

26951
ep 2

Plant Inventory No. 152

UNITED STATES DEPARTMENT OF AGRICULTURE

Washington, D. C., September 1951



PLANT MATERIAL INTRODUCED BY THE DIVISION OF PLANT EXPLORATION AND INTRODUCTION, BUREAU OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING, AGRICULTURAL RESEARCH ADMINISTRATION, JANUARY 1 TO DECEMBER 31, 1944 (Nos. 147633 to 150208)

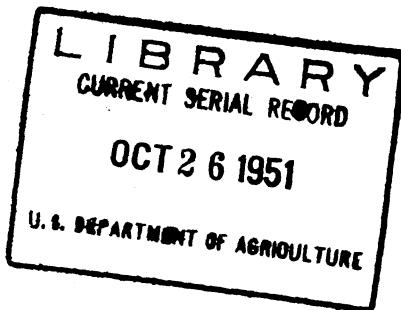
CONTENTS

	Page
Inventory	3
Index of common and scientific names	111

This inventory, No. 152, lists the plant material (Nos. 147633 to 150208) received by the Division of Plant Exploration and Introduction during the period from January 1 to December 31, 1944. It is a historical record of plant material introduced for Department and other specialists, and is not to be considered as a list of plant material for distribution.

PAUL G. RUSSELL,
Botanist.

*Plant Industry Station,
Beltsville, Md.*



1950
JAN 10 1950
1950
1950

193966

INVENTORY

147633. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From Iran. Seeds collected by Dr. Walter Koelz, Tehran; agent, Bureau of Plant Industry, Soils, and Agricultural Engineering. Seeds collected at Karaj, and forwarded by H. E. Myers, Foreign Service Auxiliary, American Legation, Cairo, Egypt. Received February 3, 1943.

A variety said to be of exceptional yield and of excellent bread-making quality.

147634. ZEA MAYS L. Poaceae. Corn.

From Peru. Seeds collected by Carl O. Grassl, Bureau of Plant Industry, Soils, and Agricultural Engineering, December 12, 1943.

Grown by the Ticuna Indians in Peru in a region opposite the mouth of the Loretto-yacu River in Colombia.

Sweet corn; selected from 500 ears of various starchy types.

147635. LYCOPERSICON ESCULENTUM var. CERASIFORME (Dun.) A. Gray. Solanaceae. Tomato.

From Ecuador. Seeds presented by Ernesto Molestina O., Director General of Agriculture, Quito. Received January 1, 1944.

147636. PUYA DASYLIRIOIDES Standl. Bromeliaceae.

From Costa Rica. Seeds presented by Richard G. Atkinson and David Barry, Jr., of Los Angeles, Calif. Received February 7, 1944.

A spiny plant 3 to 8 feet high, with pineapple-like foliage. Native to Costa Rica.

147637 to 147645.

From Mexico. Seeds presented by Raymond W. Schulz, Cuernavaca, Morelos. Received January 26, 1943.

147637. ABELMOSCHUS ESCULENTUS (L.) Moench. (*Hibiscus esculentus* L.). Malvaceae. Okra.

147638. CAPSICUM FRUTESCENS L. Solanaceae. Redpepper.
Chile japonese; fruit three-fourths inch in diameter.

147639. CESTRUM NOCTURNUM L. Solanaceae. Nightblooming jessamine.

A West Indian shrub 4 to 12 feet high with ovate-acuminate leaves, and clusters of fragrant, tubular, creamy-yellow flowers that open at night.

147640. CHAMAEDOREA sp. Phoenicaceae. Palm.
Used as a house plant.

147641. AMARYLLIS sp. Amaryllidaceae.
Flowers deep red, very large.

147642. PASSIFLORA EDULIS Sims. Passifloraceae. Purple granadilla.
For previous introduction see 114985.

147643. PSIDIUM GUAJAVA L. Myrtaceae. Guava.
Fruits small, red; of acid-sweet flavor.
For previous introduction see 135091.

147644 and 147645. RICINUS COMMUNIS L. Euphorbiaceae. Castor-bean.
147644. Red-seeded.

