*

130915. *New Large Bullace.*

130916 to 130918. *PRUNUS DOMESTICA* L. Common plum.

130916. *Pershore.*

130917. *President.*

130918. *Purple Pershore.*

130919. *PRUNUS INSITITIA* L. Plum.

*Rivers' Early Damson.*

130920. *PRUNUS DOMESTICA* L. Common plum.

*Wyedale.*

130921 to 130924. *PYRUS COMMUNIS* L. Malaceae. Common pear.

130921. *Charles Ernest.* 130923. *Michaelmas.*

130922. *Fondante de Thirriot.* 130924. *Thompson's.*

**130925. MAGNOLIA KOBUS DC. Magnoliaceae. Kobus magnolia.**

From France. Seeds presented by A. Gerard, La Fosse, Montoire sur Loir, Loir-et-cher. Received November 14, 1938.

A deciduous tree up to 30 feet high in Japan, but usually shrubby in cultivation elsewhere. The white flowers, about 4 inches across, appear before the leaves, which are broadly obovate, light green, and 4 to 5 inches long.

For previous introduction see 95310.

**130926. SUAEDA FRUTICOSA (L.) Forsk. Chenopodiaceae.**

From England. Seeds presented by Mr. Bryce, East Anglian Institute of Agriculture, Chelmsford. Received November 16, 1938.

*Shrubby suaeda; seablite.* An erect, much-branched shrub up to 3 feet high, of heathlike habit. Growing in saline or sandy soil. Native to north temperate regions of both hemispheres.

**130927. SACCHARUM. Poaceae. Sugarcane.**

From Mauritius. Cuttings presented by the Director of Agriculture, Royal Botanic Garden. Received November 18, 1938.

M. 171/30.

**130928. ERYTHRINA GRISEBACHII Urban. Fabaceae.**

From Cuba. Seeds presented by F. G. Walsingham, Atkins Institution of the Arnold Arboretum, Soledad, Cienfuegos. Received November 15, 1938.

*Piñon Botijo or Piñon Real.* A large tree with trifoliolate leaves; these are roundish, about 4 inches long, and membranous. The scarlet flowers, about 2 inches long, are produced in short racemes. Native to Cuba.

For previous introduction see 104125.

**130929 to 130933. TRITICUM AESTIVUM L. Poaceae. Common wheat.**

From Australia. Seeds presented by R. H. Carr, Department of Agriculture, Sydney, New South Wales. Received November 21, 1938.

130929. *Baringa.*

130932. *Koala.*

130930. *Ford.*

130933. *Nabawa.*

130931. *Ideal.*

**130934 to 130937. AMYGDALUS PERSICA L. Amygdalaceae. Peach.**

From New Jersey. Trees presented by Prof. M. A. Blake, Agricultural Experiment Station, New Brunswick. Received November 21, 1938.

130934. *Afterglow.*

130936. *Golden Globe.*

130935. *Golden East.*

130937. *Summercrest.*

**130938 and 130939. ANANAS spp. Bromeliaceae.**

From Brazil. Offshoots presented by J. L. Collins, Experiment Station of the Pineapple Cooperative Association, Ltd., University of Hawaii, Honolulu, Hawaii. Received November 21, 1938.

130938. *ANANAS COMOSUS (L.) Merr.*

**Pineapple.**

No. 8. *Abacaxi Vermelho.* Collected October 9, 1938, between Sorocaba and Itapetininga, south of São Paulo. Grown commercially in the neighborhood of São Paulo.

130939. *ANANAS ANANASSOIDES (Baker) L. B. Smith.*

No. 6. Collected October 6, 1938, between Sorocaba and Itapetininga, south of São Paulo. A plant native to Brazil, very much like the pineapple, with rigid linear leaves over 3 feet long and less than 1 inch broad above the dilated base. The flower head is borne on a stem 1 to 2 feet high, but the individual flowers are surrounded by separate bracts instead of being united as in the pineapple.

For previous introduction see 102742.

**130940 to 130942. TRIFOLIUM ALEXANDRINUM L. Fabaceae. Berseem.**

From Czechoslovakia. Seeds presented by the Seed Testing Station, Institute of Agricultural Research, Erno. Received November 18, 1938.

130940. *Fahl.*

130942. *Miskawi.*

130941. *Khadrani.*

**130943. CRATYLIA MOLLIS Mart. Fabaceae.**

From Brazil. Seeds presented by the Instituto de Biologia Animal, Deodoro, Distrito Federal, through the Ministerio de Agricultura. Received November 18, 1938.

A scandent shrub 6 feet or higher, with pubescent, ternate leaves, ovate, acuminate leaflets about 2 inches long, and racemes of rather large, rose-colored flowers. Native to Brazil.

**130944. SOLANUM ROSTRATUM Dun. Solanaceae.**

From the Netherlands. Seeds presented by the Director, Botanic Garden, Amsterdam. Received November 18, 1938.

For previous introduction see 115537.

**130945 and 130946.**

From Costa Rica. Seeds presented by the Goodyear Rubber Plantations Co., Gatun, Canal Zone, at the request of W. E. Klippert, San José. Received November 19, 1938.

130945. *PHASEOLUS* sp. Fabaceae.

A yellow-flowered species, native to Panama.

130946. *PUERARIA PHASEOLOIDES* (Roxb.) Benth. Fabaceae.

A twining, semishrubby plant densely covered with brown hairs. The leaflets are green above and densely matted beneath with gray hairs, and the reddish flowers are in long-stemmed racemes. Native to tropical regions of the Himalayas.

For previous introduction see 102775.

**130947. LACTUCA PLUMIERI (L.) Gren. and Godr. Cichoriaceae.**

**Lettuce.**

From the Netherlands. Seeds presented by the Director, Botanic Garden, Amsterdam. Received November 19, 1938.

A perennial lettuce with stout stems about 6 feet high and purple flower heads in terminal cymes. Native to Europe.

For previous introduction see 115527.

**130948 and 130949. LACTUCA spp. Cichoriaceae.**

From Scotland. Seeds presented by the Director, Royal Botanic Garden, Edinburgh. Received November 19, 1938.

130948. *LACTUCA BOURGAEI* (Boiss.) Irish and Taylor.

A thick-stemmed, bristly leaved herbaceous perennial often 6 feet high, with small lilac-colored flower heads. Native to the Mediterranean region.

For previous introduction see 114645.

130949. *LACTUCA BRACTEATA* Hook. f. and Thoms.

A tall perennial lettuce with loose panicles of large blue flower heads. Native to the Sikkim Himalaya at altitudes of 8,000 to 10,000 feet.

For previous introduction see 114646.

**130950. LACTUCA PERENNIS L. Cichoriaceae.**

**Lettuce.**

From England. Seeds presented by the Director, Royal Botanic Gardens, Kew. Received November 12, 1938.

