Plant Inventory No. 143
UNITED STATES DEPARTMENT OF AGRICULTURE
Washington, D. C., August, 1950

PLANT MATERIAL INTRODUCED BY THE DIVISION OF PLANT EXPLORATION AND INTRODUCTION, BUREAU OF PLANT INDUSTRY, APRIL 1 TO JUNE 30, 1940 (Nos. 136370 to 137937)

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This inventory, No. 143, lists the plant material (Nos. 136370 to 137937) received by the Division of Plant Exploration and Introduction during the period April 1 to June 30, 1940. 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,
Plant Industry Station
Beltsville, Md.

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

136370 to 136383.
From Ohio. Plants purchased from Henry Kohankie & Son, Painesville. Received April 19, 1940.


Bole Rose.

136371. Deutzia ningpoensis Rehder.

A shrub up to 7 feet high with ovate-oblong, entire or slightly toothed leaves, and white flowers in panicles up to 4 inches long. Native to eastern China.

136372 to 136377. Diervilia spp. Caprifoliaceae.

136372. Diervilia hortensis Sieb. and Zucc.

Var. Rubra.

136373. Diervilia.

Var. Desboisii.

136374. Diervilia japonica (Thunb.) DC. Japanese weigela.

For previous introduction see 62710.

136375 to 136377. Diervilia.

136375. Var. Sieboldii Argenteo-marginata.

136376. Var. Abel Carrière.


A deciduous twining shrub with lanceolate to oblong-lanceolate leaves 2 to 4 inches long and axillary or terminal cymes of few large greenish-yellow flowers, brown purple within. Native to northern China.

For previous introduction see 135969.

136379 to 136383. Philadelphus spp. Hydrangeaceae.

136379. Philadelphus coronarius L. Sweet mockorange.

Var. Multiflorus Plenus

For previous introduction see 132458.

136380. Philadelphus lewisii Pursh. Lewis mockorange.

For previous introduction see 132826.


A bushy mockorange from Szechwan, China, which becomes about 6 feet high, with finely toothed narrow leaves and white flowers 1 inch in diameter, borne in early June in few-flowered racemes.

For previous introduction see 132602.

136382. Philadelphus nepalensis Koehne.

A Himalayan shrub up to 6 feet high with ovate-oblong leaves 2 to 4 inches long and pure-white flowers 1 ½ inches across in 5-flowered racemes.

136383. Philadelphus.

Var. Ophelia.


136384 and 136385. \textit{Vitis}. Vitaceae. \textbf{Grape.}

From Greece. Cuttings presented by Prof. B. Krimbas, Ecole Supérieure Agronomique, Athens. Received April 22, 1940.

136384. \textit{Sultanina à Pepins}.

136385. \textit{Sultanina Strongylhorax}.

136386 and 136387.

From the Netherlands. Plants presented through J. Horace McFarland, Mount Pleasant Press, Harrisburg, Pa. Received April 23, 1940.

136386. \textit{Berberis linearifolia} Phil. Berberidaceae.

A handsome evergreen barberry of loose, erect habit, 4 to 8 feet high, with entire linear-oblong to elliptic leaves \( \frac{1}{4} \) to \( \frac{1}{2} \) inches long, dark green, shining above, and corymbs of 3 to 7 orange to crimson flowers followed by dark blue-black fruits. Native to Chile.

For previous introduction see 134391.

136387. \textit{\times Berberis logogensis} Sandw. Var. \textit{Higdoron}.

136388 and 136389. \textit{Medicago sativa} L. Fabaceae. \textbf{Alfalfa.}

From Canada. Seeds presented by the Division of Forage Plants, Central Experimental Farm, Ottawa. Received April 17, 1940.


136390. \textit{Vitis}. Vitaceae. \textbf{Grape.}

From China. Cuttings purchased from P. Mirksch, Tientsin, Hopei. Received April 25, 1940.

136391 to 136399.

From the Union of Soviet Socialist Republics. Seeds presented by Dr. S. N. Shundenko, Institute of Plant Industry, Leningrad. Received April 15, 1940.

136391. \textit{Abelmoschus esculentus} (L.) Moench. Malvaceae. \textbf{Okra.}

No. 2. \textit{Bamia Siliquosa}. A low-growing form.

136392. \textit{Apium graveolens} L. Apiaceae. \textbf{Celery.}

No. 244. \textit{Kerevis} celery.

136393 and 136394. \textit{Capsicum frutescens} L. Solanaceae. \textbf{Redpepper.}

136393. No. 251. (Origin Peru.)

136394. No. 2-A. (Origin Soviet Union.)

136395 and 136396. \textit{Cucumis sativus} L. Cucurbitaceae. \textbf{Cucumber.}

136395. No. 573. \textit{Ohara Fusionari Kiuri}. (Origin Japan.)

136396. No. 571. (Origin Japan.)

136397. \textit{Cucurbita moschata} Duchesne. Cucurbitaceae. \textbf{Cushaw.}

No. 763. (Origin Turkey.)

136398. \textit{Daucus carota} L. Apiaceae. \textbf{Carrot.}

No. 1203. \textit{Blacu} (Origin Afghanistan.)

136399. \textit{Solanum melongena} L. Solanaceae. \textbf{Eggplant.}

No. 173. \textit{Wild Kluster} (Origin India.)

136400 to 136402.

From England. Plants purchased from Reginald Kaye, Waithman Hardy Plant Nursery, Silverdale, Lancaster. Received April 3, 1940.
136400—Continued.

136400. **Deutzia reflexa** Duthie. Hydrangeaceae.

A small, rather slender shrub with grayish bark, narrow-lanceolate, serrate leaves, and corymbs of small pure-white flowers. Related to *Deutzia discolor*. Native to central China.

136401. **Diervillia**. Caprifoliaceae.

Var. Brightness.


136403. **Trifolium subterraneum** L. Fabaceae. Subterranean clover.

From New Zealand. Seeds presented by L. W. Gorman, Grasslands Division, Palmerston North, through F. H. Bruning Pty., Melbourne, Australia.

*Burnerang F. C. No. 13218.*

136404 to 136411.

From Venezuela. Seeds presented by Dr. D. G. Langham, Estación Experimental de Agricultura, El Valle, Caracas. Received April 3, 1940.


136404. From near Maracay.

136405. From El Valle.

136408 to 136411. **Euchlaena mexicana** Schrad. Poaceae. Teosinte.

136408. From El Valle.

136409. From Maracay.

136412. **Saccharum**. Poaceae. Sugarcane.

From the Virgin Islands. Cuttings presented by R. H. King, Christiansted, Saint Croix. Received April 3, 1940.


From the British West Indies. Seeds presented by the Cotton Research Station, Trinidad. Received April 4, 1940.

*Triumph Crinkled C B 262 Selfed.*

136414 to 136419.

From England. Plants purchased from Bees Ltd., Liverpool. Received April 5, 1940.

136414. **Amygdalus persica** L. Amygdalaceae. Peach.

**Barrington.**

136415 to 136417. **Malus sylvestris** Mill. Malaceae. Apple.

136415. *Ard Cairn Russet.*

136416. *Norfolk Royal.*

136417. *Queen Mary.*


136419. **Rubus** sp. Veitch berry.


From the British West Indies. Seeds presented by the Cotton Research Station, Trinidad. Received April 5, 1940.

136420. *BD. Ba. 1-12.*

136421. *AN. Ba. 1-2.*
136422. **PHILODELPHUS.** Hydrangeaceae. **Mockorange.**
From England. Plants purchased from the Baggesens Nurseries Ltd., Pembury, near Tunbridge Wells, Kent. Received April 6, 1940.

**Pembury Puritan.**

136423 to 136426.
From New Jersey. Plants purchased from the F. and F. Nurseries, Springfield. Received April 6, 1940.

136423. **CHAENOMELES JAPONICA** var. **ALPINA** Maxim. Malaceae. **Alpine Japan quince.**
136424 and 136425. **CHAENOMELES JAPONICA** (Thunb.) Lindl. **Japan quince.**
136424. Var. **Corallina.**
136425. Var. **Grandiflora.**

136427. **EUCALYPTUS ALBA** Reind. Myrtaceae. **White Gum.**
From Brazil. Seeds presented by Dr. Edmundo Navarro de Andrade, Rio Claro, Sao Paulo. Received April 2, 1940.

White Gum. A tall tree with ash-colored, rough, persistent bark and glaucous leaves varying from ovate-oblong and 3 inches long to ovate-lanceolate and 6 inches long. The small flowers are gathered into panicles at the ends of the branches, and the top-shaped fruits are $\frac{1}{4}$ inch in diameter. It is native to New Guinea and Java, and has been successfully established in Brazil, where it is considered of much value.

For previous introduction see 93227.

136428. **PACHYRHIZUS EROSUS** (L.) Urban. Fabaceae. **Yam bean.**
From Venezuela. Seeds presented by Dr. Henry Pittier, Ministry of Agriculture, Caracas. Received April 2, 1940.

For previous introduction see 117928.

136429. **SOLANUM MAGLIA** Schlecht. Solanaceae. **Nightshade.**
From Chile. Tubers presented by the Ministerio de Agricultura, Departamento de Divulgación y Propaganda Agrícola, Santiago. Received April 10, 1940.

A wild species, native to Chile, with oblong tubers about $1\frac{1}{2}$ inches long.

For previous introduction see 133080.

136430 to 136454.
From Canada. Seeds presented by the McFayden Seed Co., Winnipeg. Received April 4, 1940.

136430. **ASTRAGALUS CHINENSIS** L. f. Fabaceae. **Milkvetch.**
Originally from Manchuria. An erect herbaceous perennial, native to China, with smooth slender stems, elliptic-obtuse leaflets, and pendulous and few-flowered racemes of yellow flowers.

For previous introduction see 89399.

136431. **CAPSICUM FRUTESCENS** L. Solanaceae. **Redpepper.**
No. 5 *Early Manchurian Yellow.* Originally from Manchuria.

136432 to 136443. **CITRULLUS VULGARIS** Schrad. Cucurbitaceae. **Watermelon.**
136433. No. 15. A variety with peculiar small fruits, native to India. Originally from Sydney, Australia.
136430 to 136454—Continued.

136436. No. 18. Siberian × Mennonite. Grown for 50 years by the Mennonites in Canada; originally from Gouldtown, Saskatchewan.
136441. No. 23. Local. Originally from Southern Rhodesia.
136443. No. 25. Meshedi. Originally from Quetta, Baluchistan, India.
136444 to 136447. CUCURBITA MAXIMA Duchesne. Cucurbitaceae. Squash.
136448 and 136449. CUCURBITA PEPER L. Cucurbitaceae. Pumpkin.
136448. Summer squash. No. 10, of Chinese origin; originally from Harbin, Manchuria.
136450 to 136452. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.
136450. No. 11. Del Pais. Originally from Valparaiso, Chile.
136453. PHYSALIS sp. Solanaceae. Groundcherry.
136454. SEA MAYS L. Poaceae. Corn.
136455. CEANOTHUS FENDLERI A. Gray. Rhamnaceae.

From Colorado. Plants purchased from the Rockmont Nursery, Boulder. Received April 12, 1940.


From China. Scions presented by Peter Liu. Received April 12, 1940. Collected February 26 and 27, 1940.
136456. No. 1. From the vicinity of Pei Tao village, north of San Tun Ying, February 26, 1940. Trunk about 20 feet high; nuts not considered very good.
136457. No. 2. From north of Pei Tao village, February 26, 1940. Trunk about 9 feet high.
136458. No. 3. From the vicinity of Pei Tao village, north of San Tun Ying, February 26, 1940. Trunk about 10 feet high.
136459. No. 4. From Pei Tao village, north of San Tun Ying, February 26, 1940. Trunk about 10 feet high; nuts fairly large.
136460. No. 5. From the vicinity of Pei Tao village, February 26, 1940. Trunk of tree not very tall; a good yielder.
136461. No. 6. From north of Pei Tao village, February 26, 1940. Trunk about 9 feet high; a good yielder.
136462. No. 7. From near Pa Li Pu village, southeast of San Tun Ying, February 27, 1940. Tree about 35 feet high.
136456 to 136467—Continued.

136463. No. 8. February 27, 1940. Tree about 35 feet high.

136464. No. 9. From west of Pa Li Pu village, February 27, 1940. Tree about 35 feet high.

136465. No. 10. From an orchard in Pa Li Pu village, February 27, 1940; a good yielder.

136466. No. 11. From near the village of Fang An Chai about 5 miles southeast of San Tun Ying, February 27, 1940.

136467. No. 12. From the same orchard as the preceding, February 27, 1940.

136468 to 136471. CITRUS spp. Rutaceae.

From Iran. Collected by Walter Koelz, Bureau of Plant Industry, United States Department of Agriculture. Received April 13, 1940.

Collected at Khabis, Kirman, January 10, 1940.

136468. CITRUS LIMON (L.) Burm. f. Lemon.

No. 5648. Limue Khargi. Fruit ellipsoid, up to 4 inches long; rind very thin, light orange; flesh moderately seeded, less acid than that of the Italian lemon; good keeper.

136469. CITRUS sp.

No. 5647. Bakh. Fruit grapefruit-shaped, 3 by 4 inches; rind smooth, lemon color; flavor pleasantly acid.

136470 and 136471. CITRUS LIMON (L.) Burm. f.

136470. No. 5645. Dabe. Fruit subglobose, 6 inches long; rind smooth, 15 mm. thick, lemon yellow; seeds numerous at the core, flesh softer than 5646; lemon acid flavor.

136471. No. 5646. Otroj. Fruit subglobose to elongate, 5 by 4 inches; rind rough, 10 mm. thick, lemon yellow; seeds numerous at the core, firm salmon-tinted flesh; flavor pleasantly acid, milder than a lemon.

136472. ALEURITES MONTANA (Lour.) Wilson. Euphorbiaceae.

Mu-oil tree.

From France. Seeds purchased from Vilmorin-Andrieux & Co., Paris. Received April 9, 1940.

A tree with oil-producing seeds, closely allied to the tung tree, for use in breeding experiments; native to southern China.

For previous introduction see 93240.

136473. CYNODON PLECTOSTACHYUS (Schum.) Pilg. Poaceae. Grass.

From South Africa. Seeds presented by L. J. Keena, American Minister, Cape Town. Received April 9, 1940.

"Star" grass. A low, perennial grass with creeping stolons and short blades and upright flowering stems.

For previous introduction see 61089.

136474. CYNODON PLECTOSTACHYUS (Schum.) Pilg. Poaceae. Grass.

From South Africa. Seeds presented by the Department Van Landbou en Bosbou Rietondale, Wieldings-Navorsingstasie, through Prof. A. D. Leppan, of the National Marketing Council, Pretoria. Received April 9, 1940.

East African "Star" grass (Lake Shirwa strain).

136475. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.

From New Zealand. Seeds presented by Dr. Carl Taylor, Chief of the Division of Farm Population and Rural Life, Bureau of Agricultural Economics, United States Department of Agriculture. Received April 16, 1940,
136476 and 136477.
From England. Plants purchased from D. Stewart & Son, Ltd., Ferndown Nurseries near Wimborne, Dorset. Received April 22, 1940.

136478 to 136519.
From France. Trees purchased from Pépinières F. Delaunay, Angers. Received April 15, 1940.
136478 to 136481. Amygdalus Persica L. Amygdalaceae. Peach.
136478. Belle Bausse.
136479. Bourdine.
136480. Chancelière.
136481. Pécher Pleureur.
136482. Bouville Jaune de Caen.
136483. Doux Normandie.
136484. Ecarlatine.
136485. Fenouillet Gris.
136486. Frequn Tardif de la Sarthe.
136487. Michelin.
136488. Paradisiaca Atrosanguinea.
136489. Peau de Vache.
136490. Rambourd d'Hiver.
136491. Reinette Grise du Canada.
136492. Schoolmaster.
136493. Monsieur à Fruits Jaunes.
136494. Reine Claude Diaphane.
136495. Reine Claude Dorée.
136496. Reine Claude Tardive de Chambourcy.
136497 to 136502. Prunus Avium L. Sweet cherry.
136497. Bigarreau Antoine Momblot.
136498. Bigarreau Gros Blanc.
136499. Bigarreau Gros Coeuret.
136500. Bigarreau Pélissier.
136501. Bigarreau Tardif de Collonge.
136502. Bigarreau Tombret.
136503 and 136504. Prunus Cerasus L. Sour cherry.
136503. Belle de Sauvigny.
136504. Poîlevine.
136505 to 136507. Prunus Avium L. Sweet cherry.
136505. Beauté de l'Ohio.
136506. Ramon Oliva.
136507. Sucrée de L. Leclerc.
136508. Prunus Domestica L. Common plum.
Reine Claude Verte.
136509. Besi Quessoy d'Hiver.
136510. Beurré d'Avril.
136511. Figue d'Alençon.
136512. Général de Lamorecière.
136513. Philippe Chauveau.
136514. Présent de Van Mons.
136515. René Dunan.
136516. Saint-Germain d'Hiver.
136517. Suzette de Banay.
136518. Tardive de Toulouse.
136519. Bergamotte Hertrich.
136520 to 136546.
From France. Plants purchased from G. Benard & Co., Olivet-Orleans. Received April 15, 1940.

136520 to 136523. Ceanothus. Rhamnaceae.
136520. Ibis Rose.
136521. Indigo.
136522. Perle Rose.
136523. Richesse.

136524. Candida.
136525. Gaujardii.
136526. Grand Perfecta.
136527. Versicolor Lutescens.


An ornamental Japanese shrub 6 to 10 feet high, with oval long-pointed leaves 3 to 5 inches long and flowers that are at first pale pink, later changing to carmine.
136529. Alba.
136530. Rosea.

For previous introduction see 135408.

136531 and 136532. Diervilla coraeensis × floribunda.
136531. Lavalle.
136532. Othello.

136533. Diervilla florida × floribunda. President Duchartre.

136536 to 136545. Diervilla.
136536. Descartes.
136537. Docteur Baillon.
136538. Voltaire.
136539. Heroine.
136540. Kosteriana Variegata.
136541. Madame Billard.
136542. Madame Lemoine.
136543. Rosea Foliis Purpureis.
136544. Seduction.
136545. Verschaffelti.


From Canada. Seeds presented by Dominion Forage Crops Laboratory, University of Saskatchewan, Saskatoon. Received April 16, 1940.

From Italy. Scions presented by Dr. Antonio Biraghi, R. Stazione de Patologia Vegetal, Rome. Received April 17, 1940.

For previous introduction see 42648.
136549 to 136555.

From France. Plants purchased from Pépinières R. Turbat & Co., Orleans. Received April 25, 1940.


136553. Argentine.

136554. Sir de Billard.


136556 to 136564.

From Greece. Cuttings presented by Prof. P. T. Anagnostopoulos, Ecole Supérieure d'Agriculture, Athens. Received April 15, 1940.