147645. White-seeded.

147646. *VITIS* sp. Vitaceae. **Grape.**
From Texas. Cuttings purchased from Wolf's Nursery, Stephenville. Received February 9, 1944.
Cloeta.
147647. *FESTUCA RUBRA* L. Poaceae. **Red fescue.**
From Canada. Seeds presented by the Department of Agriculture, Central Experiment Farm, Ottawa, Ontario.
147648. *LOLIUM PERENNE* L. Poaceae. **Perennial ryegrass.**
From Canada. Seeds presented by the Experimental Farm, Agassiz, British Columbia. Received February 9, 1944.
147649. *CINCHONA PITAYENSIS* Wedd. Rubiaceae.
From Colombia. Seeds presented by R. H. Allee, Foreign Agricultural Relations, United States Department of Agriculture. Received February 19, 1944. From Popayan.
- 147650 to 147669. *PISUM SATIVUM* L. Fabaceae. **Pea.**
From Connecticut. Seeds purchased from the Associated Seed Growers, New Haven. Received January 27, 1944.
- | | |
|-------------------------------|---------------------------------|
| 147650. <i>Alderman.</i> | 147660. <i>Onward.</i> |
| 147651. <i>Canner King.</i> | 147661. <i>Perfection.</i> |
| 147652. <i>Climax.</i> | 147662. <i>Pride.</i> |
| 147653. <i>Early Harvest.</i> | 147663. <i>Prince of Wales.</i> |
| 147654. <i>Gilbo.</i> | 147664. <i>Profusion.</i> |
| 147655. <i>Glacier.</i> | 147665. <i>Shasta.</i> |
| 147656. <i>Green Admiral.</i> | 147666. <i>Surprise.</i> |
| 147657. <i>Major.</i> | 147667. <i>Stratagem.</i> |
| 147658. <i>Multifold.</i> | 147668. <i>Teton.</i> |
| 147659. <i>Number 40.</i> | 147669. <i>Thomas Laxton.</i> |
- 147670 to 147686. *ZEA MAYS* L. Poaceae. **Corn.**
From Colombia. Seeds collected by C. O. Grassl, Bureau of Plant Industry, Soils, and Agricultural Engineering. Received January 29, 1944.
No detailed notes.
- 147687 to 147696.
From Brazil. Seeds collected by J. T. Baldwin, Jr., Blandy Experimental Farm, Boyce, Va. Received January 19, 1944.
Material collected in the State of Mato Grosso.
147687. *ARISTOLOCHIA* sp. Aristolochiaceae.
From Guajara-mirim, Guajara Territory. December 7, 1943.
147688. *ASCLEPIAS* sp. Asclepiadaceae.
From Corumba. December 4, 1943.
147689. *COCHLOSPERMUM* sp. Cochlospermaceae.
From Guajara-mirim, Guajara Territory. December 7, 1943.
147690. *CORDIA* sp. Boraginaceae.
From Guajara-mirim, Guajara Territory. December 7, 1943.
147691. *CUCUMIS MELO* L. Cucurbitaceae. **Muskmelon.**
From Guajara-mirim, Guajara Territory. December 7, 1943.

147687 to 147696—Continued

147692. *GOSSYPIUM*. Malvaceae. **Cotton.**

From Abuna-Guajara. December 9, 1943.

Uncultivated.

147693. *JATROPHA* sp. Euphorbiaceae.

From Abuna-Guajara. December 9, 1943.

147694. *NICOTIANA TABACUM* L. Solanaceae. **Common tobacco.**

From Corumba. December 4, 1943.

Baldwin 3143.

147695. *NICOTIANA* sp. **Tobacco.**

From Guajara-mirim, Guajara Territory. December 6, 1943.

147696. *SWARTZIA* sp. Caesalpiniaceae.

From Guajara-mirim, Guajara Territory. December 7, 1943.

Small tree about 6 feet high.

147697. *SORGHUM VULGARE* Pers. Poaceae. **Sorghum.**

From French Guiana. Seeds presented by the Governor, Cayenne. Received January 19, 1944.

147698 to 147702:

From Belgian Congo. Seeds presented by the INEAC Botanic Garden, Eala, through E. A. Menninger, Stuart, Fla. Received January 28, 1944.

147698. *CYNOMETRA SESSILIFLORA* var. *LAURENTII* (Wildem.) Lebrun. Caesalpiniaceae.

147699. *DANIELLA THURIFERA* J. J. Benn. Caesalpiniaceae.

147700. *HEINSIA PULCHELLA* (G. Don) Schum. Rubiaceae.

147701. *MILLETTIA LAURENTII* Wildem. Fabaceae.

147702. *MILLETTIA VERSICOLOR* Baker.

147703 and 147704.

From Florida. Seeds presented by the County Nursery, Coconut Grove, through W. T. Swingle, Bureau of Plant Industry, Soils, and Agricultural Engineering. Received January 3, 1944.

147703. *ALECTRYON SUBCINEREUM* (A. Gray) Radlk. (*Nephelium leiocarpum* F. Muell.) Sapindaceae.

A small evergreen tree, native to southeastern Australia, and closely related to the lychee (*Litchi chinensis*).

147704. *VITEX PARVIFLORA* Juss. Verbenaceae. **Chaste-tree.**

A Philippine timber tree with hard, pale-yellow wood said to be highly resistant to termites and fungi, and to the action of sea water.

147705 and 147706.

From Peru. Seeds presented by Bernardo Moravsky, Lima. Received January 13, 1944.

147705. *COPAIFERA* sp. Caesalpiniaceae.

147706. *MYROXYLON BALSAMUM* (L.) Harms. (*M. toluiferum* H.B.K.). Fabaceae.

A South American tree that is the source of balsam of Tolu, a substance used in medicine and as a fixative for perfumes.

For previous introduction see 72439.