A perennial lettuce about 2 feet high, with pale-blue flower heads. Native to Europe.

For previous introduction see 114534.

**130951. LACTUCA SERRIOLA L. Cichoriaceae.**

From Sweden. Seeds presented by the Director, Botanic Garden, Göteborg. Received November 21, 1938.

**130952 to 130957. ZEA MAYS L. Poaceae. Corn.**

From Bolivia. Seeds presented by J. W. Webster, La Paz, at the request of Dr. H. L. Blood, Agricultural Experiment Station, Logan, Utah, cooperating with the Division of Fruit and Vegetable Crops and Diseases, Bureau of Plant Industry, United States Department of Agriculture. Received November 23, 1938.

130952. *Amarillo*. From the lower La Paz region at 8,000 feet altitude (1938 crop).

130953. *Amarillo*. From the Sucre region at 7,000 feet altitude (1937 crop).

130954 and 130955. From the lower La Paz region at 8,000 feet altitude (1938 crop).

130954. *Blanco*.

130955. *Chuspillo*.

130956. *Gros*. From the lower La Paz region at 8,000 feet altitude (1938 crop).

130957. *Pacheco*. From the Sucre region at 7,000 feet altitude (1937 crop).

**130958. CRATAEGUS DUROBRIVENSIS Sarg. Malaceae.**

From California. Plants growing at the United States Plant Introduction Garden, Chico. Numbered November 23, 1938.

Growing under Chico P. I. G. 14253. Originally received as seeds from the Royal Botanic Garden, Kew, England. A shrub up to 18 feet high, with ovate leaves and many large showy flowers in compact corymbs. Native to the northern United States.

**130959. BIGNONIA RADICANS × CHINENSIS. Bignoniaceae.**

From Florida. Seeds presented by Hubert Buckley, Ruskin. Received November 27, 1937. Numbered in November 1938.

A woody vine, intermediate in character between its two well-known parents, the variety *Aurea* of the native trumpet creeper and the Chinese trumpet creeper. It may be trained as a bush or may be used as a low climber. The orange to scarlet flowers are borne profusely in early summer, even after winter-killing of the tops.

**130960 to 130962. ORYZA SATIVA L. Rice.**

From Peru. Seeds presented by Alberto Martin Lynch, Chief, Lambayeque Experiment Station, Lambayeque. Received November 17, 1938.

130960. *Benllok*.

130962. *Rubio*.

130961. *EAS 3*.

**130963 and 130964.**

From California. Seeds purchased from Howard S. Gates, Anaheim. Received November 22, 1938.

130963. *ECHINOCACTUS ACANTHODES* Lem. Cactaceae.

A very spiny cactus, globular, becoming cylindrical, sometimes 8 feet high, with many acute ribs about ½ inch high; white to bright-red, weak radial spines and awllike central spines. The campanulate yellow to orange flowers are 1½ to 2½ inches long. Native to southern California.

130964. *FEROCACTUS JOHNSTONIANUS* Britton and Rose. Cactaceae.

A simple, short-cylindrical cactus up to 2 feet high, with many spines in a cluster and red-tinged, yellowish flowers about 2 inches long. Native to Baja California.

**130965 to 130976.**

From France. Plants purchased from Pépinières A. Veauvy, Chantegrillet, Crest. Received November 29, 1948.

- 130965 to 130971. *AMYGDALUS PERSICA* L. Amygdalaceae. Peach.  
 130965. *Aribaud*. 130969. *Hative du Flachat*.  
 130966. *Belle de Sanzy*. 130970. *Opoix*.  
 130967. *Combet No. 2*. 130971. *Susanne-Darnon*.  
 130968. *Guilloux No. 41*.

130972 and 130973. *MALUS SYLVESTRIS* Mill. Malaceae.

130972. *Courbis (ou Barbe)*.  
 130973. *Vaurias*.

130974 and 130975. *PRUNUS ARMENIACA* L. Amygdalaceae. Apricot.

130974. *Poizat*.  
 130975. *Precoce de Bruel*.

130976. *PRUNUS AVIUM* L. Sweet cherry.

*Hative de Bale*.

130977. *LACTUCA SERRIOLA* L. Cichoriaceae.

From England. Seeds presented by Humphrey Gilbert-Carter, Director, University Botanic Garden, Cambridge. Received November 26, 1938.

130978. *NICOTIANA TABACUM* L. Solanaceae. Tobacco.

From Guatemala. Seeds presented by Raymond Stadelman, Todos Santos Cuchumatán, Department of Huehuetenango. Received November 30, 1938.

130979. *LOLIUM REMOTUM* Schrank. Poaceae.

From Rumania. Seeds presented by the Director, Botanic Garden, Cluj. Received November 28, 1938.

An annual grass, native to Europe, with stems over 2 feet high.

For previous introduction see 111298.

**130980 to 130991.**

From Germany. Plants purchased from the Baumschule Wildsdruff, Wildsdruff. Received December 3, 1938.

130980. *AMYGDALUS PERSICA* L. Amygdalaceae. Peach.  
*Proskauer*.

130981. *MALUS SYLVESTRIS* Mill. Malaceae. Apple.  
*Hagedorn*.

130982. *PRUNUS ARMENIACA* L. Amygdalaceae. Apricot.  
*Luizet*.

130983 to 130987. *PRUNUS AVIUM* L. Sweet cherry.

130983. *Frazens Wilde*. 130986. *Schwarze Herz*.

130984. *Lucienskirische*. 130987. *Schwarzwilde*.

130985. *Marienhöhe*.

130988 and 130989. *PRUNUS DOMESTICA* L. Common plum.

130988. *Rote Eierpflaume*.

130989. *Victoria*.

130990 and 130991. *PYRUS COMMUNIS* L. Malaceae. Common pear.

130990. *Madame Verté*.

130991. *Petersbirne*.

**130992 and 130993.**

From Mexico. Seeds collected by Mrs. Ynes Mexia, Bureau of Plant Industry, United States Department of Agriculture, and presented by Mrs. Floy Brace-  
lin, University of California, Berkeley, Calif. Received December 12, 1938.

130992. *CHELONANTHUS ACUTANGULUS* (Ruiz and Pav.) Gilg. Gentianaceae.

No. 9144. Oaxaca, Mexico, March 1938. A herbaceous perennial with erect, branching stems up to 6 feet high, distant leaves, the lower ones cordate, the upper ovate, and terminal panicles of numerous subringent yellow flowers. Native to the Peruvian Andes.

130993. *CISSAMPELOS TROPAEOLIFOLIA* DC. Menispermaceae.

No. 9199. Collected March 23, 1938, on the Yaveo Trail, Rio Yaveo to Arroyo San Pedro, Distrito de Choapam, State of Oaxaca, at about 1,400 feet altitude. A woody vine with membranous, ovate-orbicular, peltate leaves, 2 to 3 inches long, and axillary racemes of small white flowers followed by scarlet fruits. Native to South America.