For previous introduction see 136548.

136556 and 136557. Amygdalus persica L. Amygdalaceae. Peach.

136556. Flore rubro-pleno.

136557. Seedling stocks.


136558. Précoce d'Espéren.


136559. Belle Magnifique.

136560 and 136561. Prunus instititia L.

136560. Crosse Mirabelle de Metz.

136561. St. Julien.

136562. Prunus domestica L. Common plum.

136562. Damas de Toulouse.


136563. Bergamotte d'Espéren.


From Spain. Seeds presented by the Instituto de Cerealicultura, Estación de Jerez de la Frontera. Received April 15, 1940.

136565. Andalucia No. 344.

136566. Azul de Carmona Línea 291.

136567. Barbilla.

136568. Capablanca.

136569. Colorado de Jerez.

136570. Coruche.

136571. Jerez 1936 Línea 112.

136572. Jerez 1. 937 Línea 142.

136573. Macolo de Jerez Línea 33.

136574. Obispado.
136565 to 136577—Continued.
136575. *Semental de Sevilla* Linea 70.
136576. *Senatore Cappelli*.
136577. *Tremes*.

136578 to 136627.
From France. Trees purchased from Pépinières Baltet, Troyes (Aube). Received April 16, 1940.

136578 to 136586. *Amygdalus Persica* L. Amygdalaceae. Peach.
136578. *Baron Dufour*.
136579. *Belle Beausse*.
136580. *Belle Imperiale*.
136581. *Bourdine*.
136582. *Cote d’Azur*.
136578 to 136586. *Amygdalus Persica* L. Amygdalaceae. Peach.
136583. *Gros violet*.
136584. *Hative Pauillard*.
136585. *Lily Baltet*.
136586. *Madeleine Hariot*.

136587. *Ananas*.
136588. *De Chataignier*.
136589. *De Vigne*.
136590. *Ecarlate*.
136591. *Fenouillet Gris*.
136592. *Fleuritard*.
136593. *Francatu*.
136594. *Galloway Pippin*.
136595. *Gros Locard Vert*.
136596. *Nez Plat*.
136597. *Peau de Vache*.
136598. *Pigeon de Rouen*.
136599. *Reinette de Cuzy*.
136600. *Reinet de la Pentecote*.
136601. *Reinettes des Carmes*.
136602. *Reinet Dorée*.
136603. *Reinet Dorée de Versailles*.
136605. *Royale d’Angleterre*.
136606. *Verollot*.

136607. *Kaisha*.

136608 to 136610. X *Prunus effusa* (Host) Schneid. Duke cherry.
136608. *Anglaise Tardive*.
136609. *Belle de Chatenay*.
136610. *Belle de Choisy*.

136611 to 136614. *Prunus Avium* L. Sweet cherry.
136611. *Belle de Franconville*.
136612. *Gros Coeuret*.
136613. *Gros Rouge*.
136614. *Jaune de Buttners*.

136615 and 136616. *Prunus Cerasus* L. Sour cherry.
136615. *Montmorency Bretonneau*.
136616. *Montmorency de Sauvigny*.

136617 to 136619. *Prunus Avium* L. Sour cherry.
136617. *Pellisier*.
136618. *Sylva de Palluau*.
136619. *Tardif de Lade*.

136620. *Bergamotte Arsène Sannier*.
136621. *Beurré d’Avril*.
136622. *Beurré Gris d’Amboise*.
136623. *Cardinal Georges d’Amboise*.
136624. *Carisi*.
136625. *Professeur Gilleskins*.
136626. *Professeur Opoix*.
136627. *Saint Germain d’Hiver*.
From the Philippine Islands. Seeds collected by the Archbold-Fairchild Expedition. Received March 15, 1940.

136628. **AGLAIA** sp. Meliaceae.  
No. 162. From Mount Apo National Park, Mindanao, January 22, 1940.

136629. **ALOCASIA MACRORHIZA** (L.) Schott. Araceae Hawaiian giant taro.  
No. 158. From Mindanao, January 23, 1940.  
For previous introduction see 134979.

No. 148. From Mindanao, January 18, 1940. A medium-sized tropical tree, the fruit of which resembles the jackfruit and the seeded breadfruit in appearance, but is superior in quality to either. It is native to the southern Philippine Islands and the Sulu Archipelago. The roundish oblong fruits, about 6 inches long, have a thick fleshy rind and white, sweet flesh that is juicy and aromatic, with a pleasant flavor.  
For previous introduction see 80852.

136631. **CAPSICUM FRUTESCENS** L. Solanaceae. Redpepper.  
No. 171. From the hillsides of Maripipi in the Samar Sea, January 13, 1940.

No. 141. From the cliffs of Maripipi in the Samar Sea, January 13, 1940.  
For previous introduction see 134985.

136633. **CASTANOPSIS PHILIPENSIS** (Blanco) Vidal. Fagaceae.  
No. 149. From Marasila, Mindanao, January 22, 1940.  
For previous introduction see 103851.

136634. **DIOSPYROS MARITIMA** Blume. Diospyraceae.  
No. 138. From the water's edge of El Templo Island, January 10, 1940. A large and handsome tree with oblong-elliptic leaves 2 to 6 inches long, shining above, and globose 4-seeded fruits about 1 inch through. Native to tropical coastal areas of eastern Asia.

136635. **MOMORDICA** sp. Cucurbitaceae.  
No. 144. From an arbor at Dumaguete, Negros Island, January 16, 1940. An ornamental vine, bearing deep-orange-colored fruits up to 4 inches in diameter that are covered with soft spines like the spines of a chestnut bur; they open and show curious brown seeds covered with a blood-red, rather slimy arillus, contrasting with the color of the fruit.

136636. **ONCOSPERMA** sp. Phoenicaceae. Palm.  
No. 152. From a fresh-water swamp 6 to 12 inches above water level, Davao-Madaum Road, Mindanao, January 23, 1940. A slender, spiny, cluster palm up to 60 feet high, resembling *Onocosperma horridum*.

136637. **ORMOSIA CALAVENSIS** Blanco. Fabaceae.  
No. 146. From Camp Lookout, Dumaguete, Negros Island, January 16, 1940, at 1,000 feet altitude. A large tropical tree with unequally pinnate leaves consisting of 7 or 9 ovate leaflets. The violet-colored flowers are followed by dark-brown small woody pods containing 2 or 3 coral-pink seeds. Native to the Philippines.  
For previous introduction see 134361.

No. 153. From hammocks in Bincimgan, Davao Province, Mindanao, January 23, 1940. A screwpine with roots up to 12 feet, then a straight trunk 12 feet higher with a total height of 30 feet; it has many branches. The decorative scarlet fruits, borne in clusters of a dozen or less are 5 by 9 inches, resembling large unopened pine cones. The leaves are 2 inches wide and 9 feet long, with spiny edges.

136339. **PANDANUS** sp. Screwpinene.  
No. 156. From marshy soil near Talomo, Davao, January 22, 1940. The cone-shaped scarlet fruits are borne close under the leaves on short stems. The leaves are long and broad.
136628 to 136646—Continued.

136640. PANGIUM EDULE Reinw. Flacourtiaceae.
No. 155. From Mount Apo National Park, Malasila, Mindanao, January 21, 1940.
For previous introduction see 135446.

136641. PINANGA sp. Phoenicaceae. Palm.
No. 161. From a forest at Malasila, Mindanao, January 22, 1940. The attractive fruits are borne in immense clusters.

136642. PINANGA sp. Palm.
No. 154. From along Taguni River, January 21, 1940. A slender pinnate-leaved palm of medium height, with the leaflets bipartite down to ⅓ their length. The young leaflets are mottled as in Pinanga macidata. The fruit cluster, about 2 feet long, bears more than a thousand small fruits ¾ inch long, brilliant red at first, becoming silky black when ripe.

136643. CALLICARPA CUMINGIANA Schauer. Verbenaceae.
No. 157. January 1, 1940. A rather low stocky tree with an umbrella-shaped crown and scattered, oblong to elliptic, stout-petioled leaves, the medium-sized blades about 8 inches long. The small whitish flowers, in paniculate corymbs about 4 inches across in the upper leaf axils, are followed by shiny, red, globose fruits ⅙ inch in diameter. Native to the Philippine Islands.

136644. PUERARIA PHASEOLOIDES (Roxb.) Benth. Fabaceae.
No. 159. From Cotabato-Davao, Mindanao, January 21, 1940. A twining, semi-shrubby 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 133962.

136645. (Undetermined.)
No. 163. From near Cotabato, Mindanao, January 22, 1940. A shrub bearing only a few attractive, yellow, tubular flowers, followed by hard yellow fruits.

136646. PITTOSPORUM sp. Pittosporaceae.
No. 139. From Tagapulo Island, Samar Sea, January 12, 1940. An ornamental shrub of open habit, 12 feet high with large glossy leaves. The deep-orange, egg-shaped fruits are in terminal clusters of four to six.

136647 to 136660.
From England. Trees purchased from Thompson & Morgan, Ipswich. Received April 18, 1940.

136647. AMYGDALUS PERSICA L. Amygdalaceae. Peach.
Russell’s Red.

136650. James Kirk.

136653. MALUS PRUNIFOLIA (Willd.) Borkh. Golden Gem.

136654. MALUS TORINGOIDES (Rehder) Hughes. Cutleaf crab.
A shrub or small tree, up to 25 feet high, with oval 4-lobed leaves, and handsome fruits about half an inch long, yellow, usually with a red cheek. Native to western China.
For previous introduction see 77840.

136655 and 136656. PRUNUS Cerasifera var. ATROPURPUREA Jäger. Amygdalaceae.
APRIL 1 TO JUNE 30, 1940

136647 to 136660—Continued.

136657 and 136658. Prunus domestica L. Common plum.
   136657. Prince of Wales.
   136658. Sultan.

136659 and 136660. Pyrus communis L. Common pear.
   136659. Jean Van Geert.
   136660. Winter Orange.

136661 to 136675.

From New Jersey. Plants purchased from the Princeton Nurseries, Princeton. Received April 19, 1940.

   For previous introduction see 132035.

   For previous introduction see 136527.

   For previous introduction see 132456.

   Pride of Rochester.
   For previous introduction see 136551.

136665 to 136671. Diervilia spp. Caprifoliaceae.

136665. Diervilia coraeensis (Thunb.) DC. Korean weigela.
   For previous introduction see 136530.

   For previous introduction see 135978.

136667. Diervilia florida (Bunge) Sieb. and Zucc.
   A shrub up to 10 feet high, with short-petioled, serrate leaves 2 to 4 inches long, tomentose beneath. The tubular flowers, more than 1 inch long, rosy pink outside and paler inside, are borne in axillary cymes.
   For previous introduction see 93126.

   A beautiful free-flowering North American plant, with light pea-green leaves 8 inches long and 3 to 4 inches broad and pretty, sweet-scented, light-yellow flowers.
   For previous introduction see 49945.

136669 to 136671. Diervilia.

136669. Eva Rathke.

136670. Nana Variegata.

136671. Candida.

136672. Periploca graeca L. Asclepiadaceae.
   A tall woody vine, with ovate-lanceolate leaves and wheel-shaped brownish-green flowers 1 inch across in loose, terminal cymes. Native to Asia Minor and southern Europe.
   For previous introduction see 122650.

136673 to 136675. Philadelphus spp. Hydrangeaceae.

136673. X Philadelphus maximus Rehder.
   A tall shrub, a hybrid between Philadelphus tomentosus and P. pubescens.
136674. **PHILADELPHUS SERICANTHUS** Koehne. *Silk mockorange.*
A white-flowered shrub 10 feet high, native to thickets of western Szechwan, China, at altitudes of 4,200 feet.
For previous introduction see 132607.

136675. **PHILADELPHUS VERRUCOSUS** Schrad. 
For previous introduction see 132609.

136676 to 136753.
From Canada. Seeds presented by the McFayden Seed Co., Winnipeg. Received April 19, 1940.

136676 to 136751. **PHASEOLUS VULGARIS** L. Fabaceae. *Common bean.*

136676. No. 2. *Yellow.* Originally from Melville, Saskatchewan.
136677. No. 3. *Purple.* Originally from Punnicky, Saskatchewan.
136678. No. 4. Originally from Punnicky, Saskatchewan.
136679. No. 5. Originally from Viking, Alberta.
136682. No. 8. *Sel 26-27.* Originally from Minnesota University, Minneapolis, Minn.
Nos. 136684 to 136686 originally from the Department of Agriculture, Sydney, Australia.
136685. No. 11. *Kleine Weisse.*
136689. No. 15. *Burbank Navy.*
136691. No. 17. *Dwarf Green Round Pod.* Originally from Indian Head, Saskatchewan.
136694. No. 20. *Norida.* Originally from Carmen, Manitoba.
136696. No. 22. *Norwegian Brown.*
136699. No. 27. Originally from Ethelton, Saskatchewan.
136701. No. 29. Originally from Hyas, Saskatchewan.
136703. No. 31. Originally from Gouldtown, Saskatchewan.
136704. No. 32. Originally from Lintlaw, Saskatchewan.
136705. No. 33. Originally from Argyle, Manitoba.
136706. No. 34. **Laurentian.** Originally from Lac Nantel, Terrebonne County, Quebec.

136707. No. 35. **Aunt Susie.** Originally from Waterloo, Ontario.

136708. No. 36. **Golden Early.** Originally from Hyas, Saskatchewan.

136709. No. 37. **Merveille du Marche.** Originally from Moreau Frères, France.

136710. No. 38. Originally from Daylesford, Saskatchewan.

136711. No. 39. **Hungarian.** Originally from Leask, Saskatchewan.

136712. No. 40. Originally from Norquay, Saskatchewan.

136713. No. 41. **Louisiana.** Originally from Zelma, Saskatchewan.

136714. No. 42. **Red-White.** Originally from Noyse, Minnesota.

136715. No. 43. **Golden Shower.** Originally from Avebury, Saskatchewan.

136716. No. 44. **Swedish Brown.** Originally from Balmoral, Manitoba.

136717. No. 45. **Winter.** Originally from Winkler, Manitoba.

136718. No. 46. **Oregon Brown Greasy.** Originally from Rife, Alberta.

136719. No. 47. **Phasels No. 52.** Originally from Harbin, Manchuria.

136720. No. 48. Originally from Norge, Saskatchewan.

136721. No. 49. Originally from Wadena, Saskatchewan.

136722. No. 50. Originally from Miami, Manitoba.

136723. No. 51. Originally from Blumenhof, Saskatchewan.

136724. No. 52. **White.** Originally from Prince Albert, Saskatchewan.

136725. No. 53. Originally from Punnicky, Saskatchewan.

136726. No. 54. **Olsok.** Originally from Weibull Seed Co., Norway.

136727. No. 55. **Austrian Sugar.** Originally from Norquay, Saskatchewan.

136728. No. 56. **Striped Brown.** Originally from Plumas, Manitoba.

136729. No. 57. **Kotenashi.** Originally from Bon Accord, Alberta.


136731. No. 59. Originally from Thornhill, Manitoba.

136732. No. 60. **Brown.** Originally from Tavistock, Ontario.

136733. No. 61. **Brown Dwarf.** Originally from Nilon, Alberta.

136734. No. 62. **Russian.** Originally from Blumenhof, Saskatchewan.

136735. No. 63. **Swedish Brown.** Originally from Noyes, Minnesota.

136736. No. 64. Originally from Rock Island, Quebec.

136737. No. 65. **Horticultural.** Originally from Plumas, Manitoba.

136738. No. 66. **0-683.** Originally from Ottawa, Ontario.

136739. No. 67. **Bush Bean.** Originally from Hyas, Saskatchewan.

136740. No. 68. **Red and Black Striped.** Originally from Souris, Manitoba.

136741. No. 69. **0-719.** Originally from Ottawa, Ontario.

136742. No. 70. **No. 13.** Originally from Souris, Manitoba.

136743. No. 71. **Snyboonen.** Originally from Tollend P. O., Alberta.

136744. No. 72. **Cameleon.** Originally from Lac Du Bonnet, Manitoba.

136745. No. 73. **Buckskin.** Originally from Grimshaw, Alberta.

136746. No. 74. **Golden Horn.** Originally from Benary Seed Co., Germany.

136747. No. 75. **Pole Bean, Early Purple.** Originally from Punnicky, Saskatchewan.

136748. No. 76. **Pole Bean.** Originally from Victoria, British Columbia.

136749. No. 77. **Pole Bean.** Originally from Glenside, Saskatchewan.

136750. No. 78. **Pole Bean.** Originally from Melville, Saskatchewan.
136676 to 136753—Continued.

136751. No. 1. 60-Day Bean. Originally from Hoey, Saskatchewan.


Originally from Harbin, Manchuria.

136753. No. 25. Asparagus Bean No. 61.

136754 to 136769.

From France. Plants purchased from V. Lemoine & Son, Nancy. Received April 20, 1940.


136755 to 136762. Ceanothus.

136755. Biela.
136756. Carmen.
136757. Croix de Sud.
136758. Esperanto.
136759. La Condamine.
136760. Saphir.
136761. Vesta.
136762. Victor Jouin.


Macrothyrsa.


136765 to 136769. Diervilla. Caprifoliaceae.

136765. Buisson Flueri.
136766. Glorieux.
136767. Gracieux.
136768. Perle.
136769. Richesse.

136770 to 136793.

From France. Trees purchased from Pinquet-Guindon et Fils, Saint-Symphorien (Indre-et-Loire). Received April 22, 1940.


136771. Closette.
136772. Cravert.
136773. Doux d’Argent.
136774. Francatu Rose.
136775. Lambron.
136776. Muscadet.
136777. Reinette Étoilée.
136778. Reinette Grise du Canada.
136779. Reinette Grise Dure.
136780. Royal d’Angleterre.

136781 to 136789. Prunus spp. Amygdalaceae.

136781. × Prunus effusa (Host) Schneid. Cerise de Spa.
136782. Prunus avium L. Guigne Ramon Oliva.
136783 and 136784. Prunus cerasus L.

136783. Triaux de Fondettes.
136784. Triaux Precoce.

136785. Prunus insititia L. Mirabelle de Flotou.

136786 to 136789. Prunus domestica L.

136786. Monsieur a Fruit Jaune.

136787. Duke cherry.
136788. Sweet cherry.
136789. Sour cherry.

136785. Common plum.
136770 to 136793—Continued.
136770. Reine Claude Diaphane.
136771. Reine Claude Tardive.
136772. Reine Claude Verte.

136790 to 136793. PYRUS COMMUNIS L. Malaceae. Common pear.
136790. Beurré Sichet.
136791. Madame Du Puis.
136792. Précoce Poitevin.
136793. Président Mas.

136794 to 136829.
From Italy. Trees purchased from Vivai Ernesto Schwintzer, Bergamo. Received April 23, 1940.

136794 to 136796. AMYGDALUS PERSICA L. Amygdalaceae. Peach.
136794. Gialla di Negrone.
136795. Morellone d'Entratico.
136796. Rossa Gialla Romanesca.

      Mela di Moio.

136798 to 136810. PRUNUS spp. Amygdalaceae.
136798. PRUNUS ARME NIACA L. Apricot.
      Mognana.

136799. PRUNUS CERASUS L. Sour cherry.
      Amarasca di Mondorf.

136800 to 136804. PRUNUS A V I U M L. Sweet cherry.
136800. Calemer.
136801. Carnea.
136802. Grossa di Germersdorf.
136803. Grossa Nera.
136804. 9 Maggio.

136805. PRUNUS CERASUS L. Sour cherry.
      Marenone di Verona.

136806 to 136810. PRUNUS AVIUM L. Sweet cherry.
136806. Marosticana.
136807. Moretta di Cesana.
136808. Nera di Bolzano.
136809. Nera di Piemonte.
136810. Précoce di Bolzano.

136811 to 136813. PYRUS COMMUNIS L. Malaceae. Common pear.
136811. Butirra d'Aprile.
136812. Butirra Liegel.
136813. Di Trescore.

136814 to 136829. VITIS. Vitaceae. Grape
136814. Angelo Pirovano.
136815. Aurora (I.P. 100).
136816. Barbaleu.
136794 to 136829—Continued.

136817. *Ciclopica* (*I. P. 60*).
136818. *Delizia di Vaprio* (*I. P. 46a*).
136819. *Italia* (*I. P. 65*).
136820. *Perlona* (*I. P. 54*).
136821. *Primus* (*I. P. 7*).
136822. *I. P. 1*.
136823. *I. P. 14*.
136824. *I. P. 17*.
136825. *I. P. 47*.
136826. *I. P. 62*.
136827. *I. P. 75*.
136828. *I. P. 90*.
136829. *Moscato dell’ Adda*.

136830 to 136834. *Saccharum*. Poaceae. **Sugarcane**.
From the Fiji Islands. Cuttings presented by the Colonial Sugar Refining Co., Nausori. Received April 25, 1940.

136830. No. 4. *Duruka Coqecoge*. Cauliflower edible head.
136831. No. 5. *Duruka Memanu*. Cauliflower edible head type.

136835 to 136839. *Paspalum dilatatum* Poir. Poaceae. **Dallis grass**.
From Australia. Seeds presented by Dr. W. L. Waterhouse, School of Agriculture, University of Sydney, Sydney, New South Wales. Received April 17, 1940.

This grass has long been introduced in the Southern States, where it is widely distributed. It is used for pasturage, particularly on rich land, and frequently is cut for hay. It is native to Argentina, but is now extensively cultivated in Australia, New Zealand, South Africa, and in general throughout the Tropics.

For previous introduction see 62047.

136835. From Glen Innes.
136836. From Casino.
136837. From Carlingford.
136838. From Ourimbah.
136839. From Kyogle.

From England. Plants purchased from Walter C. Slocock, Ltd., Goldsworth “Old” Nursery, Woking, Surrey. Received April 25, 1940.

Var. *Coquette*.

136841 to 136849.
From South Australia. Seeds presented by J. Howard Johnson, Saint Peters. Received April 3, 1940.

136841 to 136846. *Acacia* spp. Mimosaceae.

136841 to 136843. *Acacia argyrophylla* Hook.

An evergreen spreading shrub or small tree, 12 to 20 feet high, with crooked trunk and branches. The phyllodes are obliquely obovate or oblong, rather broad
obtuse or mucronulate, silvery-silky; sometimes turning golden yellow, mostly 3/4 to 1 1/2 inches long. The yellow flower heads are few and short, in axillary racemes or solitary, and the pods are linear to narrow-elliptical. Native to Australia, where it grows in poor sandy soil with a limestone subsoil.

136841. No. 1. From Milang.
136842. No. 2.
136843. Low-growing form.

136844. Acacia melanoxylon R. Br.

An evergreen Australian tree up to 100 feet high, with lanceolate leathery phyllodes 4 inches long, heads of creamy flowers in short racemes, and reddish-brown twisted pods. The dark wood is very similar to black walnut and is used for the same purposes. The tree makes rapid growth when young.

For previous introduction see 106682.

136845. Acacia sp.
136846. Acacia sp.

From Milang. A bushy, wide-spreading tree, 12 to 20 feet high, called "coastal wattle." It is said to cover a considerable area of sand hills, directly on the coast and a few miles inland, on the southern Yorke Peninsula. The trunk and limbs are crooked and never more than 4 or 5 inches in diameter; the lower branches sweep the ground. The foliage is reported to be silvery green and the flowers to be in racemes. The wood is used only for fuel.

136847. Albizia sp. Mimosaceae.

From Milang, March 1, 1940.


From Milang, January 1, 1940. A small bushy tree.

For previous introduction see 116780.

136849. Casuarina sp.

From Milang, January 1, 1940. An ornamental tree 30 to 50 feet high and with a tall, straight trunk.

136850 to 136872.

From Canada. Seeds presented by T. F. Ritchie, Central Experimental Farm, Ottawa. Received April 18, 1940.

136850. Delcrow O. A. 1604.
136851. Early Fortune C. S. G. A.


136857. Farthest North.

Henderson Bush.
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<td><strong>136873 to 136877.</strong> From Rumania. Seeds presented by the Botanic Garden, Cluj. Received April 22, 1940.</td>
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<td>136873 to 136876. <em>Onobrychis</em> spp. Fabaceae.</td>
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<td>136873. <em>Onobrychis caput-galli</em> (L.) Lam. For previous introduction see 121219.</td>
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<tr>
<td>136874. <em>Onobrychis crista-galli</em> (L.) Lam. An annual or biennial ascending plant 8 to 20 inches high, with pinkish-purple flowers. Native to dry places in the Mediterranean region. For previous introduction see 72975.</td>
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<td>136875. <em>Onobrychis gracilis</em> Bess. A perennial herb with branching, ascending or erect stems up to 1½ feet high and small flowers. Native to the eastern Mediterranean region.</td>
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<td>136876. <em>Onobrychis viciaefolia</em> Scop. For previous introduction see 115398.</td>
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<td><strong>136878 to 136896.</strong> From the Philippine Islands and the Dutch East Indies. Seeds collected by the Archbold-Fairchild Expedition. Received April 10, 1940.</td>
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<td>136880. <em>Areca</em> sp. Phoenicaceae. Palm. No. 208. From the Volcano Sopoetan, Minahassa, Celebes, Dutch East Indies, February 7, 1940, at 800 m. altitude.</td>
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<tr>
<td>136881. <em>Areca</em> sp. Palm. No. 218. From Teteloe, Mount Klabat, Minahassa, Celebes, Dutch East Indies, February 15, 1940. A dwarf solitary, feather palm only 8 feet tall and 1 inch in</td>
</tr>
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diameter. It bears small clusters of orange-yellow fruits 1½ inches long and ½ inch through; these resemble clusters of the betel palm but are much smaller; the pinnae have a tendency to split at their edges, forming filaments that hang down. It grows in semishade, but does not like dense shade.

136882. ARENGA MICROCARPA Beccari. Phoenicaceae.  

No. 224. From Tidore Village, Sangi Island, Dutch East Indies, January 27, 1940. A handsome East Indian palm, with a ringed trunk covered with black hairs when young and a crown of large pinnate leaves. The male and female flowers are borne in the axils of the immense leaves. This palm furnishes sago to a considerable portion of the inhabitants of this island.

For previous introduction see 68109.

136883. BRUGUIERA PARVIFLORA (Roxb.) Wight and Arn. Rhizophoraceae.  

No. 198. From a tidal river flowing into Bai van Dago, Sangi Island, Dutch East Indies, February 1, 1940.

136884. CASSIA ALATA L. Caesalpiniaceae.  

No. 179. From the river bed of Palimbang River, west coast of Mindanao, Philippine Islands, January 26, 1940. A shrub up to 10 feet high, sometimes cultivated as an ornamental, with pinnate leaves 2 feet long and showy yellow flowers. Native to tropical America.

For previous introduction see 123477.

136885. FICUS sp. Moraceae.  

No. 216. From Manado, Celebes, Dutch East Indies, February 16, 1940.

136886. IXORA sp. Rubiaceae.  

No. 215. From the forest on the island of Sangi, on the borders of Dago Bay, Dutch East Indies, February 1, 1940.

136887. (Undetermined.)  

No. 181. From Port Lebak, Mindanao, Philippine Islands, January 25, 1940. A rank climber, with large, glossy, trifoliate leaves. It bears clusters of striking crimson pods 2 inches long and mango-shaped; when the pods open they disclose a single large brown seed with a bright light-orange arillus covering the upper half of the seed ½ the way around.

136888. PASSIFLORA FOETIDA var. HISPIDA (DC.) Killip. Passifloraceae.  

No. 178. From low river land back of Barunayan, western coast of Mindanao, Philippine Islands, January 25, 1940. A trailing vine, hispid throughout, with cordate-trilobate, membranous leaves, small purple flowers, and small, edible, yellow fruits. Native to northwestern South America.

For previous introduction see 114984.

136889. PINANGA sp. Phoenicaceae.  

No. 192. Lindoeng. From Tahoena, Sangi Island, Dutch East Indies, January 30, 1940. A slender palm, 25 feet high, with a stem 3 inches in diameter at the flower cluster; this is more than 2 feet long and bears hundreds of almost black berries, which are round with a pointed apex and ½ inch in diameter. The stain from the ripe fruit is claret red, turning to blue. The branches of the fruit stems are simple, not branched, and tinged with red; the slightly mottled leaves are long with pointed pinnae.

136890. PREMNA sp. Verbenaceae.  

No. 185. From Port Lebak, Mindanao, Philippine Islands, January 25, 1940. Resembles Premna odorata but has almost glabrous leaves.

136891. STERCULIA sp. Sterculiaceae.  

No. 200. From Bai van Dago, Sangi Island, Dutch East Indies, January 31, 1940.
136878 to 136896—Continued.

136892. TABERNAMONTANA sp. Apocynaceae.
No. 225. From Lembeh Island, Minahassa, Celebes, Dutch East Indies, February 13, 1940. A small shrub, bearing white flowers and large red fruits in pairs.

136893. TETRASTIGMA sp. Vitaceae.
No. 204. From Menado, Tana Waneke, Celebes, Dutch East Indies. A climbing vine, growing on the edge of Sonneretia mangrove swamp, with salt water covering its roots at times. It has 3-parted leaves of glossy light green and clusters of somewhat flattened glossy black fruits that are more than \( \frac{1}{2} \) inch across; the fruits are sweet but contain crystals of calcium oxalate.

136894. XYLOCARPUS MOLUCCENSIS (Lam.) M. Roem. Meliaceae.
No. 206. From Port Lebak, Mindanao, Philippine Islands, January 25, 1940. A large tree with dark, flaky bark, compound leaves of two or three pairs of leaflets, and globular fruits about the size of a small orange and hanging on long stems. The wood is hard, heavy, and easily worked. Native to the Old World Tropics.

136895. (Undetermined.)
No. 212. From a sulfur pit on top of Kawah Masem, Minahassa, Celebes, Dutch East Indies, February 8, 1940.

136896. DEERINGIA POLYSPERMA (Roxb.) Moq. Amaranthaceae.
No. 186. From Port Labek, Mindanao, Philippine Islands, January 25, 1940. A shrub with arching branches 3 to 4 feet long, thin, ovate, acuminate leaves and clusters, 2 or 3 inches long, of small, pearly white, almost translucent berries. Native to tropical Asia.

From Panama. Plants presented by the Goodyear Rubber Plantation, Gatun Lake. Received April 29, 1940.

G. V. No. 17.

136898 to 136907. CHAENOMELES spp. Malaceae. Quince.
From Massachusetts. Plants purchased from the Eastern Nurseries, Holliston. Received April 29, 1940.

136898. CHAENOMELES LAGENARIA (Lois.) Koidz. Japan quince.

136899 and 136900. CHAENOMELES.
136899. Grandiflora Semiplena.
136900. Sanguinea Semiplena.
136901. \( \times \) CHAENOMELES SUPERBA f. PERFECTA (Froebel) Rehder.
A form with scarlet flowers and larger and broader leaves than the type.

136902. CHAENOMELES. Versicolor Lutescens.

136903 to 136907. From France. Plants purchased from Grandes Roseraies du Val de la Loire, Orleans. Received April 29, 1940.


136904. CHAENOMELES. Orange.

APRIL 1 TO JUNE 30, 1940

136903 to 136907—Continued.

136906. DIERVILLA. Caprifoliaceae.
   Majesteux.

136907. DIERVILLA RIVULARIS Gattinger.


From Peru. Seeds presented by Prof. Teodoro Boza-Barducci, Estación Experimental Agrícola, Lima. Received April 29, 1940.

A shrub or small tree native to Peru.

For previous introduction see 133056.

136909 to 136911.

From France. Plants presented by L. Levavasseur, Angers. Received April 29, 1940.

136909 and 136910. CHAENOMELES JAPONICA (Thunb.) Lindl. Malaceae.
   Carnea.
   Lavalliensis.

136911. CEANOTHUS. Rhamnaceae.
   Marguerite Andusson.

136912 to 136927.

From France. Trees purchased from Charles Détriché, Angers. Received April 29, 1940.

136912. AMYGDALUS PERSICA L. Amygdalaceae. Peach.
   Belle Beaune.

   Reinette Grise du Grand Faye.

136914 to 136925. PRUNUS spp. Amygdalaceae.
136914. PRUNUS ARMEIACA L. Apricot.
   Péche de Nancy.

136915 to 136918. PRUNUS AVIUM L. Sweet cherry.
   Bigarreau Early Black.
   Bigarreau Gros Coeuret.
   Bigarreau Rouge.
   Ramon Oliva.

136919 and 136920. PRUNUS CERASIFERA Ehrh. Common plum.
136919. One-year seedlings.
136920. Myrobalan.

136921 and 136922. PRUNUS INSITITIA L.
   St. Julien.
   St. Julien de Toulouse.

136923 and 136924. PRUNUS DOMESTICA L. Common plum.
   Reine Claude Diaphane.
   Reine Claude Violette.

136925. PRUNUS INSITITIA L.
   Petite Mirabelle.

136926 and 136927. PYRUS COMMUNIS L. Malaceae. Common pear.
136926. Alexandrine Douillard.
136927. Souvenir Jules Guindon.
PLANT INVENTORY NO. 143

136928 to 136948. From France. Trees purchased from L. Levavasseur, Angers. Received April 29, 1940.

  136928. Châtaignier.
  136929. Fenouillet Gris Anisé.
  136930. Haute Bonté.
  136931. Rambour d'Hiver.
  136932. Reinette de Bretagne.
  136933. Reinette du Roi.
  136934. Reinette Grise du Canada.

136935 to 136943. Prunus spp. Amygdalaceae.
  136935 and 136936. Prunus avium L. Sweet cherry.
    136935. Bigarreau Gros Coeur et.
    136936. Bigarreau Pélissier.
    136937. Cerise Belle de Choisy.
    136938. Griotte du Portugal.
  136939 and 136940. Prunus avium L. Sweet cherry.
    136939. Guigne Noire Hative.
    136940. Guigne Sucrée de Leon Leclerc.

136941 to 136943. Prunus domestica L. Common plum.
  136941. Abbaye d'Arton.
  136942. Reine Claude l'Echoisier.
  136943. Reine Claude Noire.

  136944. Bergamotte d'Été.
  136945. Bézi de Chaumontel.
  136946. Bon Chrétien d'Hiver.
  136947. Figue d'Alençon.
  136948. St. Germain d'Hiver.

136949 to 136959. From France. Plants purchased from Charles Détriché, Angers. Received April 29 1940.

  136949. Alba Plena.
  136950. Coccinea Plena.
  136951. Columbia.
  136952. Eximia.
  136953. Maillardii.
  136954. Nivea.
  136955. Semperflorens.

136956 to 136959. Diervilia. Caprifoliaceae.
  136956. Beranger.
  136957. Grandiflora.
  136958. Hortensis Floribunda
  136959. Venosa.
From the Union of Soviet Socialist Republics. Seeds presented by the Botanic Garden University of Middle Asia, Tashkent. Received April 17, 1940.


136961 to 136970. ALLIUM spp. Liliaceae.

136961. ALLIUM AFLATUNENSE B. Fedtsch.
A large allium with broad-oblong leaves and umbels of purple flowers on a scape up to 4 feet high. Native to Turkistan.
For previous introduction see 113869.

136962. ALLIUM BARSCZEWSKII Lipsky.
A hardy bulbous plant which may be of ornamental value. Native to western Russia.
For previous introduction see 73943.

136963. ALLIUM CEPÁ L.
Onion.

136964. ALLIUM CRISTOPHI Trautv.
An allium of the Molium section, with a large dense umbel of deep-lilac flowers. Native to Turkistan.
For previous introduction see 112853.

136965. ALLIUM INCONSPICUUM Vved.

136966. ALLIUM JESDIANUM Boiss. and Buhse.
A pink-flowered onion about 2 feet high, with flat linear leaves and a many-flowered umbel. Native to the mountains of Caucasus.
For previous introduction see 107484.

136967. ALLIUM OLIQANTHUM Kar. and Kir.

136968. ALLIUM SCHUBERTII Zucc.
A large bulbous plant native to Asia Minor and Iran, with broadly strap-shaped leaves and dull rose-colored flowers in huge rather open subglobose heads, which are at times a foot in diameter.
For previous introduction see 124947.

136969. ALLIUM SEWERZOWI Regel.
An onion with a scape about 6 inches high and linear-lanceolate leaves slightly exceeding the scape. The rosy-lilac flowers are in a hemispherical umbel. Native to Turkistan.
For previous introduction see 107485.

136970. ALLIUM SUWOROWI Regel.
A hardy bulbous plant with very narrow flat leaves up to 16 inches long, and hemispherical umbels of fragrant violet-rose flowers. Native to the Kirghis Desert, Turkistan.
For previous introduction see 115061.

136971. ALTHAEA LITWINOWI Iljin. Malvaceae.
A hardy herbaceous althaea with solitary or few stems, ovate to orbicular leaf blades, 3-lobed or almost entire, and pale-violet flowers with sulfur or rarely whitish bases arranged singly in axils or few in racemes. A hybrid found in Turkistan, between Althaea nudiflora and A. rhyticarpa.

136972. ALYSSUM sp. Brassicaceae.
Introduced as Alyssum minimum Willd., a name without botanical standing.

136973. ALYSSUM SZOVITSIANUM Fisch. and Mey.
An annual yellow-flowered alyssum from southeastern Europe, about a foot high, with oblong-linear leaves and pods sometimes 1 inch long.
For previous introduction see 107489.
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136960 to 137011—Continued.