**130994 to 130999. MELILOTUS spp. Fabaceae. Sweetclover.**

From Denmark. Seeds presented by the Director, Botanic Garden, Copenhagen. Received December 2, 1938.

130994. *MELILOTUS DENTATA* (Waldst. and Kit.) Pers.

130997. *MELILOTUS SPECIOSA* Durieu.

130995. *MELILOTUS INDICA* (L.) All.

130998. *MELILOTUS SULCATA* Desf.

130996. *MELILOTUS ITALICA* (L.) Lam.

130999. *MELILOTUS WOLGICA* Poir.

**131000 to 131028.**

From Germany. Plants and roots purchased from J. Timm & Co., Baumschulen, Elmshorn. Received December 7, 1938.

Unless otherwise mentioned, the material was received as plants.

131000 to 131014. *MALUS SYLVESTRIS* Mill. Malaceae.

Apple.

131000. *Burchardts Renette.*

131008. *Pommerscher Schneepfel.*

131001. *Claudius Herbstapfel.*

131009. *Prinzenapfel.*

131002. *Dithmarscher Paradies.*

131010. *Seestermuher Zitronenapfel.*

131003. *Fesefeld.*

131011. *Schöner aus Itzstedt.*

131004. *Finkenwälder Herbstprinz.*

131012. *Stahls Winterprinz.*

131005. *Langsüsser.*

131013. *Stina Lohmann.*

131006. *Maren Nissen.*

131014. *Wilstedter Apfel.*

131007. *Minister von Hammerstein.*

131015 to 131018. *PRUNUS AVIUM* L. Amygdalaceae.

Sweet cherry.

131015. *Altendländer Blanke.*

131017. *Frühe Schwarze Altendländer.*

131016. *Altendländer Spätkirsche.*

131018. *Minners Spitze.*

131019 to 131022. *PRUNUS DOMESTICA* L.

Common plum.

131019. *Anna Späth.*

131022. *Säure Altendländer Frühzwetsche.*

131020. *Borssuner Zwetsche.*

131021. *Emma Leppermann.*

131023 and 131024. *PYRUS COMMUNIS* L. Malaceae.

Common pear.

131023. *Herrenhauser Winterchristbirne.*

131024. *Kampervenus.*

131025 to 131028. *RHEUM RHAPONTICUM* L. Polygonaceae.

Common rhubarb.

Received as roots.

131027. *Holsteiner Blut.*

131025. *Elmsfeuer.*

131028. *Loher Blut.*

131026. *Elmsjubiläum.*

**131029 to 131031.**

From New Jersey. Plants presented by Prof. M. A. Blake, Agricultural Experiment Station, New Brunswick. Received December 9, 1938.

131029 and 131030. *AMYGDALUS PERSICA* L. Amygdalaceae. Peach.

131029. *Newday*.

131030. *Sunhigh*.

131031. *AMYGDALUS PERSICA* var. *NECTARINA* Ait. Nectarine.

*Garden State*.

131032. *CHAMAEDOREA* sp. Phoenicaceae. Palm.

From Costa Rica. Plants collected at San José by Loren G. Polhamus, Bureau of Plant Industry, United States Department of Agriculture. Received December 12, 1938.

*Pacaya*.

131033. *GOSSYPIUM*. Malvaceae. Cotton.

From Cuba. Seeds presented by Thomas R. Towns, Holguin. Received August 8, 1938. Numbered in December 1938.

**131034 to 131045.**

From Poland. Plants purchased from Szkoła Ogrodnicza Wielkopolskiej izby Rolniczej, W. Kozminie (Wlkp). Received December 14, 1938.

131034. *AMYGDALUS PERSICA* L. Amygdalaceae. Peach.

*Späthe de Hallen*.

131035 to 131039. *MALUS SYLVESTRIS* Mill. Malaceae. Apple.

131035. *Flintynskie*.

131038. *Szczecinskie Zolte*.

131036. *Ohm Paul*.

131039. *Winnik Francuski*.

131037. *Reneta Muskatowa*.

131040 to 131043. *PRUNUS* spp. Amygdalaceae.

131040. *PRUNUS ARMENIACA* L.

Apricot.

*Meksykanka*.

131041 and 131042. *PRUNUS AVIUM* L.

Sweet cherry.

131041. *Olbryznka Natolinska*.

131042. *Rozowa Wezesna*.

131043. *PRUNUS CERASUS* L.

Sour cherry.

*Wczesna z Prinn*.

131044 and 131045. *PYRUS COMMUNIS* L. Malaceae.

Common pear.

131044. *Pomaranzczowka*.

131045. *Jakobowka Hanowerska*.

**131046 and 131047.**

From China. Seeds presented by B. C. Patterson, Tenghsien, Shantung. Received December 7, 1938.

131046. *CAPSICUM FRUTESCENS* L. Solanaceae.

Common redpepper.

An ornamental pepper.

131047. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae.

Tomato.

A yellow tomato, said to be wiltproof.

131048. *ANNONA RETICULATA* L. Annonaceae.

Custard-apple.

From Florida. Plants growing at the United States Plant Introduction Garden, Coconut Grove, under the P. I. G. No. 9775. Numbered December 15, 1938.

## 131049 to 131067.

From Manchuria. Seeds collected and presented by B. V. Skvortzov, Harbin.  
Received December 6, 1938.

131049 to 131051. *ADENOPHORA* spp. Campanulaceae.

131049. *ADENOPHORA CORONOPIFOLIA* (Roem. and Schult.) Fisch.

A perennial herb 1 to 2 feet high with petiolate, cordate radical leaves, sessile, linear-lanceolate cauline leaves and racemes of 3 to 10 large blue flowers. Native to eastern Asia.

131050. *ADENOPHORA VERTICILLATA* var. *ANGUSTIFOLIA* Korsch.

This differs from *Adenophora coronopifolia* in its smaller flowers which are paler and disposed in more open, candelabralike inflorescences. It also differs in the narrower leaves. It is an attractive plant, well worth while in the herbaceous border. The blooming season is July and August. Native to eastern Asia.

131051. *ADENOPHORA VERTICILLATA* var. *PRINCEPS* Korsch.

131052. *AGASTACHE RUBOSA* (Fisch. and Mey.) Kuntze. Menthaceae.

Wrinkled giant-hyssop.

A summer-flowering perennial herb, 2 to 4 feet high, with cordate, serrate, rugose, scented leaves and attractive lavender flowers in reddish calyces, crowded into dense oblong spikes. Native to China.

For previous introduction see 101400.

131053. *POLYGONUM ORIENTALE* L. Polygonaceae.

Princesplume.

For previous introduction see 65640.

131054. *ANGELICA DAHURICA* (Fisch.) Benth. and Hook. f. Apiaceae.