136974. ARUM MACULATUM L. Araceae.

An arum from Asia Minor about 1 foot high with brownish, broadly hastate-sagittate leaves. The spathe tube is oblong ovoid, white within, with the limb intense black purple. A perennial herb related to Arum orientale.

For previous introduction see 106462.

136975. ARUM KOROLKOWI Regel.

A perennial herb.

136976. ASPARAGUS BRACHYPHYLLUS Turcz. Convallariaceae.

A perennial asparagus with flexuose, branching stems up to 1% feet high, and scalelike leaves. Native to Turkistan.

136977. BERBERIS sp. Berberidaceae.


A spineless form of the caper of commerce.

For previous introduction see 62662.

136979. COTONEASTER IGNAVA E. L. Wolf. Malaceae.

A hardy ornamental shrub about 5 feet high, native to eastern Turkistan. The oval-orbicular leaves are about an inch long, and the dark-purple fruits are in rather dense pendulous clusters.

For previous introduction see 77859.

136980. CUCUMIS TRIGONUS Roxb. Cucurbitaceae.

A species similar to Cucumis melo, but with a perennial root. The fruit, about 1% inches long, is ellipsoid, obovoid, round, or obscurely trigonous.

136981. DELPHINIUM LONGIPEDUNCULATUM Regel and Schmalh. Ranunculaceae.

A perennial larkspur with rounded-cordate, palmately lobed leaves and long-stalked azure-blue flowers in lax racemes. Native to the mountains of Turkistan.

For previous introduction see 107522.

136982. EPHEDRA CILIATA C. A. Mey. Gnetaceae.

136983 to 136987. EREMURUS spp. Liliaceae.

136983. EREMURUS BUCHARICUS Regel.

An eremurus with long linear leaves and a scape about 3 feet high bearing a lax raceme of many white flowers with reddish central stripes. Native to Turkistan.

136984. EREMURUS COMOSUS O. Fedtsch.

An eremurus with linear leaves 1% feet long and a tall, slender scape with a raceme about 1% feet long. The narrow, campanulate, rosy flowers have greenish bases. Allied to Eremurus spectabilis. Native to Turkistan.

136985. EREMURUS OLGAE Regel.

A hardy herbaceous perennial with white flowers, produced in dense racemes. Native to Turkistan.

For previous introduction see 116197.

136986. EREMURUS REGELLI Vved.

An eremurus with long linear leaves and a dense elongate raceme of brown flowers with white-margined perianth segments. This species has been confused with Eremurus turkestanicus. Native to Turkistan.

136987. EREMURUS STENOXYLLUS (Boiss. and Buhse) Baker.

An eremurus, with linear leaves ½ foot long, a scape 1½ feet high, and a dense raceme, 3 or 4 inches long, of yellow flowers. Native to Iran.

136988. FRITILLARIA RADDEANA Regel. Liliaceae.

A fritillaria, with a fleshy stem about 1 foot high, lanceolate leaves 4 inches long, and umbels of greenish-yellow flowers 2 inches across. Allied to Fritillaria imperialis. Native to Turkistan.
**136960 to 137011—Continued.**

**136989.** *Fritillaria sewertzowi* Regel.

A bulbous plant, with numerous ovate to lanceolate leaves up to 4 inches long and a terminal raceme of 5 to 12 purplish-green flowers. Native to Turkistan.

For previous introduction see 115074.

**136990.** *Hyacinthus atroviolaceus* (Regel) Macbride. Liliaceae.

A hyacinth, with four to six linear ligulate leaves 4 to 8 inches long and a dense oblong raceme of dark-violet flowers on a scape about the same length as the leaves. Native to Bokhara.

For previous introduction see 107548.

**136991 to 136993.** *Iris* spp. Iridaceae.

**136991.** *Iris Orchioides* Carr.

A Juno iris with about six lanceolate leaves up to 9 inches long and a 3- to 6-headed stem, often a foot high. The bright-yellow falls have purple blotches on each side of the crest.

For previous introduction see 122991.

**136992.** *Iris stolonifera* Maxim. (*Iris leichtlini* Regel).

For previous introduction see 122994.

**136993.** *Iris* sp.

**136994.** *Juniperus seravschanica* Kom. Pinaceae.

A juniper up to 50 feet high, with a dense ovoid or conical crown. Related to *Juniperus sabina*. Native to Turkistan.

**136995.** *Leontice eversmanni* Bunge. Berberidaceae.

A herbaceous perennial about 1 foot high, with pinnatisect leaves and terminal racemes of small yellow flowers. Native to Turkistan.

For previous introduction see 112856.

**136996.** *Linum heterosepalum* Regel. Linaceae.

A perennial with erect stems more than a foot high, ovate-lanceolate leaves, and corymbs of rather large yellow flowers. Native to Turkistan.

For previous introduction see 110136.

**136997.** *Lonicera arborea* Boiss. Caprifoliaceae.

A shrub up to 10 feet high with broad-ovate to ovate-oblong leaves 3\(\frac{3}{4}\) to 1\(\frac{1}{2}\) inches long and reddish-white flowers. Native to the western Mediterranean region.

**136998.** *Lonicera microphylla* Wild.

A small, erect, much-branched shrub, with oblong or obovate leaves \(\frac{1}{2}\) to \(\frac{3}{4}\) inch long and small upright or nodding, yellowish-white flowers followed by orange-red berries. Native to the Himalayan region.

For previous introduction see 126323.

**136999.** *Peganum harmala* L. Zygophyllaceae.

A shrub common in dry soil in Turkey and Turkistan.

For previous introduction see 110082.

**137000.** *Pistacia vera* L. Anacardiaceae. Pistachio.


A stout herb, with a solitary branching stem up to 3 feet high, large rotund leaves, and broad fruits about 1 inch long. Related to *Rheum ribes*. Native to Turkistan.

**137002.** *Rheum turkestanicum* Janischew. Polygonaceae.

A wild rhubarb from the Transcaucasian region, more than 2 feet high, with a large thick rhizome and a short, thickened, densely leafy stem. The cordate-reniform leaves, up to 8 in number, are about a foot wide.

For previous introduction see 112050.
30 PLANT INVENTORY NO. 143

136960 to 137011—Continued.

137003. **SACCHARUM SPONTANEUM** L. Poaceae. Grass.

137004. **SILENE BRAHUICA** Boiss. Silenaceae.

A tufted perennial, with erect, simple or branching stems, and linear subulate leaves about 1 inch long. Native to Afghanistan.

137005. **SPINACIA TETRANDRA** Stev. Chenopodiaceae.

A wild spinach that grows in heavy soil in central Asia.

For previous introduction see 104661.


An annual sea-lavender, with pinnate, mucronate leaves and lax, filiform spikes of small, white flowers. Native to Turkistan.

137007. **TRAGOPOGON KRASCHENINNIKOVII** Nikitin. Cichoriaceae.

A biennial 1 to 2 feet or sometimes taller, with linear leaves and large heads of violet flowers. Native to Turkistan.

137008. **TRAGOPOGON MAJOR** Jacq.

A hardy biennial up to 6 feet high, with yellow flower heads. Native to Europe.

137009 to 137011. **UNGERNIA** spp. Amaryllidaceae.

137009. **UNGERNIA SEWERZOWI** (Regel) B. Fedtsch.

A bulbous plant from Turkistan, with 8 to 12 linear, bluish, two-ranked leaves and pinkish or yellowish flowers borne on a stem about a foot high.

For previous introduction see 107593.

137010. **UNGERNIA TADSHIKORUM** Vved.

An amaryllid, with lorate leaves, a scape ½ to 1 foot high, and an umbel of 6 to 15 flowers, the center ones erect and the outer inclined. The perianth, 1 inch long or more, has reddish segments. The funnel-shaped tube is naked at the throat. Native to Turkistan.

137012 to 137015. **ALLIUM SATIVUM** L. Liliaceae. Garlic.

From Iran. Bulbs collected by Walter Koelz, Bureau of Plant Industry, United States Department of Agriculture. Received April 30, 1940.

137012. No. 5208. Sir. From Bandar Abbas, December 20, 1939. Suited to hot localities with alkaline soil.

137013. No. 5287. Sir. From Saidabad, Kirman, January 1, 1940. Adapted to regions with mild winters.

137014. No. 5515. Sir. From Tomogaon, February 6, 1940. Grown in a hot date-growing country.


137016. **QUERCUS** sp. Fagaceae. Truffle oak.

From France. Trees purchased from Leopold Laval, Loupchat, par Martel. Received April 30, 1940.

137017. **DIERVILLA.** Caprifoliaceae.

From Switzerland. Plants presented by Pépinières Bocard, Petit Saconnex, Geneva. Received April 30, 1940.


From Greece. Seeds presented by Prof. P. T. Anagnostopoulos, École Supérieure d’Agriculture, Athens. Received April 17, 1940.
137019. × 

**PHILADELPHUS LEMOINEI** Lemoine. 

**Hydrangeaceae.**  

**Lemoine mockorange.**

From Ohio. Plants presented by H. Kohankie & Son, Painesville. Received April 19, 1940.

Var. **Erectus.**

137020. **CITRUS GRANDIS** (L.) Osbeck. **Rutaceae.**  

**Grapefruit.**

From Mexico. Seeds presented by Dr. Narciso Souza-Novelo, Merida, Yucatán. Received May 2, 1940.

*Red Pomelo.*

137021 and 137022.

From Australia. Seeds purchased from Law, Somner Pty., Ltd., Melbourne. Received April 25, 1940.

- 137021. **TRIFOLIUM ALEXANDRINUM** L. **Fabaceae.**  

**Berseem.**

- 137022. **TRIFOLIUM FRAGIFERUM** L. **Clover.**  

*Benbecula Strawberry.*

137023 to 137080.

From Switzerland. Trees purchased from Pépinières Boccard, Geneva. Received April 30, 1940.

- 137023 to 137035. **AMYGDALUS PERSICA** L. **Amygdalaceae.**  

**Peach.**

- 137023. **Dugelay.**
- 137024. **Girerd No. 2,**
- 137025. **Girerd No. 4,**
- 137026. **Julie Treyve,**
- 137027. **Mignonette Lepère,**
- 137028. **Pêche Fragnire,**
- 137029. **Pêche de Syrie,**
- 137030. **Président Cardinaux,**
- 137031. **Président Luizet,**
- 137032. **Trionfo Liscio,**
- 137033. **Valla,**
- 137034. **Vérot,**
- 137035. **Vineuse de Fromenthal,**

- 137036 to 137058. **MALUS SYLVESTRIS** Mill. **Malaceae.**  

**Apple.**

- 137036. **Antonowka Kamenithka,**
- 137037. **Banziger,**
- 137038. **Calville Glorie de Douai,**
- 137039. **Calville d'Oberrieder,**
- 137040. **Châtaigne du Léman,**
- 137041. **Edelgravench,**
- 137042. **Euzia,**
- 137043. **Fischer Apfel,**
- 137044. **Glockenapfel,**
- 137045. **Nouvelle France,**
- 137046. **Préfet Goulet,**
- 137047. **Prince Nicolas,**
- 137048. **Reinette Courthay,**
- 137049. **Reinette Jamain,**
- 137050. **Reinette Sanguine du Rhin,**
- 137051. **Reinette Verte de Versailles,**
- 137052. **Reinette Vignat,**
- 137053. **Rouge de Juvigny,**
- 137054. **Royale d'Angleterre,**
- 137055. **Surprise,**
- 137056. **Surprise Reinette,**
- 137057. **Thai Pippin,**
- 137058. **Tobiasler,**

- 137059 to 137070. **PRUNUS** spp. **Amygdalaceae.**  

**Apricot.**

- 137059 and 137060. **PRUNUS ARMEMIACA** L.  

- 137059. **Bergeron,**
- 137060. **Précoce de Boulbon,**

- 137061. **PRUNUS MAHALEB** L.  

**Mahaleb cherry.**

*Mahaleb Pendula.*
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137023 to 137080—Continued.


137062. *Bigarreau d’Ecully.*

137063. *Bigarreau Gros Rouge.*

137064 and 137065. *Prunus cerasus* L. Sour cherry.

137064. *Cerise du Rhîghi.*

137065. *Noire Bocard.*

137066 to 137070. *Prunus domestica* L. Common plum.

137066. *Andrières.*

137067. *Belle Lygusienne.*

137068. *Bérudge.*

137069. *Favorie Précoce.*

137070. *Reine Claude de Pont-briand.*


137071. *Alexandrine Mas.*

137072. *Bergamotte La Gantoise.*

137073. *Doyenné de Montjean.*

137074. *Fauvanelle.*

137075. *Louise Bonne Sannier.*

137076. *Madame Ly6 Ballet.*

137077. *Nouvelle Fulvie.*

137078. *Président Hardy.*

137079. *Président Mas.*

137080. *Triomphe de Touraine.*

137081 to 137086. From England. Plants purchased from Hillier & Sons, Winchester. Received May 1, 1940.


137081. *Atropurpurea.*

137082. *Flore Pleno.*


A shrub 8 feet or higher, with lanceolate to narrow-ovate leaves 1½ to 4 inches long and pendulous white flowers, tinged with pink, in slender panicles, often compound and about a foot long. Native to the Philippines and Formosa.

For previous introduction see 132365.

137084. *Deutzia scabra* Thunb. 

*Macrocephala.*


*Looymansii.*


137087 to 137111. From Belgium. Trees purchased from Pépinières Armand op de Beeck, Putte-lez Malines. Received May 1, 1940.

137087 and 137088. *Amygdalus persica* L. Amygdalaceae. Peach.

137087. *Grosse Mignonne Violette.*

137088. *Triomphe de St. Laurent.*


137089. *Beauty of Kent.*

137090. *Bellefleur Double.*

137091. *Bon Pommier.*

137092. *Calville des Prairies.*

137093. *Northern Dumplin.*

137094. *Notaire.*

137095. *Seedling of Windsor.*
APRIL 1 TO JUNE 30, 1940

137087 to 137111—Continued.

137096 to 137108. **Prunus** spp. Amygdalaceae.

137096 to 137099. **Prunus armeniaca** L. Apricot.
   137096. Chauteaubriand.
   137097. Du Chancelier.
   137098. Gros Précoces.
   137099. Précoces de Montplaisir.

137100 to 137103. **Prunus avium** L. Sweet cherry.
   137100. Bigarreau Blanc.
   137101. Bigarreau Goosens.
   137102. Bigarreau Noir.
   137103. Bigarreau Rose.

   Cerise Lemercier.

137105. **Prunus avium** L. Guigne Hative de St. Trond.

137106 to 137108. **Prunus domestica** L. Common plum.
   137106. Abricot Double.
   137107. Altesse Double.
   137108. Drap d’Or d’Esperen.

137109 to 137111. **Pyrus communis** L. Malaceae. Common pear.
   137109. Ananas de Courtrai.
   137110. Beurré Dilly.
   137111. Madame Gilleskins.

137112 to 137116. **Avena byzantina** Koch. Poaceae. Oats.
From Australia. Seeds presented by H. Wenholz, Department of Agriculture, Sydney, New South Wales. Received April 26, 1940.

137113. Fulghum 6 A. W. 2908.
137114. Fulghum W. 3083.

137117 to 137125. **Phaseolus vulgaris** L. Fabaceae. Common bean.
From Canada. Seeds presented by the McFayden Seed Co., Winnipeg, Manitoba. Received April 30, 1940.

   Pole beans, from Lowe Farm, Manitoba.

137118 to 137125. **Pisum sativum** L. Fabaceae. Pea.
   137119. Gray’s. From Blackfoot, Alberta.
   137120. Poultes. From Newlandia, Alberta.
   137121. Windsor. From Norwood, Manitoba.
   137122. From Lucky Lake, Saskatchewan.
   137123. From Waskatenau, Alberta.
   137124. Belgium Sugar. From Fairholme, Saskatchewan.

879385—50—3
137126 to 137141. CINCHONA spp. Rubiaceae.
From Brazil. Seeds presented by C. A. Krug, Instituto Agronómico do Estado, Campinas, São Paulo. Received May 3, 1940.

137126 to 137132. CINCHONA OFFICINALIS L.
Nos. 137126 to 137129 were collected by Alcides Carvalho in Bolivia.
137126. No. 3514. Vera. From Calabatéa.
137130. No. 3526. From cinchona plantation, Jamaica.
137131. No. 3527. From cinchona plantation, Jamaica.
137132. No. 3811. Collected by Alcides Carvalho in Quito, Ecuador.

137133 to 137138. CINCHONA PUBESCENS Vahl. (Cinchona succirubra Pav.).
137133. No. 3528. From cinchona plantation, Jamaica.
Nos. 137134 to 137138 were collected by Alcides Carvalho.
137134. No. 3703. From Lima, Peru.
137135. No. 3704. From Lima, Peru.
Nos. 137136 to 137138 were from Quito, Ecuador.
137136. No. 3803.
137137. No. 3804.
137138. No. 3810.

137139 to 137141. CINCHONA spp. Rubiaceae.
Collected by Alcides Carvalho in Lima, Peru
137139. CINCHONA sp.
No. 3705.
137140. CINCHONA sp.
No. 3706.
137141. CINCHONA sp.
No. 3707.

137142 to 137147. TRIFOLIUM PRATENSE L. Fabaceae. Red clover.
From Wales. Seeds purchased from the Welsh Plant Breeding Station, Aberystwyth. Received April 23, 1940.
137142. Aberystwyth S. 128.
137143. Cotswolds Late Flowering.
137144. True Wild.
137145. Montgomery Late Flowering.
137146. Vale of Clwyd.
137147. English Broad.

137148 to 137152. TRIFOLIUM PRATENSE L. Fabaceae. Red clover.
From Canada. Seeds presented by the Central Experimental Farm, Ottawa. Received April 26, 1940.
137148. Altaswede.
137149. Dollard.
137150. Manhaidy.
137151. Ontario Mammoth.
137152. Ottawa.

137153 to 137159. PHILADELPHUS spp. Hydrangeaceae.
From Illinois. Plants purchased from the Naperville Nurseries, Naperville. Received May 6, 1940.
137153. PHILADELPHUS CORDIFOLIUS Lange.
APRIL 1 TO JUNE 30, 1940

137153 to 137159—Continued.

137154 to 137156. Philadelphus coronarius L.  
137154. Flore Pleno.  
137155. Grandiflorus.  
137156. Nanus.

Sweet mockorange.

For previous introduction see 136379.

137157. Philadelphus gordonianus Lindl.

137158. × Philadelphus lemoinei Lemoine.  

Lemoine mockorange.

137159. × Philadelphus nivalis Jacques.

137160 to 137162.

From Mexico. Cuttings presented by S. W. Parish, Merida, Yucatán. Received May 6, 1940.

137160. Jasminum sp. Oleaceae.  
Flore de India.


137161. Amarilla. (Golden yellow.)
137162. Roja. (Very dark red.)


From Mexico. Seeds presented by Dr. Narciso Souza-Novelo, Merida, Yucatán. Received May 2, 1940.

No. 86. A slender vine, with long-petiolate, ovate-cordate, acuminate leaves and cymes of small flowers with broad-campanulate, black-reticulate corollas. Endemic in Yucatán.

137164. Pistacia terebinthus L. Anacardiaceae.  
False terebinth.


Collected in the eastern Mediterranean region.

For previous introduction see 135919

137165 to 137188.

From Sweden. Seeds presented by Algot Holmberg and Söner, Norrköping. Received April 25, 1940.

137165 to 137173. Lupinus spp. Fabaceae.  
Lupine.

137165 to 137170. Lupinus angustifolius L.

137165. Free from bitter principle; purple foliage.  
Nos. 137166 to 137170. From Corsica. Growing wild.

137166. No. 1.  
137167. No. 2.  
137168. No. 3.  
137169. No. 4.  
137170. No. 5.

For previous introduction see 133479.

137171. Lupinus hirsutus L.  
European blue lupine.

From Japan. An ovate-leaved lupine used for forage and green manure.

For previous introduction see 89545.

137172. Lupinus luteus L.  
European yellow lupine.

Ordinary yellow type.

For previous introduction see 133480.

From Australia. A hairy annual 2 to 4 feet high, with compound leaves of 9 to 11 oblong-lanceolate leaflets and a raceme of rose-colored flowers arranged in whorls. It is native to southern Europe.

For previous introduction see 127649.

137174 to 137184. *pisum sativum* L. Fabaceae. Pea.


137175. *Concordia*. Used for food.


137180. *Ostgota*. A green pea used for food.

137181. *Ostgota*. A yellow pea used for food.


137183. *Solo*. Used for fodder.

137184. *Torsdag II*. Used for food.

137185 to 137188. *Vicia* spp. Fabaceae.

137185 to 137187. *Vicia sativa* L. Common vetch.

137185. Gray variety.

137186. Small variety.

137187. Sweet variety.


Winter vetch.

For previous introduction see 122741.


From Palestine. Budsticks presented by Dr. Y. Carmon, Agricultural Research Station, Rehoboth. Received May 8, 1940.

*Shamuti* orange.


From China. Scions presented by Peter Liu. Received May 8, 1940.

Collected March 7 and 8, 1940.

137190. No. 14. From Shen Kuan Ying village, northwest of Luan Chow. A young tree 15 years old with a trunk about 12 feet high.

137191. No. 15. From an orchard near Shen Kuan Ying village, northwest of Luan Chow. A tall tree 25 years old with a trunk about 10 feet high.

137192. No. 16. From an orchard north of Shen Kuan Ying, village northwest of Luan Chow. Tree 20 years old.

137193. No. 17. From an orchard between Shen Kuan Ying and Tsui Ke Chuang village. A young tree with a trunk 8 feet high.

137194. No. 18. Scions from same location and type of tree as No. 17.


137196. No. 20. From north of Tsui Ke Chuang. A straight, healthy tree 10 years old with a trunk between 8 and 9 feet high.
137190 to 137203—Continued.

137197. No. 21. From an orchard north of Tsui Ke Chuang. A young tree with a trunk 9 feet high.

137198. No. 22. From an orchard north of Tsui Ke Chuang. A straight tree 10 years old with a trunk about 9 feet high.

137199. No. 23. Scions from the same location and type of tree as No. 22.

137200. No. 24. From the same location as No. 22.

137201. No. 25. From an orchard north of Tsui Ke Chuang.


137203. No. 27.

137204 to 137213.

From the Dutch East Indies and the Philippine Islands. Seeds collected by the Fairchild-Archbold Expedition. Received April 10, 1940.

Unless otherwise stated, all seeds are from the Dutch East Indies.

137204. ALPINIA sp. Zingiberaceae.

No. 174. From Port Lebek, Mindanao, Philippine Islands, January 25, 1940. A tall species, with broad leaves and an inflorescence of drooping, bell-shaped white flowers that are followed by numerous scarlet fruits 1½ inches through. The angular dark-brown seeds are enclosed in a papery covering.

137205 to 137208. ARECA spp. Phoenicaceae. Palm.

137205. ARECA CATCHEU L. Betel palm.

No. 211. From the village of Pananaroe on Bai van Dago, Sangi Island, January 30, 1940. For previous introduction see 135423.

137206. ARECA sp. No. 191. From Jahoena Bay, Sangi Island, January 29, 1940. The "Kanesu" feather palm has a straight slender trunk 40 feet or more high, tapering gradually from a base of 1½ feet in diameter to 6 inches at the top. The attractive leaf sheaths are more than 4 feet long without any bulge at the base. The fruit clusters are 2½ feet and bear 60 to 100 lacquer-red fruits 2 inches long.

137207. ARECA sp. No. 201. From Mount Tomato, Siaoe Island, February 3, 1940. A solitary palm 25 feet high and 6 feet in diameter, with stilt roots 4 to 12 feet long in a dense mass 3 to 6 feet across at the ground. The leaves are 6 to 8 feet long, with broad pinnae 4 to 7-nerved, with pointed tips, and leave prominent scars. The fruit clusters appear in the leaf axils when the leaf falls.

137208. ARECA sp. No. 219. From Mount Klabet, Minahassa, Celebes, February 15, 1940. A stilt palm with orange leaf sheaths; the fruits and fruit stems are lacquer red with the stems more orange than the fruits.

137209. MIMUSOPS KAUKEI L. Sapotaceae. Screwpinne.

No. 203. From the shore of Siaoe Island, February 4, 1940. "Kajoe Sae" of the Javanese. The tree has glossy green foliage and bright-red fruits; prefers moist or wet soils.

137210. PANDANUS sp. Pandanaceae. Screwpinne.


137211. PINANGA sp. Phoenicaceae. Palm.

No. 207. From Minahassa, Celebes, February 7, 1940. A solitary palm 20 feet high, with a trunk 3 inches in diameter and leaves 5 feet long, with the lower part of the midrib turning red in sunlight. The leaf sheaths are dull orange. When only 3 feet tall the decorative clusters of black fruit are borne on red stems.

137212. PINANGA sp. Palm.

No. 209. From the slopes of Sopoetan, Mount Minahassa, Celebes, February 7, 1940. A solitary palm up to 40 and 50 feet high and 6 inches in diameter, irregular
in growth. The leaf sheaths are dark green flecked with brown specks; the leaves resemble those of *Pinanga insignis*, with simple pinnae that have 2 prominent veins 2½ feet long. The fruits, greenish when unripe, turn black when ripe and are in clusters 18 inches by 1 foot and crowded very closely with male flowers.

137213. **Zingiber sp.** Zingiberaceae.

   No. 221. From Mount Klabat, Minahassa, Celebes, February 15, 1940. A tall species 6 to 8 feet high, with leaves 12 to 18 inches long and 3 inches wide. From the bases of the tall stems rise short stems with brilliant-red flower heads and fruits. The pulp in which the seeds are embedded is edible.

137214 to 137458. **Malus sylvestris** Mill. Malaceae. Apple.

   From England. Layers presented by R. C. Hatton, Director, East Malling Research Station, East Malling, Kent. Received May 10, 1940.

   Nos. 137214 to 137230.

   1/80 Mailing No. I × Northern Spy.

   137214. No. 1.
   137215. No. 2.
   137216. No. 3.
   137217. No. 4.
   137218. No. 6.
   137219. No. 9.
   137220. No. 10.
   137221. No. 12.
   137222. No. 13.

   Nos. 137231 to 137258.

   1/81 Mailing No. I × Northern Spy.

   137231. No. 1.
   137232. No. 2.
   137233. No. 4.
   137234. No. 5.
   137235. No. 6.
   137236. No. 7.
   137237. No. 8.
   137238. No. 9.
   137239. No. 10.
   137240. No. 11.
   137241. No. 12.
   137242. No. 13.
   137243. No. 15.
   137244. No. 16.
   137245. No. 17.

   Nos. 137259 to 137303.

   2/80 Mailing No. II × Northern Spy.

   137259. No. 1.
   137260. No. 2.
   137261. No. 3.
   137262. No. 4.
   137263. No. 5.
   137264. No. 6.
   137265. No. 7.
   137266. No. 8.
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Nos. 137346 to 137360.
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137214 to 137458—Continued.

Nos. 137433 to 137458.

An 4/31 Northern Spy × Malling No. II.

From Argentina. Seeds presented by Lorenzo R. Parodi, Buenos Aires. Received April 4, 1940.
A perennial cultivated in the botanic garden of the University of Buenos Aires. For previous introduction see 76883.

137460 to 137473. ZEA MAYS L. Poaceae. Corn.
From Peru. Seeds presented through Dr. T. H. Goodspeed, University of California, Berkeley, California. Received May 14, 1940. Unless otherwise stated seeds were collected from Kaira, Cuzco.
PLANT INVENTORY NO. 143

137460 to 137473—Continued.

137471. No. 2. Saca. From Ayusbamba, Cuzco.
137472. No. 11. Saca.


From Mexico. Seeds presented by C. F. Edmunds, Los Mochis, Sinaloa. Received May 9, 1940.

137475. Ficus. Moraceae. Fig.

From India. Cuttings presented by the Government Botanic Garden, Lal-Bagh, Bangalore, Government of Mysore. Received May 14, 1940.


From Norway. Tubers presented by Aufin Turbibo, Balestrand, Bergen. Received May 15, 1940.

137476. Kers Pink.
137477. King George.
137478. Marius.


From the Netherlands. Plants purchased from J. Abbing and Zonen, Zeist. Received May 16, 1940.

137479. Lutescens.
137480. Sulphurea Perfecta.


From India. Cuttings presented by T. S. Venkatraman, Imperial Sugarcane Station, Lawley Road, Coimbatore. Received May 16, 1940.

137481. Dhaulu.
137482. Kewali.

137483. Passiflora sp. Passifloraceae.

From Colombia. Seeds presented by Parra Rojas, Bogotá, through Harvey Berman Cleveland, Ohio. Received May 14, 1940.

137484. Centaurea sp. Asteraceae.

From Afghanistan. Seeds collected by Walter Koelz, Bureau of Plant Industry, United States Department of Agriculture. Received February 5, 1940.

No. 4572. From Shanbashak Pass, August 31, 1939. A plant 18 inches high, common in fields and collected for fodder.


From Portugal. Cuttings presented by Dr. Antonio G. Barjona de Freitas, Estação Agronómica Nacional, Alcobaca. Received May 20, 1940.

137485. Cordovil.
137486. Galega.
137487. Mancanilha.
137488. Verdeal.


From Canada. Plants presented by the Central Experimental Farm, Ottawa. Received May 20, 1940.

137489. Borden.
137490. King.
137491. **GLYCINE MAX (L.) Merr. Fabaceae**  
**Soybean.**
From Poland. Seeds presented by Dr. Oswald Kofler, Czortkow. Received May 21, 1940.

*Early of Wilno.* A brown-seeded variety developed by Dr. Jan Muszynski, Professor at the University of Wilno, Northeast Poland, north latitude 54° 40'. This variety resembles the *Early Ogema* or *Ogema* grown to a small extent in the northern United States and southern Canada.

137492. **PASPALUM NOTATUM** Fluegge. Poaceae.  
**Bahia grass.**
From Costa Rica. Seeds presented by J. Alfredo Quiros, San José. Received May 17, 1940.

A tropical-American perennial grass used for forage and for erosion control.
For previous introduction see 133433.

137493. **LOLIUM PERENNE L.** Poaceae.  
**Perennial ryegrass.**
From South Australia. Seeds presented by the Waite Agricultural Research Institute, Glen Osmond. Received May 17, 1940.

Certified New Zealand Mother.

137494 to 137508.

From England. Plants purchased from Hillier & Sons, Winchester. Received May 23, 1940.

137494 to 137496. **RHODODENDRON spp.** Ericaceae.  
137494. **RHODODENDRON PENTAPHYLLUM** Maxim.  
**Fivelflower azalea.**

A deciduous shrub up to 25 feet high, with usually five elliptic-lanceolate leaves at the ends of the branches. The rose-pink flowers, 1 to 2 inches across, are solitary or in twos, appearing before or with the leaves, which turn orange or crimson in the autumn. Native to Japan.

For previous introduction see 131926.

137495. **RHODODENDRON TOSAENSE** Makino.

A semi-deciduous shrub 3 to 5 feet high, with lanceolate to oblanceolate leaves 1/4 to 1 1/2 inches long and lilac-purple flowers, solitary or in clusters of 2 to 6. The leaves change to purple crimson in autumn. Allied to *R. indicum*. Native to Japan.

137496. **RHODODENDRON WEYRICHI** Maxim.

A deciduous shrub up to 15 feet high, native to Japan and China. The broadly ovate to rhombic leaves, 1 to 3 inches long, are in clusters of 2 or 3 at the tips of the branchlets and turn vinous purple in autumn. The rotate-funnelliform red flowers, 1 to 3 inches across, appear before or with the leaves.

For previous introduction see 117073.

137497 to 137508. **RUBUS spp.** Rosaceae.

137497. **RUBUS AMABILIS** Focke.

A raspberry with slightly prickly stems up to 6 feet high, pinnate leaves, the 7 to 9 leaflets ovate to ovate-lanceolate, incisedly double-serrate, and solitary, white, nodding flowers 2 inches across followed by large, red, edible fruits. Native to western China.

137498. **RUBUS sp.**

A tall-climbing rubus, with leathery leaves variable in shape and large panicles of white flowers followed by small red fruits. Native to New Zealand.

For previous introduction see 125150.

137499. **RUBUS BIFLORUS** Smith.

A rambling shrub, with large leaves, woolly beneath, and subacid yellow berries about the size of a thimble. Native to the Himalayas.

For previous introduction see 136135.
137500. **Rubus cissoides var. pauperatus** T. Kirk.

*Tataramoa*. An attractive rambling shrub, with intricate branches covered with small spines and leaves reduced almost to prickly midribs. Native to New Zealand.


For previous introduction see 30167.

137502. **Rubus fruticosus** L. Blackberry.

For previous introduction see 110264.

137503. **Rubus henryi** Hemsl. and Kuntze.

A handsome evergreen species of graceful habit, with trailing shoots 10 to 15 feet long. The compound leaves, 4 to 6 inches long, are covered beneath with a white felt; the pink flowers are about $\frac{3}{4}$ of an inch across; and the fruits are shining black. Native to central and western China.

For previous introduction see 59277.

137504. **Rubus illecebrosus** Focke. Woolly raspberry.

A dwarf prickly undershrub, 2 to 4 feet high, with pinnate leaves made up of five to seven oblong-lanceolate doubly serrate leaflets, and small clusters of large white flowers nearly 2 inches across, followed by large, edible, scarlet fruits. Native to Japan.

For previous introduction see 92297.

137505. **Rubus lasiostylus** Focke.

A wild raspberry from western China, with blue-white bristly stems, small pinnate leaves silvery beneath, magenta flowers, and rose-colored woolly fruits that are sweet but said to be of little use for eating.

For previous introduction see 99705.


A stout shrub 10 feet high with palmate leaves and small red fruits.

For previous introduction see 121631.

137507. **Rubus parkeri** Hance.

A climbing shrub, 6 to 15 feet high, native to central and western China at an altitude of approximately 2,000 feet. The small white flowers, in dense panicles, are followed by black fruits with few drupelets.

For previous introduction see 26273.

137508. **Rubus spectabilis** Pursh.

For previous introduction see 126839.

137509 to 137547.

From France. Plants purchased from Pépinières Barbier & Cie., Orleans. Received May 23, 1940.

137509 to 137524. **Chaenomeles**. Malaceae. Quince.

137509. *Alba*.

137510. *Alba Grandiflora*.

137511. *Atroccoccinea*.

137512. *Aurora*.

137513. *Candidissima*.

137514. *Coquelicot*.

137515. *Ecarlata*.

137516. *Falconnet-Charlet*.

137517. *Incendie*.

137518. *Macrocarpa*.

137519. *Maulei*.

137520. *Nivea Extus Coccinea*.

137521. *Rosea Plena*.

137522. *Sanguinea Plena*.

137523. *Sargentii*.

137524. *Umbilicata*. 

137525. *Falconnet-Charlet*.
137509 to 137547—Continued.

137525 to 137530. Deutzia spp.  Hydrangeaceae.
    137525. × Deutzia carnea var. lactea (Lemoine) Rehder.
    137526. × Deutzia magnifica var. erecta (Lemoine) Rehder.
    137527. × Deutzia magnifica var. formosa (Lemoine) Rehder.
    137528. × Deutzia magnifica (Lemoine) Rehder.

    Gracillima.
       For previous introduction see 132316.

    137529. × Deutzia rosea var. campanulata (Lemoine) Rehder.
       A variety with white flowers about 1 inch across.
       For previous introduction see 132353.

    137530. × Deutzia rosea var. exima (Lemoine) Rehder.
       A variety with the flowers slightly pinkish outside.
       For previous introduction see 132323.

137531 to 137544. Diervilla spp.  Caprifoliaceae.
137531. Diervilla coraeensis f. alba Voss.
       Flowers yellowish white, changing to pale rose.
137532. Diervilla floribunda var. versicolor (Sieb. and Zucc.) Rehder.
       Fol. Marg. Argent.  Flowers greenish white at first, becoming red or crimson.
137533 to 137535. Diervilla florida (Bunge) Sieb. and Zucc.
       137533. Received as Diervilla amabilis, now referred to the above species.
       137534. Rosea.
       137535. Rosea Variegata.
137536 to 137544. Diervilla.
       137536. Received under the name “sieboldii,” for which a place of publication
              has not been found.
       For previous introduction see 136375.
137537. Received under the name “styriaca,” for which a place of publication
       has not been found.
137538. Cameleon.
137539. Conquerant.
137540. Esperance.
137541. Floreal.
137542. Le Printemps.
137543. Messager.
137544. Praecox.

137545 to 137547. Philadelphus.  Hydrangeaceae.
137545. Fleur de Neige.
137546. Sutmannii.
137547. Zeherii.

137548 to 137550.

From England.  Plants purchased from L. R. Russell, Ltd., Richmond Nurseries,
Windlesham, Surrey.  Received May 24, 1940.

137548. Ceanothus divaricatus Nutt.  Rhamnaceae.
       An evergreen shrub up to 4 feet high, with ovate leaves about 1 inch long and light-
       blue or almost white flowers in slender panicles 1 to 4 inches long.  Native to Cali-
       fornia.
137548 to 137550—Continued.

137549. **Ceanothus**. Rhamnaceae.
   **Brilliant**.

137550. **Chaenomeles japonica** (Thunb.) Lindl. Malaceae. **Dwarf Japan quince**.
   **Rosea**.
   For previous introduction see 137480.