A herbaceous perennial with compound umbels of small white flowers. Native to eastern Asia.

131055. *AQUILEGIA OXYSEPALA* Trautv. and Mey. Ranunculaceae.

Early columbine.

A very early flowering herbaceous perennial, 2 to 3 feet high, with large blue, yellow, and white flowers. The spurs are short and bent forward.

For previous introduction see 103212.

131056. *ASTER AGERATOIDES* Turcz. Asteraceae.

An aster with ovate leaves and few blue-flowered corymbs. Allied to *Aster trinervius*. Native to northern China.

131057. *BOLTONIA LAUTUREANA* Debeaux (*Aster lautureanus* (Debeaux) Franch.). Asteraceae.

A herbaceous perennial with erect, branching stems about 2 feet high, leathery, ovate-lanceolate or linear-lanceolate leaves and small solitary, terminal flower heads. Native to northeastern China.

131058. *HYPOCHAERIS GRANDIFLORA* Ledeb. Cichoriaceae.

131059. *LILIUM CALLOSUM* Sieb. and Zucc. Liliaceae.

A martagon lily with slender stems 1 to 2½ feet high, scattered strap-shaped or linear leaves, usually 1 to 3 inches long, and dull-red to orange-red solitary nodding flowers in racemes of 2 to 9. Native to eastern Asia from Manchuria to Taiwan.

131060. *LYCHNIS FULGENS* Fisch. Silenaceae.

Campion.

*San dio lau yang*. A herbaceous perennial of a dwarf habit, bearing brilliant scarlet flowers. Grown as an ornamental pot plant by the Chinese.

For previous introduction see 23011.

131061. *PHILADELPHUS SCHRENKII* Rupr. Hydrangeaceae.

Schrenk mockorange.

131062. *RHEUM UNDULATUM* L. Polygonaceae.

Rhubarb.

For previous introduction see 115426.



## 131049 to 131067—Continued

131063. RUMEX sp. Polygonaceae.

131064 to 131066. VERONICA spp. Scrophulariaceae.

131064. VERONICA KOMAROVII Monjuschko.

A perennial with stems up to 3 feet high, lanceolate or broad lanceolate leaves  $2\frac{1}{2}$  to 5 inches long, and a dense spikelike raceme of numerous small blue flowers. Allied to *Veronica longifolia*. Native to the Amur region, Manchuria and Chosen.

131065. VERONICA SIBIRICA L.

A perennial veronica, related to *Veronica virginica*, with sessile or nearly sessile blue or white flowers in terminal racemes. Native to the northern hemisphere.

131066. VERONICA TUBIFLORA Fisch. and Mey.

A herbaceous perennial about 2 feet high, with scattered linear leaves and dense terminal racemes of blue flowers. Native to eastern Asia.

131067. VITIS AMURENSIS Rupr. Vitaceae.

Amur grape.

A wild grape.

For previous introduction see 113698.

131068. CEIBA AESCULIFOLIA (H. B. K.) Britten and Baker. Bombacaceae.

From Cuba. Seeds presented by Sr. Alberto J. Fors, Director of the Forestry Department, Department of Agriculture, Havana, through F. G. Walsingham, Atkins Institution of the Arnold Arboretum, Soledad, Cienfuegos. Received December 12, 1938.

A medium-sized diffusely branched tree 20 to 30 feet high, with the trunk and larger branches bearing stout coarse spines. The leaves are palmately compound with 5 to 7 elliptic or obovate leaflets 2 to 8 inches long, usually glaucescent beneath. The flowers, which are white at first and turn brown with age, appear in May, and the fruits ripen in October. The down may serve the same purpose as kapok for mattresses, cushions, life preservers, and insulation. The tree is native from Veracruz across southern Mexico and southward to Guatemala.

For previous introduction see 90782.

## 131069 to 131097.

From England. Plants and roots purchased from Clibrans Ltd., Altringham. Received December 19, 1938.

Unless otherwise mentioned the material was received as plants.

131069 to 131071. AMYGDALUS PERSICA L. Amygdalaceae.

Peach.

131069. *James Walker*.131070. *Stirling Castle*.131071. *Thomas Rivers*.

131072 to 131075. AMYGDALUS PERSICA VAR. NECTARINA Ait.

Nectarine.

131072. *Elruge*.131074. *Prince of Wales*.131073. *Hardwicke*.131075. *Violette Hative*.

131076 to 131083. MALUS SYLVESTRIS Mill. Malaceae.

Apple.

131076. *Arthur W. Barnes*.131080. *Norfolk Beauty*.131077. *Howgate Wonder*.131081. *Renown*.131078. *King George V*.131082. *S. T. Wright*.131079. *Millicent A. Barnes*.131083. *Winter King*.

131084 and 131085. PRUNUS ARMENIACA L. Amygdalaceae.

Apricot.

131084. *Early Moorpark*.131085. *Turkey*.

## 131069 to 131097—Continued

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| 131086 to 131091. PRUNUS DOMESTICA L.         | Common plum.                           |
| 131086. <i>Cox's Emperor</i> .                | 131089. <i>River's Late Prolific</i> . |
| 131087. <i>Early Transparent Gage</i> .       | 131090. <i>The Czar</i> .              |
| 131088. <i>Golden Transparent Gage</i> .      | 131091. <i>Wierton Gage</i> .          |
| 131092 to 131096. PYRUS COMMUNIS L. Malaceae. | Common pear.                           |
| 131092. <i>Beurré Fouquieray</i> .            | 131095. <i>Marie Louise d'Uccle</i> .  |
| 131093. <i>Comte de Lamy</i> .                | 131096. <i>Sir Harry Veitch</i> .      |
| 131094. <i>Hazel pear</i> .                   |  |
| 131097. RHEUM RHAPONTICUM L. Polygonaceae.    | Common rhubarb.                        |
| <i>Appleton's Red</i> . Roots received.       |  |

## 131098 to 131136.

From France. Plants purchased from Baltet Frères, Troyes. Received December 22, 1938.

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| 131098 to 131119. MALUS SYLVESTRIS Mill. Malaceae. | Apple.                                       |
| 131098. <i>Amer-doux</i> .                         | 131109. <i>La Nationale</i> .                |
| 131099. <i>Azeroly anisé</i> .                     | 131110. <i>Maman Lily</i> .                  |
| 131100. <i>Canada Gris d'Auvergne</i> .            | 131111. <i>Pigeon de Jerusalem</i> .         |
| 131101. <i>Candile Sinape</i> .                    | 131112. <i>Rambour de Winnitza</i> .         |
| 131102. <i>Cravert</i> .                           | 131113. <i>Reine des Pommes</i> .            |
| 131103. <i>De Vendue-Levêque</i> .                 | 131114. <i>Rambour d'Hiver</i> .             |
| 131104. <i>Double Bon Pommier</i> .                | 131115. <i>Reinette Descadre</i> .           |
| 131105. <i>Gros Frequin</i> .                      | 131116. <i>Reinette du Canada</i> .          |
| 131106. <i>Gros Muscadet</i> .                     | 131117. <i>Reinette La Clermontoise</i> .    |
| 131107. <i>Guelton</i> .                           | 131118. <i>Reinette Grise de Saintonge</i> . |
| 131108. <i>Jean Huré</i> .                         | 131119. <i>Rouge Bruyère</i> .               |
| 131120. PRUNUS AVIUM L. Amygdalaceae.              | Sweet cherry.                                |
| <i>Guigne Garcine</i> .                            |  |
| 131121 to 131136. PYRUS COMMUNIS L. Malaceae.      | Common pear.                                 |
| 131121. <i>Amélie Baltet</i> .                     | 131129. <i>Francois Treyve</i> .             |
| 131122. <i>Calouet</i> .                           | 131130. <i>Foukouda</i> .                    |
| 131123. <i>Charles Escaig</i> .                    | 131131. <i>Madame Baltet</i> .               |
| 131124. <i>De la Forestresie</i> .                 | 131132. <i>Madame Du Puis</i> .              |
| 131125. <i>Delaville Ainé</i> .                    | 131133. <i>Madame Hutin</i> .                |
| 131126. <i>Deyenne Martin Clavier</i> .            | 131134. <i>Marie Benoist</i> .               |
| 131127. <i>Duchesse d'Angoulême Bronzée</i> .      | 131135. <i>President Loutreul</i> .          |
| 131128. <i>Eleonore Liefmans</i> .                 | 131136. <i>Saint Gilles</i> .                |

131137 to 131142. IPOMOEA BATATAS (L.) Lam. Convolvulaceae.  
Sweetpotato.

From Africa. Tubers presented by the Director of Agriculture, Morogoro, Tanganyika Territory. Received December 22, 1938.

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| 131137. <i>Bangi I</i> . A white-skinned variety of very good flavor; a good yielder. |
| 131138. <i>Bwalabwala</i> . A slightly yellow-fleshed variety; a fair yielder.        |

## 131137 to 131142—Continued

131139. *Calabash Leaf*. A buff-skinned variety; a heavy yielder of both roots and top.

131140. *Kazège*.

131141. *Kilanzilanzi*. A white-skinned variety; a fair yielder.

131142. *Kwata*.

## 131143 to 131173.

From Germany. Plants purchased from Herm. A Hesse, Weener, Ostfriesland Province, Hannover. Received December 23, 1938.

131143 to 131154. *MALUS SYLVESTRIS* Mill. Malaceae. Apple.

131143. *Boikenapfel*.

131149. *Ostfriesischer Kalwill*.

131144. *Fromm's Goldrenette*.

131150. *Pfirsichroter Sommerapfel*.

131145. *Groninger Krone*.

131151. *Rühm aus Winschoten*.

131146. *Moringer Rosenapfel*.

131152. *Schieblers Taubenapfel*.

131147. *Odenwälder*.

131153. *Süsse Winterkrone*.

131148. *Osnabrucker Renette*.

131154. *Weisser Astrachan*.

131155 to 131168. *PRUNUS* spp. Amygdalaceae.

131155. *PRUNUS ARMENIACA* L.

Apricot.

*Loof's Riesen*.

131156 to 131163. *PRUNUS AVIUM* L.

Sweet cherry.

131156. *Badacsoner Riesenkirsche*.

131157. *Farnstädter Schwarze Knorpelkirsche*.

131158. *Gottorper Riesenkirsche*.

131159. *Holländische Maikirsche*.

131160. *Kronprinz von Hannover*.

131161. *Lamberts Beste*.

131162. *Neu Königliche*.

131163. *Zeisberger Riesenkirsche*.

131164 to 131166. *PRUNUS DOMESTICA* L.

Common plum.

131164. *Angelina Burdett*.

131165. *Boddaerts Rencklede*.

131166. *Esperens Goldflaume*.

131167. *PRUNUS INSITITIA* L.

Plum.

*Herrnhäuser Mirabelle*.

131168. *PRUNUS DOMESTICA* L.

Common plum.

*Lukas' Fruhwetsche*.

131169 to 131173. *PYRUS COMMUNIS* L. Malaceae.

Common pear.

131169. *Beuckes Butterbirne*.

131170. *Emder Kochbirne*.

131171. *Holländische Zuckerbirne*.

131172. *Pfirsichbirne*.

131173. *Stuttgarter Geisshirtle*.

**131174 to 131176.**

From the Union of Soviet Socialist Republics. Seeds presented by the Director, Botanical Garden of the Academy of Sciences, Kiev. Received December 16, 1938.

131174. *MELILOTUS ALBA* Desr. Fabaceae.

White sweetclover.

131175. *MELILOTUS OFFICINALIS* (L.) Lam. Fabaceae.

Sweetclover.

131176. *TRIGONELLA CAERULEA* (L.) Seringe. Fabaceae.

For previous introduction see 90041.

**131177. AMYGDALUS PERSICA L. Amygdalaceae.**

Peach.

From Mexico. Seeds presented by E. O. Matthews, Parral, Chihuahua. Received December 17, 1938.

A yellow-fleshed peach.

**131178 to 131183.**

From Germany. Plants purchased from Rudolf Schmidt, Rellingen, Holstein. Received December 23, 1938.

131178 to 131182. *PRUNUS* spp. Amygdalaceae.

131178 to 131180. *PRUNUS DOMESTICA* L.

Common plum.

131178. *Ackermannspflaume*.

131180. *Kroosjespflaume*.

131179. *Fürsts Frühzwetsche*.

131181. *PRUNUS INSITIITA* L.

Plum.

*St. Julien Damascen*.

131182. *PRUNUS CERASIFERA* Ehrh.

Myrobalan plum.

131183. *PYRUS COMMUNIS* L. Malaceae.

Common pear.

*Grosse Katzenkopf*.

**131184 to 131197.**

From France. Plants and cuttings purchased from the Museum of Natural History, Paris. Received December 27, 1938.

131184. *BRYOPHYLLUM MINIATUM* (Hilsenb. and Boj.) Berger. Crassulaceae.

Var. *Subpeltatum*. A form said to have smaller leaves and longer and more slender petioles, with the leaves in the center of the shoot always peltate.

131185. *BRYOPHYLLUM TUBIFLORUM* Harv.

An erect herb 1 foot high, with terete fleshy leaves 1 to 2 inches long tipped with 3 linear erect teeth and 2 broad reflexed teeth. The scarlet flowers are in terminal clusters. Native to Madagascar.

For previous introduction see 101361.

131186 to 131195. *KALANCHOE* spp. Crassulaceae.

131186. *KALANCHOE* sp.

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

131187. *KALANCHOE GLAUCESCENS* Britten.