137551 to 137556.

From the Netherlands. Plants purchased from the Royal Moerheim Nurseries, Dedemsvaart. Received May 24, 1940.

137551. **Aster thomsoni** C. B. Clarke. Asteraceae.
   A laxly branched perennial aster, with slender, erect, flexuous, hairy stems up to 3 feet high; broad-ovate, coarsely toothed leaves 2 to 4 inches long, almost clasping at the base; and solitary flower heads about 2 inches across with numerous reddish-purple rays. Native to the Himalayan region at altitudes of 7,000 to 10,000 feet.
   For previous introduction see 134445.

137552. **Ceanothus**. Rhamnaceae.
   **Topaz**.

137553. **Diervilia middendorffiana** Carr. Caprifoliaceae.
   For previous introduction see 43844.

137554 to 137556. **Philadelphus** spp. Hydrangeaceae.

137554. × **Philadelphus lemoinei** Lemoine.
   **Boule de Neige**.

137555. **Philadelphus pekinensis** var. **brachybotrys** Koehne.
   A variety, with the branches more grayish brown, the petioles usually green, and the leaves sparingly strigose, usually on both sides.
   For previous introduction see 78149.

137556. × **Philadelphus purpureo-maculatus** Lemoine.
   **Nuage Rose**.

137557. **Trifolium subterraneum** L. Fabaceae. Subterranean clover.

From Australia. Seeds purchased from F. H. Brunning Pty., Ltd., Melbourne. Received May 21, 1940.

   **Bacchus Marsh**.
   For previous introduction see 136403.

137558. **Zea Mays** L. Poaceae. Corn.

From Brazil. Seeds presented by F. G. Brieger, Professor of Genetics, Escola Superior de Agricultura, Piracicaba, São Paulo. Received May 24, 1940.

   **Diamantino**. From a selfed ear, grown in 1938 at Piracicaba by Dr. Brieger, numbered “17-243-1938.”


137559. **Cana Maciza 2-578**.

137560. **Cana Gruesa P-597**.
137561 and 137562.
From Cuba. Budsticks presented by Thomas R. Towns, Holguin. Received May 27, 1940.

A sour orange mutant thought to have possibilities as a rootstock; green-leaved form. See P. I. 132148 for a mutation of this species with variegated leaves.


137563 to 137576. *Citrus* spp. Rutaceae.
From Iran. Seeds collected by Walter Koelz, Bureau of Plant Industry, United States Department of Agriculture. Received May 25, 1940.

Unless otherwise stated the seeds were collected March 22 to 29, 1940.


137565. No. 5751. *Limue Shirin*. From Niriz. Rind thin, smooth, gold to lemon yellow; juice insipid to slightly sweet.
Nos. 137567 to 137576 were from Jahrum.

137567. *Citrus* sp.

137568. *Citrus* sp.
No. 5821. *Betkhani*. Fruit size of medium orange; rind thin, loose, golden yellow; flesh divided easily into quarters; juice pleasantly, strongly acid.

137569. *Citrus* sp.
No. 5822. *Batabi Misri*. Fruit size, shape, and color of grapefruit; rind rough and thick; juice agreeably acid.

137570. *Citrus* sp.
No. 5824. *Furunj*. Fruit about 3½ inches long; rind rough, thick, and orange yellow; flesh seedy, juice pleasantly acid.

137571. *Citrus* sp.
No. 5884. *Kadu Mul*. Fruit rounded pyramidal, 4½ inches long; rind smooth, moderately thick, and yellow; flesh firm; juice pleasantly acid, milder than a lemon. A good keeper.

137572. *Citrus* sp.
No. 5885. *Balang*. Fruit elongate-rounded, 4 by 5 inches; rind smooth, moderately thick, and yellow, used for marmalades and candying; flesh firm, very juicy, divisible into quarters, about the same acidity or slightly milder than a lemon. A good keeper.

137573. *Citrus* sp.
No. 5886. *Shahpasand*. Fruit pear-shaped, 4½ inches long; rind smooth, moderately thick, and yellow; juice about grapefruit acidity and flavor.

137574. *Citrus* sp.
No. 5888. Fruit grapefruit-shaped, 3½ by 5 inches; rind slightly rough, moderately thick, and yellow; juice acid.

137575. *Citrus* sp.
No. 5889. *Misri Batabi*. Fruit grapefruit-shaped, 4½ inches long; rind very rough, moderately thick, and yellow; juice pleasantly acid.
137563 to 137576—Continued.

137576. **CITRUS** sp.

No. 5890. *Batai Shikan*. Fruit slightly elongate, 4 inches long; rind smooth, thin, and yellow; juice pleasantly acid, milder than a lemon.

137577 to 137581.

From Canada. Plants presented by Dr. M. B. Davis, Central Experimental Farm, Ottawa. Received May 28, 1940.

No. 5.

137578 to 137581. **MALUS SYLVESTRIS** Mill. Apple.


137582 to 137588. **FRAGARIA**. Rosaceae. Strawberry.

From Canada. Plants presented by A. J. Porter, Honeywood Nursery, Parkside, Saskatchewan. Received May 29, 1940.

137582. Alaska.
137583. Dakota.
137584. *Honeywood No. 1, Gem × Fairfax*.
137585. *Honeywood No. 2, Gem × Fairfax*.
137586. *Honeywood No. 5, Gem Seedling*.
137587. *Honeywood No. 6, Gem Seedling*.
137588. *Honeywood No. 8, Gem × Dakota*.

137589. **PLATANUS ORIENTALIS** L. Platanaceae. **Oriental planetree**.

From the Union of Soviet Socialist Republics. Seeds presented by the Botanic Garden, Tiflis, Georgia. Received May 24, 1940.

137590 and 137591. **DIERVILLA**. Caprifoliaceae.

From the Netherlands. Plants purchased from the Homestead Nurseries, Boskoop. Received May 31, 1940.

137590. *Groenewegii*.
137591. *Venosa Fol*.

137592 to 137594. **DEUTZIA** spp. Hydrangeaceae.

From the Netherlands. Plants purchased from Byland Brothers Ltd., Boskoop. Received May 31, 1940.

137592 and 137593. × **DEUTZIA LEMOINEI** Lemoine.

An upright shrub up to 8 feet high, with lanceolate leaves 1½ to 4 inches long, and pure-white flowers ½ inch across, in erect panicles or corymbs up to 3 inches long.

137592. *Flore-pleno*.
137593. *Boule de Rose*.

For previous introduction see 134451.

137594. **DEUTZIA SIEBOLDIANA** Maxim. Siebold deutzia.

This is the lowest growing of all the deutzias, of very compact habit, with small, white, loose flower panicles that are not very conspicuous. Native to Japan.

For previous introduction see 132597.

137595 and 137596.

From the Union of South Africa. Seeds presented by E. Percy Phillips, Chief, Division of Botany and Plant Pathology, Department of Agriculture and Forestry, Pretoria. Received June 3, 1940.
137595 and 137596—Continued.


Wonderboom. An evergreen tree up to 75 feet high, with wide-spreading branches, some of which finally touch the ground and put out roots from which new stems arise. The leaves are oblong to oblong-elliptic, mostly abruptly acuminate, rigid, entire, and rounded at the base, often somewhat glaucous below, up to 3½ inches long by 1½ inches wide. The spotted globose fruits, usually in threes, are ½ inch in diameter and are crowded toward the ends of branchlets. The fruits become reddish when mature and are said to be attractive to birds. Native to tropical Africa.

137596. Olea verrucosa (Roem. and Schult.) Link. Oleaceae.

For previous introduction see 119291.

137597 to 137603.

From Australia. Seeds presented by the New England Experiment Farm, Glen Innes. Received May 22, 1940.

137597 to 137599. Avena sativa L. Poaceae. Oats.

137597. Cinerea W 2774. From Portugal.

137598. Crema W 2294. From Italy.


137600. Argentine No. C 8631.

137602. Kleintron C 10817.

137601. Argentine C 9655.

137603. Uruguay C 10834.

137604 and 137605.

From the Dutch East Indies. Seeds collected by the Fairchild-Archbold Expedition. Received April 10, 1940.


Doekoe. A Malayan tree up to 40 feet high, with pinnate leaves composed of five to seven elliptic leaflets each 4 to 8 inches long. The fruits, borne in dense pendulous clusters, vary from oval to round and from 1 to 2 inches in diameter, velvety and straw-colored, with a thick leathery skin enclosing juicy aromatic flesh, and one to three large seeds. The seeds are extremely bitter. The best fruits are found in the village of Menteng, near Batavia, Java.

For previous introduction see 109408.

137605. (Undetermined.)

No. 188. From the hills back of Tahoena Harbor, Sangi Island, January 28, 1940. An ornamental vine bearing clusters of golden yellow fruits ½ inch in diameter, which turn red on ripening.

137606 to 137608. Pistacia spp. Anacardiaceae.

From Turkey. Seeds purchased from Merrill N. Isely, Gazientep. Received May 27, 1940.

137606. Pistacia sp.

137607 and 137608. Pistacia vera L. Pistachio.

137607. Kimiz.

137608. Boz, whitish-yellow.

137609 to 137641.

From India. Seeds presented by the Lloyd Botanic Garden, Darjeeling. Received June 11, 1940.

137609. Anaphalis royleana DC. Asteraceae.

A perennial herb 4 to 6 inches high, slightly woody at the base, native to the slopes of the Himalayas up to 15,000 feet altitude. The sessile, linear to oblong leaves are about 1 inch long and woolly beneath, and the small flower heads are densely white-tomentose.

For previous introduction see 99716.
137609 to 137641—Continued.

137610. **ARISAEMA CONCINNUM** Schott. Araceae.

An arisaema, with a single leaf on an erect petiole 1 to 2 feet long, with 10 or more oval leaflets, gradually narrowed to each end, up to 1 foot long and 1 to $2\frac{1}{2}$ inches broad. The scape is shorter than the petiole, and the spathe is convolute and tubular below; the tube 2 to 3 inches long, $1\frac{1}{2}$ to $\frac{3}{4}$ inch in diameter. The blade, recurved at the mouth, is gradually narrowed above into a tapering pendent appendix. The spathe of the male plant is striated white and dark blue purple; that of the female plant white and green longitudinally, paler outside. Native to the Sikkim Himalayas at altitudes of 6,000 to 10,000 feet.


137612. **BOEHMORIA PLATYPHYLLA** D. Don. Urticaceae.

A large shrub or small tree, native to eastern and southern India at altitudes up to 7,000 feet. It is said to yield good fiber. The reddish-brown wood is moderately hard.

For previous introduction see 64117.

137613. **CLEMATIS CONNATA** DC. Ranunculaceae.

For previous introduction see 111041.

137614. **CREMANTHODIUM RENIFORME** (DC.) Benth. Asteraceae.

A stemless tuberous-rooted perennial, native to tropical Asia. The lanceolate-plaited leaves, 1 to 3 feet long, are recurved, and the star-shaped drooping yellow flowers, about 1 inch across, are borne in dense heads on recurved stalks 3 inches long, covered with soft brown hairs.

For previous introduction see 99730.

137615. **CURCULIGO CAPITULATA** (Lour.) Kuntze (*Curculigo recurvata* Ait.). Amaryllidaceae.

A hardy perennial, with small blue flowers in long, open, one-sided spikes, and stems $1\frac{1}{2}$ to 2 feet high. Native to India, at altitudes up to 12,000 feet.

For previous introduction see 122084.

137616. **CYNOGLOSSUM DENTICULATUM** A. DC. Boraginaceae.

A very variable herbaceous perennial with stems usually 8 inches high, but often up to 2 feet. The opposite, ovate, nearly sessile leaves are usually only 1 inch long, but sometimes petiolated and 3 inches long. The small purple to white flowers are axillary or gathered into spikes at the ends of the branches. It is native to the alpine slopes of the Himalayas in India at an altitude of about 12,000 feet.

For previous introduction see 93208.

137617. **ERANTHEMUM INDICUM** (Nees) C. B. Clarke. Acanthaceae.

For previous introduction see 116586.

137618. **GERANIUM POLYANTHES** Edgew. and Hook. f. Geraniaceae.

A perennial herb, with simple or branching stems up to 10 inches high, divided orbicular-reniform leaves about 2 inches in diameter, and umbels of 3 to 10 dark-
137609 to 137641—Continued.

purple flowers less than an inch across. Native to the Sikkim Himalayas at altitudes of 9,000 to 12,000 feet.

For previous introduction see 116589.

137622. **Chirita urticaefolia** D. Don. Gesneriaceae.

A herbaceous perennial, with stems up to 1½ feet high, elliptic, acuminate, serrate leaves 5 inches long, and large purplish flowers. Native to the temperate Himalayas at altitudes of 4,500 to 9,000 feet.

137623. **Impatiens bicornuta** Wall. Impatiaceae.

137624. **Impatiens radiata** Hook. f. Impatiaceae.

137625. **Jasminum dispermum** Wall. Oleaceae.

For previous introduction see 65258.

137626. **Lychnis nutans** Benth. Silenaceae.

A perennial lychnis, with elongate, usually branching stems, ovate elliptic-lanceolate, or orbicular leaves, and lax panicles of few flowers, usually white inside and purplish outside. Native to the temperate Himalayas at altitudes of 7,500 to 12,000 feet.

137627. **Meconopsis napaulensis** DC. Papaveraceae.

A stout perennial herb, 3 to 5 feet high, with the young parts clothed in softly villous golden hairs. The sinuate-lobed or pinnatifid leaves are 10 to 16 inches long, and the golden-yellow flowers, 2 to 4 inches across, are in elongated racemes. Native to the temperate Sikkim Himalayas at altitudes of 9,000 to 12,000 feet.

For previous introduction see 102319.

137628. **Meconopsis wallchii** Hook. Papaveraceae.

A beautiful hardy biennial from the mountains of Sikkim, India, where it raises its glorious pyramids of mauve-colored flowers to a height of 7 feet or more. In the winter the well-developed gray-green rosettes of leaves are very attractive. It is found at altitudes of 9,000 to 12,000 feet.

For previous introduction see 48322.

137629. **Osmanthus suavis** C. B. Clarke. Oleaceae.

137630. **Pieris formosa** (Wall.) D. Don. Ericaceae.

A Himalayan bush 15 to 20 feet high that bears large terminal clusters of white flowers resembling those of the lily-of-the-valley. The glossy green foliage, which persists throughout the winter, makes a very effective background for early-blooming flowers. Native to the eastern Himalayas at altitudes of 6,000 to 10,000 feet.

For previous introduction see 65263.

137631. **Plectranthus striatus** Benth. Mentheaceae.

An herb, with stems up to 1 foot high, small ovate, crenate leaves, and panicled cymes of small white flowers. Native to the temperate Himalayas at altitudes of 3,000 to 6,000 feet.

For previous introduction see 8266.

137632. **Primula geraniifolia** Hook. f. Primulaceae.

A very slender primula, with acutely lobed orbicular leaves 2 to 3 inches in diameter and simple and superimposed whorls of lilac flowers. Native to the Himalayas between Sikkim and Bhotan at an altitude of about 10,000 feet.

For previous introduction see 128970.

137633. **Sambucus adnata** Wall. Caprifoliaceae.

A Himalayan relative of the elderberry that has clusters of fragrant white flowers about 10 inches in diameter, followed by red fruits. Native to Nepal and Sikkim at altitudes of 5,000 to 10,000 feet.

For previous introduction see 59668.

137634. **Senecio mortoni** C. B. Clarke. Asteraceae.
A tree native to northern India at an altitude of about 6,000 feet, with elliptic to obovate doubly serrate simple leaves 3 to 8 inches long, densely white tomentose beneath. The small white flowers are borne in terminal corymbs 3 to 5 inches across and are followed by reddish fruits almost 1 inch in diameter.
For previous introduction see 93949.

A very attractive shrub of rather lax habit, found in the eastern temperate Himalayas between 6,000 and 10,000 feet altitude. The narrowly ovate, doubly toothed leaves are sometimes 7 inches long, and the small pale-pink flowers are borne in very long spreading panicles.
For previous introduction see 99753.

SWERTIA CHIRATITA (Roxb.) Karst. Gentianaceae.
A tall herbaceous plant, with stems 2 to 5 feet high and subsessile leaves 2 to 4 inches long. The lurid green-yellow flowers in large panicles are tubular, with purple-veined lobes ¼ inch long; they have two glandular depressions at the base of each lobe, with a fringe of long white or pink hairs at the summit. Native to the temperate Himalayas at altitudes of 4,000 to 10,000 feet.
For previous introduction see 99755.

SWERTII PURPURASCENS (D. Don) Wall.
This species is very closely related to Swertia bimaculata, from which it differs in having purple flowers with reflexed corolla lobes. It grows on the western Himalayas at altitudes ranging from 5,000 to 12,000 feet.
For previous introduction see 111095.

SYMPLOCOS sp. Symvolaceae.

VIBURNUM ERUBESCENS Wall. Caprifoliaceae.
A shrub or small tree, with slender, ash-colored branches, drooping panicles of white or yellowish-white flowers, and red ovoid fruits ¼ of an inch long. The very hard reddish wood is close and even-grained and could be used as a substitute for boxwood and for carving. Native to the temperate Himalayas at altitudes of 3,000 to 10,000 feet.
For previous introduction see 47827.

ZANTHOXylum OXYPHYLLUM Edgeworth. Rutaceae.
For previous introduction see 60659.

From India. Seeds collected by Dr. and Mrs. R. R. Stewart, Gordon College, Rawalpindi. Received June 3, 1940.

PANDANUS sp. Pandanaceae. Screwpine.
No. 241. From Celebes. February 17, 1940.

PUERARIA PHASELOIDES (Roxb.) Benth. Fabaceae.
For previous introduction see 136644.

HARPULLIA sp. Sapindaceae.
No. 251. From Gorontalo, Celebes, February 21, 1940. A tree with alternate pinnate leaves, having three to five alternate, elliptical, abruptly acuminate, entire leaflets and red and yellow pods.

CRATAEVA sp. Capparidaceae.
No. 245. From the Marissa River, Gorontalo Province, February 23, 1940. The large fruit is reported to be edible.

From the Dutch East Indies. Seeds collected by the Fairchild-Archbold Expedition. Received April 19, 1940.

No. 241. From Celebes. February 17, 1940.

PUERARIA PHASELOIDES (Roxb.) Benth. Fabaceae.
For previous introduction see 136644.

HARPULLIA sp. Sapindaceae.
No. 251. From Gorontalo, Celebes, February 21, 1940. A tree with alternate pinnate leaves, having three to five alternate, elliptical, abruptly acuminate, entire leaflets and red and yellow pods.

CRATAEVA sp. Capparidaceae.
No. 245. From the Marissa River, Gorontalo Province, February 23, 1940. The large fruit is reported to be edible.