A plant, native to tropical Africa, with a terete stem 2 feet or more high, narrowly oval, irregularly crenate fleshy leaves 5 inches long and red or dark-yellow flowers ½ inch long in a glaucous panicle.

For previous introduction see 79478.

131188. *KALANCHOE HILDEBRANDTII* Ball.

A woody succulent, native to Madagascar, with dense cymes of small yellow flowers.

For previous introduction see 79171.

## 131184 to 131197—Continued

131189. *KALANCHOE INTEGERRIMA* Lange.

A kalanchoe with erect stems 1 to 1½ feet high, woody at the base, entire broad obovate leaves up to 1½ inches long, and a lax cyme of many scarlet flowers. Said to be native to South Africa.

131190. *KALANCHOE HILDEBRANDTII* Baill.

For previous introduction and description see 131188.

131191. *KALANCHOE PUBESCENS* Baker.

A robust erect perennial with pubescent flowering stems 2 feet high, and orbicular crenate, fleshy leaves with a petiole as long as the blade which is 2 inches long and broad. The panicle, with erect spreading main branches, is about 6 inches broad. Native to Madagascar.

131192. *KALANCHOE SCHIMPERIANA* A. Rich.

A succulent of cespitose habit with obovate, spatulate, crenate leaves and pale-yellow flowers about 3 inches long in a dense branching cyme.

131193. *KALANCHOE HEXANGULARIS* N. E. Brown.

A kalanchoe with simple 6-angled stems about 3 feet high; petiolate, glossy green, elliptic or suborbicular, crenate leaves and cymes of small yellow flowers, green at the base. Allied to *Kalanchoe paniculata*. Probably native to South Africa.

131194. *KALANCHOE SOMALIENSIS* Hook. f.

An erect, stout-branched shrub with sessile, obovate or oblong-obovate, crenate, serrulate, fleshy, greenish-white leaves, 4 to 6 inches long, and large open cymes of white flowers, faintly tinged with yellow. Native to eastern tropical Africa.

131195. *KALANCHOE THYSIFLORA* Harv.

A suffrutescent succulent, 2 to 4 feet high, native to southern Africa. The oblong-spatulate, pale-green leaves are 4 to 6 inches long, and the coral-orange flowers are borne in an oblong, compact panicle.

For previous introduction see 99431.

131196. *KITCHINGIA CAMPANULATA* Baker. Crassulaceae.

A stout-stemmed, fleshy plant with sessile, linear-oblong, obtuse, conspicuously crenate leaves 2 to 3 inches long. The 12 to 20 bright-red flowers are in a lax globose compound terminal cyme. Native to Madagascar.

131197. *KITCHINGIA PELTATA* Baker.

A succulent herbaceous perennial with leaves petiolate, almost peltate, crenate, 2 to 3 inches long, green with red margins, and pink petioles and stems. Native to Madagascar.

For previous introduction see 101374.

## 131198 to 131206.

From France. Plants and cuttings purchased from Bachelier-Charvot, Chateauroux (Indre). Received December 28, 1938.

131198 and 131199. *AMYGDALUS PERSICA* L. Amygdalaceae.

Peach.

131198. *Noire de Montreuil*.

131199. *President Lebrun*.

131200 and 131201. *MALUS SYLVESTRIS* Mill. Malaceae.

Apple.

131200. *Doux blanc*.

131201. *Retne des Pommes*.

131202 to 131205. *PRUNUS* spp. Amygdalaceae.

131202. *PRUNUS ARMENIACA* L.

Apricot.

*De Hollande*.

## 131198 to 131206—Continued

131203. PRUNUS AVIUM L. Sweet cherry.

*Precoce de Beaulieu.*

131204. PRUNUS DOMESTICA L. Common plum.

*Quetsch d'Alsace.*

131205. PRUNUS.

*Surpasse Reine-Claude.*

131206. PYRUS COMMUNIS L. Malaceae. Common pear.

*Calebasse Mme. Bachelier.*

## 131207 to 131233.

From England. Plants purchased from J. Cheal &amp; Sons, Ltd., Lowfield Nurseries, Crowley, Sussex. Received December 29, 1938.

131207 and 131208. AMYGDALUS PERSICA L. Amygdalaceae. Peach.

131207. *Noblesse.*131208. *Princess of Wales.*

131209. AMYGDALUS PERSICA VAR. NECTARINA Ait. Nectarine.

*Pineapple.*

131210 to 131217. MALUS SYLVESTRIS Mill. Malaceae. Apple.

131210. *Cornish Aromatic.* 131214. *Mabbott's Pearmain.*131211. *Forge.* 131215. *Nanny.*131212. *Hormead Pearmain.* 131216. *Peasgood's Nonsuch.*131213. *Keswick Codlin.* 131217. *Winter Queening.*

131218 to 131228. PRUNUS spp. Amygdalaceae.

131218. × PRUNUS EFFUSA (Host) Schneid. Duke cherry.

*Archduke.*

131219. PRUNUS AVIUM L. Sweet cherry.

*White Heart.*

131220 to 131228. PRUNUS DOMESTICA L. Common plum.

131220. *Belgian Purple.* 131225. *Early Prolific.*131221. *Belle de Louvain.* 131226. *Heron.*131222. *Bryanston Gage.* 131227. *Lawrence Gage.*131223. *Crimson Drop.* 131228. *Prince Englebert.*131224. *Curlew.*

131229 to 131232. PYRUS COMMUNIS L. Malaceae. Common pear.

131229. *Bellisime d'Hiver.* 131231. *Magnate.*131230. *Jersey Gratieli.* 131232. *Uvedale's St. Germain.*

131233. RIBES. Grossulariaceae.

*Worcester berry.*

131234. JUBAEOPSIS CAFFRA Beccari. Phoenicaceae. Palm.

From the Union of South Africa. Seeds presented by H. C. Bellew, Superintendent, Mkambati Leper Institution, Lusikisiki, Pondoland, through R. A. Dye, Department of Agriculture and Forestry, Pretoria. Received December 29, 1938.

A low pinnate-leaved palm 20 feet or less in height, with leaves 12 to 15 feet long and small edible nuts about the size of walnuts. Native to the coast of the Cape of Good Hope.

For previous introduction see 112372.

**131235. PSEUDANANAS MACRODONTES (E. Morr.) Harms. Bromeliaceae.**

From Argentina. Offshoots collected by J. L. Collins, Experiment Station of the Pineapple Cooperative Association, University of Hawaii. Received November 21, 1938.

A semi-wild form which produces the year round. The fruits are used for making wine and vinegar.

For previous introduction see 121492.

**131236 and 131237.**

From Mexico. Seeds presented by Dr. C. A. Purpus, Zacuapam, Huatusco, Veracruz. Received December 27, 1938.

**131236. PRUNUS CAPULI** Cav. Amygdalaceae.

**Capulin.**

For previous introduction see 126961.

**131237. PSIDIUM GUAJAVA** L. Myrtaceae.

**Guava.**

A variety about the size of an apple.

**131238 to 131242. SOLANUM MURICATUM** Ait. Solanaceae. **Pepino.**

From Peru. Seeds presented by the Chief, Estación Experimental Agrícola de la Molina, Lima. Received December 27, 1938.

Seeds from fruits obtained in the markets at Lima, Peru.

**131238.** Fruit creamy yellow, with light violet spots; globose, 10 cm. long and 9.5 cm. in diameter.

**131239.** Fruit grayish cream-colored with light-violet spots, somewhat heart-shaped, 10 cm. long and 7.5 cm. wide at the widest part.

**131240.** Fruit cream-colored with more or less raised light spots, ovoid, 10 cm. long and 7.5 cm wide.

**131241.** Fruit purplish, elongated, arched on one side toward the tip; terminating in a point; slightly compressed beneath; 11 cm. long and 6 cm. wide.

**131242.** Fruit dark purple, heart-shaped, elongated, terminating in a tip 10 cm. long and 6 cm. wide.

**131243. ULMUS CAMPESTRIS** L. Ulmaceae.

**English elm.**

From England. Plants presented by Dr. J. M. Walter, Hope Department, University Museum, Oxford. Received December 20, 1938.

Var. *Christine Buisman*.





## INDEX OF COMMON AND SCIENTIFIC NAMES

- Acacia acinacea*, 130688.  
*acuminata*, 130689.  
*falciformis*, 130690.  
*howitti*, 130691.  
*myrtifolia*, 130692.  
*pentadenta*, 130693.  
*sophorae*, 130694.  
*stricta*, 130695.
- Aciphylla squarrosa*, 130696.  
*Adenophora coronopifolia*, 131049.  
*verticillata* var. *angustifolia*, 131050.  
*verticillata* var. *princeps*, 131051.
- Agastache rugosa*, 131052.  
*Agrostis canina*, 130580.  
*Allium atropurpureum*, 130609.  
*triquetrum*, 130610.  
*ursinum*, 130611.
- Amygdalus andersonii*, 130595.  
*persica*, 130723-130729, 130894-130901, 130934-130937, 130965-130971, 130980, 131029, 131030, 131034, 131069-131071, 131177, 131198, 131199, 131207, 131208.  
*persica* var. *nectarina*, 130902-130907, 131031, 131072-131075, 131209.
- Ananas ananassoides*, 130939.  
*ananassoides* var. *nanus*, 130734.  
*comosus*, 130938.
- Angelica dahurica*, 131054.  
*Annona reticulata*, 131048.
- Antigonon leptopus*, 130596.
- Apple. See *Malus sylvestris*.
- Apricot. See *Prunus armeniaca*.
- Aquilegia oxysepala*, 131055.
- Aster ageratoides*, 131056.  
*laureanus*. See *Boltonia lautureana*.
- Astrelba elymoides*, 130889.  
*lappacea*, 130890.
- Avena sativa*, 130608, 130888.
- Baeckea virgata*, 130697.
- Barberry. See *Berberis* sp.
- Barley. See *Hordeum* spp.  
 deficient. See *H. deficiens*.  
 six-rowed. See *H. vulgare coeleste*.
- Bentgrass, European. See *Agrostis canina*.  
 Rhode Island. See *A. canina*.
- Berberis* sp., 130743.
- Berseem. See *Trifolium alexandrinum*.
- Bignonia radicans* × *chinensis*, 130959.
- Boltonia lautureana*, 131057.
- Bomarea* sp., 130600.
- Bottlebrush, showy. See *Callistemon speciosus*.
- Bromus catharticus*, 130891, 130892.
- Brunsdonna parkeri*, 130612.
- Brunsvigia gigantea*, 130613.  
*joehinae*, 130614.
- Bryophyllum miniatum*, 131184.  
*tubiflorum*, 131185.
- Burtonia villosa*, 130698.
- Callistemon phoeniceus*, 130700.  
*speciosus*, 130699, 130701.
- Calocarpum sapota*, 130735.
- Campion. See *Lychnis fulgens*.
- Capscium frutescens*, 131046.
- Capulin. See *Prunus capuli*.
- Carica papaya*, 130730-130732.
- Cassia javanica*, 130702.
- Casuarina baxteriana*, 130703.  
*campestris*, 130704.
- Ceiba aesculifolia*, 131068.
- Chamaedorea* sp., 131032.
- Chelonanthus acutangulus*, 130992.
- Cherry, Duke. See × *Prunus effusa*.  
 sour. See *P. cerasus*.  
 sweet. See *P. avium*.
- Chorizema cordatum*, 130705.
- Chrysalidocarpus lucubensis*, 130882.
- Cissampelos tropaeolifolia*, 130993.
- Citrus aurantifolia*, 130733, 130737-130739.
- Cluster-amaryllis. See *Lycoris aurea*, also *Lycoris radiata*.  
 hardy. See *L. squamigera*.
- Columbine, early. See *Aquilegia oxysepala*.
- Conospermum bracteosum*, 130706.
- Corn. See *Zea mays*.
- Cotton. See *Gossypium*.
- Crataegus durobriensis*, 130958.
- Cratylia mollis*, 130943.
- Crinum asiaticum*, 130663.
- Custard-apple. See *Annona reticulata*.
- Echinocactus acanthodes*, 130963.
- Elm, English. See *Ulmus campestris*.
- Erythrina grisebachii*, 130928.
- Eucalyptus tetragona*, 130707.
- Ferocactus johnstonianus*, 130964.
- Gardenia globosa*, 130720.  
*thunbergia*, 130721.
- Gaultheria rupestris*, 130708.
- Giant-hyssop, wrinkled. See *Agastache rugosa*.
- Goodia lotifolia*, 130709.
- Gossypium*, 130603-130606, 131033.
- Grape, Amur. See *Vitis amurensis*.