From Indonesia. Seeds collected by Dr. and Mrs. R. R. Stewart, Gordon College, Rawalpindi. Received June 3, 1940.
Collected in northern Kashmir in August 1939.
137646 to 137688—Continued.

137646. ANDROSACE ROTUNDIFOLIA Hardw. Primulaceae.
   No. 26. A small herbaceous perennial, with long-petioled, orbicular-cordate leaves, the radical ones having shallow-rounded crenate lobes. The few to many slender, leafless scapes, 1 to 6 inches high, bear umbles of small white or pink flowers. Native to the temperate Himalayas at altitudes of 5,000 to 11,000 feet.

137647. ANDROSACE sp.
   No. 36.

137648 to 137651. ANEMONE spp. Ranunculaceae.
   137648. ANEMONE RUPESTRIS Hook. f. and Thoms.
      No. 9. Sulphur anemone.
   137649. ANEMONE TETRASEPALA Royle.
      No. 31. A large robust anemone, with long-petioled, leathery, reniform or cordate, deeply 5-lobed leaves 3 to 10 inches wide and white flowers in cymes 1 foot long. Native to the Himalayan region at altitudes of 8,000 to 10,000 feet. For previous introduction see 122777.
   137650. ANEMONE sp.
      No. 32.
   137651. ANEMONE sp.
      No. 41.

137652 to 137655. AQUILEGIA spp. Ranunculaceae.
   137652 and 137653. AQUILEGIA VULGARIS L. European columbine.
      137653. No. 13. From Burzit Pass, at 11,000 feet altitude. A sticky columbine. For previous introduction see 129016.
   137654. AQUILEGIA sp.
      No. 22. A white columbine.
   137655. AQUILEGIA sp.
      No. 44. From Kamri, at 13,400 feet altitude.

137656. ASTER HETEROCHAETA C. B. Clarke. Asteraceae.
   No. 11.

137657. CALTHA PALUSTRIS L. Ranunculaceae.
   No. 14. Alba. From Gaspat Mountain above 8,000 feet altitude. For previous introduction see 118573.

137658 and 137659. COLUTEA NEPALENSIS Sims. Fabaceae.
   A deciduous shrub up to 10 feet high, with pinnate leaves of small oval leaflets and drooping racemes of 3 or 4 showy, yellow flowers. Native to the Himalayan region at 8,000 to 11,000 feet altitude.
   137658. No. 8.
   137659. No. 8-A.

   No. 5. From above Godhai, at 8,000 feet altitude. For previous introduction see 133110.

137661. DELPHINIUM sp. Ranunculaceae.
   No. 34.

137662. EREMURUS sp. Liliaceae.
   No. 18.

No. 15. From Burzil Chaubi, at 11,740 feet altitude. A fritillaria, with whorled or opposite linear-lanceolate leaves 2 to 4 inches long and solitary or few nodding flowers on stems 1 to 2 feet high. The flowers are 1½ to 2 inches long, campanulate, yellow green, tessellated with dull purple. Native to the Himalayan region at altitudes of 8,000 to 10,000 feet.

For previous introduction see 122856.


No. 17.

137665. *Heracleum candidans* DC. Apiaceae.

No. 38. From near Gurikot.

137666. *Heracleum sp.*

No. 47. From near Gurikot, at 9,000 feet altitude.

137667 and 137668. *Iris hookeriana* Foster. Iridaceae.

A hardy iris, up to 2 feet high, with erect, pale-green, strongly ribbed leaves, 2-flowered spathes, a slender perianth tube, and a bright-lilac limb 1½ to 2 inches long; blade dark lilac variegated with paler lilac; claw whitish with violet hairs and beard of white hairs tipped with yellow. Related to *Iris kumaoensis*. Native to the western Himalayan region.

137667. No. 19. From 11,150 feet altitude.

137668. No. 45. From Raj Diangan.

137669. *Jaeschkea* sp. Gentianaceae.

No. 39.

137670. *Juniperus* sp. Pinaceae.

No. 35. From near Gurikot, at 9,000 feet altitude.


No. 37.

137672. *Linum perenne* L. Linaceae. **Perennial flax.**

No. 43. A blue perennial flax 8 to 10 inches high. Native to western Tibet at altitudes of 9,000 to 13,000 feet.


No. 4. From Raj Diangan stream. A biennial Himalayan plant with hairy stems and rosettes of blunt-pointed leaves. The flowers, bright blue with golden yellow throats, are borne in spikelike racemes, the flowers opening from the top of the raceme downward. Native to the western Himalayas at altitudes of 11,000 to 15,000 feet.

For previous introduction see 122895.


No. 28.


No. 16. Native to Kashmir at altitudes of 5,000 to 9,000 feet.


No. 27. An attractive perennial 1 foot high; flowers large, old rose, with a large white eye. Found growing in sod watered well by springs.

For previous introduction see 122909.


No. 46. From Tragbal. Native to the interior ranges of the Himalayas, at altitudes of 9,000 to 14,000 feet from Sikkim to Hazara, descending to 6,000 feet in Kashmir.

For previous introduction see 122920.


No. 40. From Burzil, at 13,900 feet altitude. A snow primula.
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137646 to 137688—Continued.

137679. PRUNUS ARMENIACA L. Amygdalaceae. Apricot.
   No. 20. From Gurikot, at 7,100 feet altitude. A sweet-flavored apricot, cultivated
   and almost naturalised in northwest India at altitudes up to 10,000 feet.

137680. RIBES NIGRUM L. Grossulariaceae. European black currant.
   No. 6. From Godhai. Native to the temperate western Himalayas from Kunawar
   to Kashmir at altitudes of 7,000 to 12,000 feet.

137681 to 137683. ROSA WEBBIANA Royle. Rosaceae. Rose.
   An erect shrub, with five to nine very small orbicular glabrous leaflets, large
   solitary pink flowers, and ovoid bright-red fruits. Native to the drier inner Himal-
   ayas from Kashmir to Kumaon at altitudes of 5,000 to 13,500 feet.

137681. No. 1.

137682. No. 3. From near Gurikot.

137683. No. 3-A. From Gilgit Roads.
   For previous introduction see 54245.

137684. SALVIA HIANS Royle. Menthaceae.
   No. 48. From Raj Diangan Pass. A viscid-hairy perennial herb 2 to 3 feet high,
   with cordate-toothed leaves 4 to 7 inches long, on petioles often 10 inches long. The
   blue flowers, 1 to 2 inches long, with inflated throats, are borne in large spreading
   panicles. Native to the western temperate Himalayas at altitudes of 8,000 to 11,000
   feet.
   For previous introduction see 122950.

137685. SCABIOSA SPECIOSA Royle. Dipsacaceae.
   No. 42. From Karri Bangalon. A tufted perennial up to 2 feet high, with oblong,
   pubescent leaves 2 inches long, pinnatifid at the base, and large, nearly flat heads of
   lavender to bright-mauve flowers. Native to the temperate Himalayas at altitudes
   of 7,000 to 11,000 feet.

137686. SERRATULA PALLIDA DC. Asteraceae.
   No. 7. A hardy herbaceous perennial, with simple or branching stems 1 to 3 feet
   high, radical leaves, and corymbose heads of violet or white flowers 1 inch or more
   across. Native to the western Himalayas at altitudes of 6,000 to 8,000 feet.

137687. THALICTRUM PEDUNCULATUM Edgew. Ranunculaceae
   No. 21.

   No. 24. From Minimarg, at 9,000 feet altitude.

137689 and 137690.
   From Brazil. Seeds presented by the Instituto Agronómico do Estado de São Paulo,
   Campinas. Received June 20, 1940.

137689. MYRCIARIA sp. Myrtaceae.
   Cambuca.

137690. POUTERIA CAIMITO (Ruiz and Pav.) Radlk. Sapotaceae. Abiu.
   Abio Paulista. A Brazilian tree 15 to 20 feet high, with bright-green lanceolate-
   obovate leaves 4 to 8 inches long, and bright-yellow, ovoid-ellipsoid edible fruits 2 to
   4 inches long. These have a thick tough skin enclosing translucent flesh, which in
   flavor resembles that of the sapodilla (Achras zapota).
   For previous introduction see 41003.

137691 to 137693.
   From Indo-China. Seeds presented by M. Poilane, Lang Eram par Dongha et Khe
   Sanh, Province Quangtu, Annam. Received June 12, 1940.

137691. CROTALARIA sp. Fabaceae.
137691 to 137693—Continued.

137692. **INDIGOGERA TEYSMANNI** Miquel. Fabaceae.

A small purple-flowered tree with hard durable wood. It grows rapidly, and is useful for shading young coffee plants.

For previous introduction see 29186.

137693. **TEPHROSIA** sp. Fabaceae.

137694. **CASTANOSPERMUM AUSTRALE** Cunn. and Fraser. Fabaceae.

*Moreton Bay chestnut.*

From Australia. Seeds presented by C. G. Savage, Director of Fruit Culture, Department of Agriculture, New South Wales. Received June 20, 1940.

A large ornamental leguminous tree, native to Queensland and New South Wales, where it is said to grow abundantly along rivers. The large evergreen leaves and the racemes of bright orange-yellow flowers make an attractive picture in any subtropical garden. The pod, 8 to 9 inches long, contains 3 to 5 large seeds, resembling chestnuts, that are poisonous.

For previous introduction see 45504.

137695 and 137696.

From Australia. Seeds presented by E. A. Southee, Principal, Hawkesbury Agricultural College, Richmond. Received June 20, 1940.

137695. **CUCUMIS METULIFERUS** E. Mey. Cucurbitaceae.

*Cucumber.*

African Horned Cucumber. This South African "wild cucumber" is native to the Kalahari Desert and the Belgian Congo. The plant is an annual creeper, much branched, and covered with bristly hairs. The dark-green leaves are similar to those of the ordinary cucumber, and the flowers are yellow. The gourdlike fruit when ripe is about 5 inches long and is covered with short hard spines. It is eaten in the same way as the ordinary cucumber.

For previous introduction see 65694.

137696. **CUCUMIS SATIVUS** L.

*Cucumber.*

Bangalore.

137697 to 137703.

From South Australia. Seeds presented by the Waite Agricultural Institute, Glen Osmond. Received June 18, 1940.

137697. **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 130892.


*Perennial veldgrass.*

A heavy-yielding drought-resistant and nutritious grass that grows to a height of more than 4 feet and seeds profusely. Native to South Africa.

For previous introduction see 81943.

137699. **MEDICAGO TRUNCATULA** Gaertn. Fabaceae.

*Medic.*

For previous introduction see 134760.

137700. **STIPA NITIDA** Summerh. and Hubb. Poaceae.

*Grass.*

A slender perennial grass up to 2 feet high. Native to South Australia.

137701. **STIPA SCABRA** Lindl.

*Grass.*

A perennial grass, typically with slender, tufted stems 1 to 2 feet high. Native to Australia.
127697 to 127703—Continued.

127702. **Trifolium cernuum** Brot. Fabaceae. Clover. An annual 1 foot high, with drooping heads of pale-purple flowers. It is native to Spain.

For previous introduction see 90727.

127703. **Trifolium glomeratum** L. Clover. For previous introduction see 134771.

127704 to 127773.
From Iran. Seeds collected by Walter Koelz, Bureau of Plant Industry, United States Department of Agriculture. Received June 26, 1940.

127704 and 127705. **Oryza sativa** L. Poaceae. Rice.


127706 to 127710. **Pistacia spp.** Anacardiaceae. False terebinth.

127706. **Pistacia terebinthus** L. Bene. From Balvard, Kirman, December 31, 1939. A handsome tree; up to 30 feet high, with a trunk 2 1/2 feet or more in diameter. The small ovoid fruits are 1/4 inch long. Native to Asia Minor.

For previous introduction see 137164.

127707 to 127710. **Pistacia vera** L. Pistachio.

127707. No. 5411. **Pista.** From Kirman, Kirman, January 23, 1940. Selected from market stock.

127708. No. 5566. **Pista.** From Darzin, February 15, 1940.

127709. No. 5567. **Pista-i-fandohki, "filbert pista."** From Bahramabad. February 18, 1940.

127710. No. 5568. **Pistaebadami, "almond pista."** From Bahramabad, February 17, 1940.

127711 to 127731. **Prunus spp.** Amygdalaceae. Apricot.

127711 to 127724. **Prunus armeniaca** L. Zardalu is the vernacular name for the apricot in Iran.

127711. No. 5255. From Balvard, Kirman, December 31, 1939. The dried fruits are mildly acid; flesh apparently predominantly white; kernels bitter and sweet. Climate mild, the ground barely freezing.


127713. No. 5443. From Bam, January 26, 1940. Grown where there are mild winters.

127714. No. 5460. From Dehidisk, February 2, 1940. Fruit slightly acid; flesh white and yellow. Winters mild, and ground does not remain frozen.

127715. No. 5463. From Dehibakon, January 27, 1940. Grown where the winters are mild.

127716. No. 5501. From Tomogaon, February 5, 1940. Grown where the winters are mild.

127717. No. 5591. From Yezd, February 21, 1940.

127718. No. 5668. From Isfahan, March 5, 1940. Dried fruit globose, 1 1/2 inches in diameter; translucent and gold; no fiber, not acid. Buds are crimson, opening pale pink. The ground probably does not remain frozen all day in winter.

127719. No. 5692. From Qumsheh, Isfahan, March 7, 1940. Said to be white-fleshed, with edible kernel. Buds are crimson red, opening pink. Grown where the winters are mild.
137704 to 137773—Continued.

137720. No. 5701. From Eglit, Fars, March 8, 1940, at 6,000 feet altitude. Dried fruit 1 1/2 inches long; flesh white, sweet, and slightly acid; kernel edible. Flowers crimson in bud, opening pale pink. Grown where the winters are mild.

137721. No. 5702. From Eglit, Fars, March 8, 1940, at 6,000 feet altitude. Said to have white flesh and a bitter kernel. Grown where there are mild winters.

137722. No. 5763. Zardalu-i-talkh. From Niriz, Fars, March 30, 1940. Seeds said to be bitter. Flowers are often pale pink and very fragrant.

137723. No. 5776. Zardcdueshirin. From Niriz, Fars, March 30, 1940. A region where limes are grown. Trees often have pale-pink fragrant flowers. Seeds said to be edible.

137724. No. 5424. Alucha. From Bam, January 25, 1940. Fruit pleasantly acid. Dried fruit from market, said to be from Khorassan.


137726 to 137728. Prunus domestica L. Common plum.

137726. No. 5263. Alucha. From Saidabad, Kirman, December 31, 1939. A local prune, said to be excellent when fresh. Grown where the winters are mild.

137727. No. 5666. Alu. From Isfahan, March 5, 1940. Dried fruits are globose, 1 1/2 inches in diameter, much wrinkled, red black; flesh of prunelike consistency, somewhat acid.

137728. No. 5667. Alu. From Isfahan, March 5, 1940. Dried fruits globose, 1 1/2 inches in diameter; translucent, probably light red; pleasantly acid, and freestone.

137729. Prunus bokhariensis Schneid. No. 5514. Alubokhara, Alucha. From Tomogaon, February 6, 1940, probably from the hills. Fruits globose, probably about 1 1/2 inches in diameter when fresh. Sweet when dried.

137730. Prunus sp.

No. 5555. From Guragan, February 11, 1940, at 8,000 feet altitude. A dense, bushy, ornamental tree with green twigs, inconspicuous linear leaves about 1/2 inch long, and handsome pink flowers. A region where winters are mild.

137731. Prunus sp.

No. 5690. Alu. From Eglit, Fars, March 8, 1940, at 6,000 feet altitude. Dried fruit prune-shaped, 2 inches long, red, and mildly acid.


137732. No. 5182. Gandum. From Isin, December 17, 1939, at 500 feet altitude. Said to be fall-sown and given little water.


137738. No. 5233. From Teserj, Kirman, December 25, 1939. Said to be fall-sown and irrigated on alkaline soil.
APRIL 1 TO JUNE 30, 1940

137704 to 137773—Continued.


137742. No. 5286. From Saidabad, Kirman, January 1, 1940. Said to be fall-sown and irrigated. Suitable for temperate cotton-growing climate.


137747. No. 5452. Gandum. From Dehidisk, February 1, 1940. Winter-sown and irrigated, winters are mild and snowless. An excellent wheat for bread making.

137748. No. 5474. Gandum. From Tomogaon, February 3, 1940. A variety cut back for fodder when 6 to 12 inches high; said to be cut 2 to 3 times before it is allowed to head. A region of no frost.


137750. No. 5509. Gandum Andojird. From Dusari, February 6, 1940. Fall-sown and irrigated.


137753. No. 5536. From Tomogaon, February 7, 1940. An irrigated variety

137754. No. 5536-A. Gandum Khurasani. From Gurguran, February 10, 1940 at 8,000 feet altitude. Winter-sown and irrigated.


137763. No. 5673. Gandum. From Eglit, Fars, March 8, 1940, at 6,000 feet altitude. Fall-sown and irrigated.
137764. No. 5703. *Gandum.* From Surmag, Fars, March 9, 1940, at 4,000 feet altitude. Said to be winter-sown and irrigated.


137771. No. 5841. *Gandumioroji.* From Kazerun, Fars, April 11, 1940. Climate mild with rainy growing season.

137772 and 137773. *Zea mays* L. *Poaceae.*


From the British West Indies. Seeds presented by R. A. Silow, Cotton Research Station, Trinidad. Received June 26, 1940.

W 4-6 Uns.

For previous introduction see 136908.

137775 to 137902.

From Iran. Seeds collected by Walter Koelz, Bureau of Plant Industry, United States Department of Agriculture. Received June 27, 1940.

137775 to 137802. *Citrullus vulgaris* Schrad. *Cucurbitaceae.*

**Watermelon.**

*Hinduana* is the vernacular name for watermelon in Iran.

137775. No. 5174. From Bandar Abbas, December 16, 1939. The seeds are roasted and sold.


137777. No. 5257. From Saidabad, Kirman, December 31, 1939. A market mixture; flesh yellow to pink and good texture. Seeds are sold roasted, along with *Cucurbita* seeds; appear to be of different stock from those of Afghanistan.

137778. No. 5337. From Kirman, Kirman, January 4, 1940. Fruit globose, 12 inches in diameter; rind has alternate stripes of pea and black green, ½ inch thick; flesh apparently rose.

137779. No. 5392. From Chaharfarsakh, Kirman, January 14, 1940. Fruit globose, 12 inches in diameter; rind pale green with stripes of darker color, ½ inch thick; flesh firm, yellow-tinted apricot, of good quality. Adapted to hot date-growing country.

137780. No. 5338. From Kirman, Kirman, January 4, 1940. Fruit elongate 18 by 10 inches; rind grass green, ½ inch thick; flesh rose.

137781. No. 5353. From Kirman, Kirman, January 5, 1940. Fruit globose, 12 inches in diameter; rind black green, ½ inch thick; flesh yellow near rind, then rose, of good texture, and not very sweet. Apparently a good keeper.