- Grass. See *Astrebta elymoides*, *Bromus catharticus*, and *Phalaris tuberosa*.  
hook Mitchell. See *Astrebta lap-pacea*.
- Guava. See *Psidium guajava*.  
Guernsey-lily. See *Nerine sarniensis*.
- Haemanthus albiflos*, 130619.  
*albiflos* var. *brachyphyllus*, 130620.  
*natalensis*, 130722.
- Hippeastrum advenum*, 130615, 130618.  
*phycelloides*, 130616.  
*pratense*, 130617.
- Hordeum deficiens*, 130581-130587.  
*vulgare*, 130588-130594.  
*vulgare* var. *coeleste*, 130740.
- Hypochaeris grandiflora*, 131058.
- Ipomoea batatas*, 130607, 131137-131142.
- Jaboticaba*. See *Myrciaria cauliflora*.  
*Jubaeopsis caffra*, 131234.
- Kalanchoe* sp., 131186.  
*glaucescens*, 131187.  
*hildebrandtii*, 131188, 131190.  
*integerrima*, 131189.  
*pubescens*, 131191.  
*schimperiana*, 131192.  
*sexangularis*, 131193.  
*somaliensis*, 131194.  
*thyrsiflora*, 131195.
- Kennedyia nigricans*, 130710.  
*Kitchingia campanulata*, 131196.  
*peltata*, 131197.
- Lactuca bourgaei*, 130948.  
*bracteata*, 130949.  
*perennis*, 130950.  
*plumieri*, 130947.  
*serriola*, 130951, 130977.
- Leschenaultia biloba*, 130711.
- Lettuce. See *Lactuca* spp.
- Lilium callosum*, 131059.  
*elegans*, 130664.  
*thunbergianum*. See *L. elegans*.
- Lily, Japanese. See *Lilium elegans*.
- Lime. See *Citrus aurantifolia*.
- Lolium remotum*, 130979.  
*Lychnis fulgens*, 131060.  
*Lycopersicon esculentum*, 131047.
- Lycoris albiflora*, 130665.  
*aurea*, 130666.  
*incarnata*, 130621.  
*radiata*, 130667, 130668.  
*squamigera*, 130669.
- Magnolia kobus*, 130925.  
*sieboldii*, 130598.  
*wilsonii*, 130599.  
*wilsonii* f. *taiensis*, 130597.
- Magnolia*, kobus. See *Magnolia kobus*.
- Malus* sp., 130602.  
*sylvestris*, 130908, 130909, 130972, 130973, 130981, 131000-131014, 131035-131039, 131076-131083, 131098-131119, 131143-131154, 131200, 131201, 131210-131217.
- Melaleuca hypericifolia*, 130712.  
*pubescens*, 130713.  
*stypheleoides*, 130714.
- Melaleuca*, dotted. See *Melaleuca hypericifolia*.
- Melilotus alba*, 131174.  
*dentata*, 130994.  
*indica*, 130995.  
*italica*, 130996.  
*officinalis*, 131175.  
*speciosa*, 130997.  
*sulcata*, 130998.  
*wolgica*, 130999.
- Mockorange, Schrenk. See *Philadelphus schrenkii*.
- Myrciaria cauliflora*, 130744.
- Nectarine. See *Amygdalus persica* var. *nectarina*.
- Nerine sarniensis*, 130622.
- Nicotiana tabacum*, 130978.
- Oats. See *Avena sativa*.
- Onion. See *Allium atropurpureum* and *A. ursinum*.
- Oryza glaberrima*, 130649.  
*sativa*, 130650-130622, 130960-130962.
- Palm. See *Chamaedorea* sp., *Chrysalidocarpus lucubensis*, *Jubaeopsis caffra*, *Pigafettia elata*, and *Ptychoraphis augusta*.
- Papaya. See *Carica papaya*.
- Peach. See *Amygdalus persica*.  
wild. See *A. andersonii*.
- Pear, common. See *Pyrus communis*.
- Pepino. See *Solanum muricatum*.
- Phalaris tuberosa*, 130893.
- Phaseolus* sp., 130945.
- Philadelphus schrenkii*, 131061.
- Pigafettia elata*, 130736.
- Pineapple. See *Ananas comosus*.
- Plum. See *Prunus inositia*.  
common. See *P. domestica*.  
myrobalan. See *P. cerasifera*.
- Poisonbulb. See *Crinum asiaticum*.
- Polygonum orientale*, 131053.
- Princesplume. See *Polygonum orientale*.
- Prostanthera lasianthos*, 130715.  
*nivea*, 130716.
- Prunus*, 131205.  
*armeniaca*, 130883, 130974, 130975, 130982, 131040, 131084, 131085, 131155, 131202.  
*avium*, 130910-130912, 130976, 130983-130987, 131015-131018, 131041, 131042, 131120, 131156-131163, 131203, 131219.  
*capuli*, 131236.  
*cerasifera*, 131182.  
*cerasus*, 131043.  
*domestica*, 130913, 130916-130918, 130920, 130988, 130989, 131019-131022, 131086-131091, 131164-131166, 131168, 131178-131180, 131204, 131220-131228.

*Prunus*—Continued

- effusa*, 131218.  
*insititia*, 130914, 130915, 130919,  
 131167, 131181.  
*Pseudananas macrodentes*, 131235.  
*Psidium guajava*, 131237.  
*Ptychoraphis augusta*, 130742.  
*Pueraria phaseoloides*, 130946.  
*Pultenaea daphnoides*, 130717.  
*Pyrus communis*, 130921–130924, 130990,  
 130991, 131023, 131024, 131044, 131045,  
 131092–131096, 131121–131136, 131169–  
 131173–131183, 131206, 131229–131232.  
 Redpepper, common. See *Capsicum*  
*annuum*.  
*Rheum rhaponticum*, 131026–131028,  
 131097.  
*undulatum*, 131062.  
 Rhubarb. See *Rheum undulatum*.  
 common. See *R. rhaponticum*.  
*Ribes*, 131233.  
 Rice. See *Oryza* spp.  
 Rosa-de-montana. See *Antigonon lep-*  
*topus*.  
*Rumex* sp., 131063.  
*Saccharum*, 130884–130887, 130927.  
 Sapote. See *Calocarpum sapota*.  
*Scilla japonica*. See *S. thunbergii*.  
*thunbergii*, 130670.  
*Solanum muricatum*, 131238–131242.  
*rostratum*, 130944.  
*tequilense*, 130601.  
*Suaeda fruticosa*, 130926.

- Sugarcane. See *Saccharum*.  
 Sweetclover. See *Melilotus* spp.  
 white. See *M. alba*.  
 Sweetpotato. See *Ipomoea batatas*.  
*Tecophilaea cyano-crocus*, 130623–  
 130625.  
 Toadlily, hairy. See *Tricyrtis hirta*.  
 Tobacco. See *Nicotiana tabacum*.  
 Tomato. See *Lycopersicon esculentum*.  
*Tricyrtis* spp., 130671, 130675.  
*hirta*, 130672.  
*latifolia*, 130673.  
*macranthopsis*, 130674.  
*Trifolium alexandrinum*, 130940–130942.  
*Trigonella caerulea*, 131176.  
*Tristania laurina*, 130718.  
*Triticum aestivum*, 130626–130648,  
 130676–130687, 130880, 130881, 130929–  
 130933.  
*Ulmus campestris*, 131243.  
 Undetermined, 130719.  
*Veronica komarovii*, 131064.  
*sibirica*, 131065.  
*tubiflora*, 131066.  
*Vitis amurensis*, 131067.  
 Wheat, common. See *Triticum aesti-*  
*vum*.  
*Zea mays*, 130745–130879, 130952–  
 130957.  
*Zephyranthes citrina*, 130741.