137782. No. 5365. From Khabis, Kirman, January 10, 1940. Grown in very hot date region.

137783. No. 5390. From Khabis, Kirman, January 12, 1940. Said to be from the Khorassan District; probably adapted to great heat.
APRIL 1 TO JUNE 30, 1940

137775 to 137902—Continued.

137774. No. 5440. From Bam, January 26, 1940. Grown in a hot date region.

137775. No. 5464. From Dehidisk, February 2, 1940.


137777. No. 5527. From Tomogaon, February 7, 1940. Fruits globose up to 4 inches in diameter; rind pale green, blotched with darker stripes. Flavor bitter, but fruit to be eaten by camels.

137778. No. 5542. From Guragan, February 10, 1940, at 8,000 feet altitude.

137779. No. 5562. From Darzin, February 14, 1940.

137780. No. 5604. From Dehibala, Shirkuh, February 22, 1940, at 9,000 feet altitude. Probably grown where the summer climate is mild.

Nos. 137791 to 137795. From Yezd, Kirman, February 20 to 24, 1940.

137791. No. 5580. Probably adapted to great heat.

137792. No. 5627. Fruit subglobose, 9 inches long; rind grass green, ribbed and mottled darker; flesh red.

137793. No. 5628. Fruit subglobose, 9 inches long; rind sea green with deeply indented ribs; flesh red.

137794. No. 5629. Fruit globose, 8 inches in diameter; rind black green; flesh red.

137795. No. 5630. Fruit globose, 9 inches in diameter; rind dark green, ribbed and mottled with darker green; flesh red.

137796. No. 5650. From Isfahan, March 1, 1940.

137797. No. 5688. From Egit, Fars, March 8, 1940, at 6,000 feet altitude. Probably grown where summers are mild and soil nonalkaline.

137798. No. 5709. From Persepolis, Fars, March 12, 1940.

137799. No. 5715. From Shiraz, Fars, March 15, 1940.


137803 to 137833. CUCUMIS MELO L. Cucurbitaceae. Muskmelon.

Kharbusa is the vernacular name for muskmelon in Iran.


137804. No. 5285. From Saidabad, Kirman, January 1, 1940. A mixture.

137805. No. 5324. From Kirman, Kirman, January 3, 1940. A mixture.

137806. No. 5387. From Khabis, Kirman, January 11, 1940. Adapted to hot date-growing region.

137807. No. 5849. From Kazerun, Fars, April 11, 1940. Grown in a date region.

137808. No. 5449. From Dehidisk, February 1, 1940.


137810. No. 5477. From Tomogaon, February 4, 1940. A very hot date-growing area.


137812. No. 5548. From Guragan, February 10, 1940, at 8,000 feet altitude.

137813. No. 5563. From Darzin, February 14, 1940.

Nos. 137814 to 137819. From Yezd, February 21, 1940.

137814. No. 5588. Said to be a mixture adapted to great heat.

137815. No. 5593. Khiyar-i-shang. Fruit said to be long.
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137775 to 137902—Continued.

137816. No. 5595. Fruit nearly globose, 8 inches in diameter; rind not netted; flesh very sweet. From the hill district nearby.

137817. No. 5596. Fruit elongated, 12 inches long; rind heavily netted. Adapted to great heat.

137818. No. 5597. Fruit elongate, 10 inches long; rind netted. Adapted to great heat.

137819. No. 5598. Rind smooth and unnetted. Adapted to great heat.

137820. No. 5605. From Dehibala, Shirkuh, February 22, 1940, at 9,000 feet altitude. Probably grown in mild summer climate.


137822. No. 5634. From Isfahan, February 27, 1940. Fruit elongate, with rounded ends, 14 by 6 inches; rind pale yellow, heavily netted; flesh cream, 2½ to 3 inches thick, crisp and sweet. A good keeper.

137823. No. 5651. From Isfahan, March 2, 1940.

137824. No. 5689. From Eglit, Fars, March 8, 1940, at 6,000 feet altitude. Summers probably mild and soil nonalkaline.


137826. No. 5744. From Jahrum, Fars, March 25, 1940. From a date-growing region.

137827. No. 5769. From Niriz, Fars, March 30, 1940. From a citrus-limit region.

137828. No. 5772. *Khiyarain*. From Niriz, Fars, March 30, 1940. Said to be 3 feet long and yellow, with sour flesh.

Nos. 137829 to 137833. From Shiraz, Fars, April 2 to 4, 1940.

137829. No. 5798. From a citrus-limit region.

137830. No. 5799. Said to be long; from a citrus-limit region.

137831. No. 5807. *Kharbuzaetfsahani*. Said to be long and yellow; from a citrus-limit belt.

137832. No. 5811. *Kharbuzaetalbi*. Said to be a round melon that reaches the size of 6 pounds. From a citrus-limit belt.

137833. No. 5820. From a citrus-limit belt.


137837. No. 5580. *Khiyarze*. From Kazerun, Fars, April 11, 1940. Said to be a long thin cucumber. From a date-growing region.

137838. No. 5596. *Khiyor-i-chambar*. From Chaharfarsakh, Kirman, January 15, 1940. Fruit said to be long and thin.


137840. No. 5429. *Khiyar-i-sabz*. From Bam, January 25, 1940. Said to be 1 foot long. From a date-growing region.


137775 to 137902—Continued.

137843. No. 5516. **Khiyar-i-ghaitan.** From Tomogaon, February 6, 1940. A wild desert plant; fruit 1 1/2 inches long; rind greenish yellow splashed with green.

137844. No. 5529. **Khiyar.** From Tomogaon, February 8, 1940.

137845. No. 5549. **Khiyar.** From Guragan, February 10, 1940, at 8,000 feet altitude.

137846. No. 5587. **Khiyar-i-balang.** From Yezd, February 21, 1940. Said to be a short form, 6 inches long, and adapted to much heat.

137847. No. 5609. **Khiyar.** From Dehibala, Shirkub, February 22, 1940, at 9,000 feet altitude. Fruits said to be long. Summers probably mild.

137848. No. 5620. **Khiyar-i-balang.** From Taft, February 23, 1940. Said to be a long variety.

137849. No. 5623. **Khiyar-i-shang.** From Taft, February 23, 1940. A long variety grown in a hot climate.

137850. No. 5663. **Khiyar-i-balang.** From Isfahan, March 4, 1940. Said to be a long variety.

137851. No. 5664. From Isfahan, March 4, 1940. Said to be a short variety.

137852. No. 5723. **Balang.** From Jahrum, March 20, 1940. From a date-growing region.

137853. No. 5757. **Balang.** From Niriz, Fars, March 29, 1940. Said to be a long variety, grown in a warm region.

137854. No. 5780. **Khiyar-i-sabz.** From Shiraz, Fars, March 31, 1940. Said to be a long and thin variety.


137858. No. 5880. **Balang.** From Bushire, Fars, April 15, 1940. Fruit yellow-green, 6 inches long. Good quality.

137859 to 137864. **Cucurbita maxima** Duchesne. Cucurbitaceae. **Squash**

137860. No. 5289. **Kadu.** From Balvard, Kirman, January 1, 1940. Fruit elongate, 9 by 15 inches, rind gray green and unribbed; flesh yellow, 2 inches thick, and insipid.

137861. No. 5288. **Kadu.** From Saidabad, Kirman, January 1, 1940. Adapted to cotton country.

137862. No. 5613. From Taft, February 23, 1940. Said to be globose. Grown where summers are hot.

Nos. 137862 to 137864 from Eglit, Fars, March 8, 1940, at 6,000 feet altitude.

137863. No. 5693. **Kaduverussi.** Probably like No. 5681.

137864. No. 5699.

137865 to 137883. **Cucurbita moschata** Duchesne. Cucurbitaceae. **Cushaw**

Nos. 137865 to 137869 from Saidabad, Kirman, December 28 and 29, 1940.

137865. No. 5240. Fruit elongate, 14 by 7 inches; rind salmon pink and unribbed; flesh greenish yellow, 1 1/2 inches thick, and insipid.

137866. No. 5241. Fruit flattened, 12 by 7 inches; rind occasional deep ribs, attractive pale salmon pink; flesh yellow, 2 inches thick, fairly sweet.

137867. No. 5243. Fruit subglobose, 12 inches long; rind creamy white, deeply irregularly ribbed; flesh 1 1/2 inches thick, orange, and insipid.
137775 to 137902—Continued.

137868. No. 5245. Kadu. Fruit elongate, 12 by 7 inches; rind salmon pink with broken stripes of pink; flesh 2 inches thick, yellow, and insipid.

137869. No. 5246. Kadu. Fruit 12 by 10 inches; rind salmon with faintly indented ribs; flesh 1 ¼ inches thick, yellow, and insipid.

137870. No. 5247. Kadu. From Balvard, Kirman, December 30, 1939. Fruit subglobose, 14 inches long; rind salmon red with irregular stripes of white and large blotches of gray green, ribs faintly indented; flesh orange yellow, 2 inches thick; flavor fair.

137871. No. 5292. Kadu. From Balvard, Kirman, January 1, 1940. Fruit flattened, 15 by 10 inches; rind red orange splashed with paler color, ribs deeply indented; flesh orange yellow, 2 inches thick, and insipid.

137872. No. 5373. From Khabis, Kirman, January 11, 1940. Fruit pear-shaped, 15 inches long; rind buff brown, spotted and blotched with paler brown, irregularly and deeply ribbed; flesh deep orange, 1 ¾ inches thick, and sweet. Said to keep 1 year. Adapted to much heat and alkaline soil.

137873. No. 5322. Kadu Khorasani. From Kirman, Kirman, January 3, 1940. Fruit subglobose, 12 inches long; rind salmon buff, deeply ribbed; flesh 2 inches thick, orange, and sweet.

137874. No. 5323. Kadui Khorasani. From Kirman, Kirman, January 3, 1940. Fruit gourd-shaped, 18 inches long; rind buff orange, ribbed; flesh orange, sweet.


137876. No. 5488. From Tomogaon, February 4, 1940.

137877. No. 5572. From Yezd, Kirman, February 20, 1940. Fruit ornamental, flattened, 3 ½ by 5 inches; rind bright orange clouded with paler orange, smooth and unribbed.

137878. No. 5592. From Yezd, February 21, 1940. Fruit round and white. Adapted to great heat.

137879. No. 5631. From Yezd, February 24, 1940. Fruit ornamental, ovoid, 4 inches long; shell hard, lemon yellow, well preserved.

137880. No. 5642. From Isfahan, February 27, 1940. Fruit round, white.

137881. No. 5722. Kadue Murabba. From Shiraz, Fars, March 16, 1940. Fruit elongated, 12 by 9 inches; rind golden brown, heavily ribbed; flesh 1 ½ inches thick, yellow orange, tender, and rather sweet.


137883. No. 5844. From Kazerun, Fars, April 11, 1940. From date-growing region.

13784 to 137902. CUCURBITA PEPo L. Cucurbitaceae. Pumpkin.

137884. No. 5244. Kadu. From Saidabad, Kirman, December 29, 1939. Fruit globose, 8 inches in diameter; rind orange red, with rib stripes of salmon; ribs faintly indented; flesh 1 ¼ inches thick, greenish yellow and insipid.


137886. No. 5253. Kadu. From Balvard, Kirman, December 31, 1939. Fruit egg-shaped, size of goose egg; rind canary yellow, smooth; said to be edible when tender.

137887. No. 5294. Kadu. From Balvard, Kirman, January 1, 1940. Fruit globose, 12 inches in diameter; rind red orange and deeply ribbed; flesh 2 inches thick, orange yellow; good flavor but not very sweet.

137888. No. 5403. Kadu. From Kirman, Kirman, January 21, 1940. Fruit elongate, 12 by 5 inches; rind pale yellow and smooth; flesh pale yellow, 1 ¼ inches thick. Eaten when young.

137775 to 137902—Continued.

137890. No. 5493. From Tumgaon, February 5, 1940. From a hot, date-growing area.

137891. No. 5534. Kadu. From Gurguran, February 10, 1940, at 8,000 feet altitude.

137892. No. 5535. Kaduehalui. From Gurguran, February 10, 1940, at 8,000 feet altitude.

137893. No. 5558. Kadu. From Morkun, February 12, 1940, at 8,000 feet altitude.

137894. No. 5593. From Yezd, February 21, 1940. Adapted to great heat.


137897. No. 5682. Kadu. From Eglit, Fars, March 8, 1940, at 6,000 feet altitude. Fruit subglobose, 10 inches long; rind canary yellow, smooth; flesh pale orange, 2 inches thick, tender, not very sweet.

137898. No. 5683. Kadu. From Eglit, Fars, March 8, 1940, at 6,000 feet altitude. Fruit subglobose, 8 inches long; rind orange red, nearly smooth and unnetted; flesh pale orange, 1½ inches thick, tender, and not very sweet.


137900. No. 5796. Kaduedaraz. From Shiraz, Fars, April 2, 1940. From a citrus area.


137903. CROTALARIA VITELLINA Ker. Fabaceae.


A slender evergreen shrub, 8 to 10 feet high, native to Brazil.

For previous introduction see 107800.

137904 to 137907. HORDEUM spp. Poaceae. Barley.

From Australia. Seeds presented by the Experiment Farm, Department of Agriculture Glen Innes, New South Wales. Received June 27, 1940.

137904. Hordeum sp.

Chevalier × Peatland Bulk F4.

137905. Hordeum sp.

Peatland × Goodwill F2.

137906. Hordeum sp.

Peatland × Pryor F2.

137907. Hordeum sp.

Peatland × Trabut F2.

137908 to 137930. Poaceae.

From Iran. Seeds collected by Walter Koelz, Bureau of Plant Industry, United States Department of Agriculture. Received June 28, 1940.

137908 to 137917. AMYGDALUS spp. Amygdalaceae.

137908 to 137914. AMYGDALUS PERSICA L. Peach.

137908. No. 5254. Shaftadu, Hulu, Shalil. From Balvard, Kirman, December 31, 1939. A local mixture. Climate mild,
137908 to 137930—Continued.


137910. No. 5444. Shaftalu. From Bam, January 26, 1940.


137912. No. 5700. Hulu. From Eglit, Fars, March 8, 1940, at 6,000 feet altitude. Dried fruit halves 3 inches across; flesh white, freestone; flavor unlike our peaches. Winter mild.

137913. No. 5546. Hulu. From Guragan, February 10, 1940, at 8,000 feet altitude. Seeds edible. No snow and ground barely freezes at this season.

137914. No. 5565. Hulu. From Mahun, February 16, 1940. Fruit very large; flesh (dried) white; seeds edible; season very late.

137915. Amygdalus sp.

137916. Amygdalus sp.
No. 5446. Badam-i-talkh. From Dehidisk, January 31, 1940. An attractive, dense, leafless shrub growing best where underground water is near. Flowers said to be white. Winters mild.

137917. Amygdalus sp.
No. 5741. Badam-i-kuhi. From Jahrum, Fars, March 24, 1940. The wild fruits are collected from the Elburs Mountains on a limestone range at about 10,000 feet altitude. They are boiled to remove the bitterness and then eaten. Tree ornamental, but used as rootstocks for cultivated almonds in the desert. Winters mild.


137919. No. 5586. Fandokh. From Yezd, February 21, 1940. Said to be from the north.

137920 to 137923. Ficus carica L. Moraceae. Common fig.
137920. No. 5626. Aujir. From Taft, February 23, 1940. Dried fruits 1 to 1½ inches across; flesh white and fairly sweet.

137921. No. 5785. Aujir Alan. From Niriz, Fars, March 30, 1940. Trees xerophytic, up to about 5 feet high, growing on an unirrigated limestone mountain. Fruit sweet. Winter rain said to be about 12 inches.

137922. No. 5786. Aujir-i-wasat. From Niriz, Fars, March 30, 1940. Trees about 5 to 6 feet high; planted on the steep slope of a limestone mountain, and not irrigated. Winter rain 12 inches, none in summer. The fruit is sweet.

137923. No. 5787. Aujir-i-siya. From Niriz, Fars, March 30, 1940. Trees small, up to 5 or 6 feet high, growing on a steep talus of a limestone mountain, unirrigated. Rainfall said to be 12 inches in the winter only. Fruit not dried, said to be good when fresh.

No. 5445. Auar. From Bam, January 26, 1940. Fruits are very sweet. Grown in a hot date-growing region.

137925. Rubus sp. Rosaceae.
No. 5370. From Chaharfarsakh, Kirman, January 10, 1940. Fruit dry but apparently small, with bloom. Adapted to hot date-growing regions.

137926. Rubus sp.
137908 to 137930—Continued.

137927. RUBUS sp.

No. 5825. From Maskun, Kirman, February 12, 1940. Vine up to 20 feet high, fructiferous, very thrifty, probably from the coldest part of the mountain range, ground probably seldom frozen all day.

137928. VITIS sp. Vitaceae.


137929. VITIS sp.

No. 5790. Aujur. From Niriz, Fars, March 30, 1940. A wild xerophyte, growing in the limestone mountain ravines. About 12 inches of winter precipitation; ground barely freezes in the winter. Fruit sweet.

137930. VITIS sp.

No. 5791. Aujur. From Niriz, Fars, March 30, 1940. A wild xerophyte said to be the same as No. 5790, but dried differently. Winters mild.

137931. CARICA MICROCARPA Jacq. Papayaceae.

From Venezuela. Seeds presented by Dr. Henry Pittier, Ministry of Agriculture, Caracas. Received June 24, 1940.

A small tree, with a smooth trunk, large palmate leaves, the lobes entire, and small, pale greenish-yellow flowers followed by berries the size of large almonds. Native to South America.


From Africa. Seeds purchased from the Department of Agriculture, Zaria, Nigeria. Received June 26, 1940.

A tree, native to tropical Africa, with small, sweet, edible figs that are a good food for birds. The tree yields a soft, nearly clear, sticky gum that does not harden and that hangs in pencil-like strings. The young leaves are said sometimes to be used for fodder in northern Nigeria.

137933 to 137935. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

From Australia. Seeds presented by the Waite Agriculture Research Institute, Glen Osmond, South Australia. Received June 17, 1940.

137933. Tusmore creeping type, open-pollinated seed. (1939) LC. 65.

137934. Victorian creeping type, open-pollinated seed. (1939) LC. 66.

137935. Mixed pasture types, interpollinated. (1940 seed) LC. 67.


From Colombia. Seeds presented by R. E. Kepler, formerly of Bogotá. Received June 29, 1940.

Maiz Millo.


From Hawaii. Presented by L. W. Bryan, Board of Commissioners of Agriculture and Forestry, Hilo, through Col. R. H. Montgomery, Coconut Grove, Florida. Received May 18, 1940. Numbered in June 1940.

For previous introduction see 94196.
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