- 147707. ZEA MAYS L. Poaceae. Corn.**
 From Maryland. Seeds obtained from the Division of Cereal Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received January 20, 1944.
Tuxpam. Grown in Louisiana.
- 147708. CROTALARIA JUNCEA L. Fabaceae. Sunn-hemp.**
 From Florida. Seeds obtained through the Division of Cotton and Other Fiber Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received January 27, 1944.
 Grown at Homestead.
 For previous introduction see 145795.
- 147709. GARCIA NUTANS Vahl. Euphorbiaceae.**
 From Mexico. Plants presented by S. J. Lynch, Subtropical Experimental Station, Homestead, Fla. Numbered February 2, 1944.
- 147710. CEIBA ACUMINATA (S. Wats.) Rose. Bombacaceae. Pochote.**
 From Mexico. Seeds presented by Alfonso P. Zepeda, San Javier, Sonora. Received February 5, 1944.
 For previous introduction see 134523.
- 147711. PUERARIA THUNBERGIANA (Sieb. & Zucc.) Benth. Fabaceae. Kudzu.**
 From Virginia. Crowns obtained through the Soil Conservation Service, United States Department of Agriculture, Washington, D. C. Received February 7, 1944.
 From the Soil Conservation Service Nursery at Sandy Level.
 For previous introduction see 146719.
- 147712. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.**
 From Costa Rica. Seeds presented by Prof. José Maria Orozco, University of Costa Rica, San José. Received January 11, 1944.
Tomatillo Carne.
- 147713. ESENBECIA RUNYONI Morton. Rutaceae.**
 From Texas. Seeds collected by Robert Runyon, Brownsville. Received January 12, 1944.
 A tree about 30 feet high, with a round top and bright-green trifoliate leaves that remain on the tree until spring. The tree usually blooms twice annually, in May and November; the fruit from the early flowers maturing in August. The symmetrical panicle produces many hundreds of small, white, fragrant flowers. A dozen or so fruits set on each panicle and grow until most of them are about 5 cm. in diameter, and then all but one or two fall off. The tree is very rare and is known only from Cameron County, Tex. The seeds of *Esenbeckia* are ejected from the mature capsules with considerable force.
- 147714. NICOTIANA TABACUM L. Solanaceae. Common tobacco.**
 From North Carolina. Seeds purchased from Roy Waynick, Reidsville. Received January 12, 1944.
Variety 400.
- 147715 to 147717. AMYGDALUS PERSICA L. Amygdalaceae. Peach.**
 From California. Plants purchased from the Armstrong Nursery Co., Ontario. Received January 13, 1944.

147715 to 147717—Continued

- 147715. *Babcock*.
- 147716. *C. O. Smith*.
- 147717. *Golden Blush*.

147718. PHYLLOSTACHYS BAMBUSOIDES Sieb. & Zucc. Poaceae. Bamboo.

From Georgia. Presented by Miss Bessie Woolfolk, James. Received April 26, 1937.

A bamboo originally received from Europe under the name "Phyllostachys mitis."

147719 to 147784. VITIS. Vitaceae. Grape.

From California. Cuttings obtained through Elmer Snyder, United States Horticultural Field Station, Fresno. Received January 13, 1944.

147719 to 147739. Rootstock varieties.

- | | |
|--|---|
| 147719. <i>Adobe Giant</i> . | 147730. <i>Monticola</i> × <i>Riparia</i> No. 18808. |
| 147720. <i>Aramon</i> × <i>Rupestris</i> Ganzin No. 1. | 147731. <i>Monticola</i> × <i>Riparia</i> No. 18815. |
| 147721. <i>Aramon</i> × <i>Rupestris</i> Ganzin No. 2. | 147732. <i>Monticola</i> × <i>Rupestris</i> . |
| 147722. <i>Australis</i> . | 147733. <i>Mourvedre</i> × <i>Rupestris</i> No. 1202. |
| 147723. <i>Barnes</i> . | 147734. <i>Riparia</i> × <i>Rupestris</i> No. 101-14. |
| 147724. <i>Berlandieri</i> × <i>Riparia</i> No. 420A. | 147735. <i>Riparia</i> × <i>Rupestris</i> No. 3306. |
| 147725. <i>Contantia</i> (<i>V. rupestris</i>). | 147736. <i>Riparia</i> × <i>Rupestris</i> No. 3309. |
| 147726. <i>Cordifolia</i> × <i>Riparia</i> No. 125-1. | 147737. <i>Rupestris</i> St. George. |
| 147727. <i>Dog Ridge</i> . | 147738. <i>Solonis</i> × <i>Othello</i> No. 1613. |
| 147728. <i>Lenoir</i> . | 147739. <i>Salt Creek</i> . |
| 147729. <i>Monticola</i> × <i>Riparia</i> No. 18804. | |

147740 to 147761. Wine varieties

- | | |
|---|---|
| 147740. <i>Alicante Bouschet</i> . | 147752. <i>Mission</i> . |
| 147741. <i>Aramon</i> . | 147753. <i>Palomino</i> . |
| 147742. <i>Barbera</i> . | 147754. <i>Pinot Noir Eppernay</i> . |
| 147743. <i>Burgen</i> . | 147755. <i>Refosco</i> . |
| 147744. <i>Cabernet Sauvignon</i> . | 147756. <i>Semillon</i> . |
| 147745. <i>Carignane</i> . | 147757. <i>Traminer</i> (<i>Gewurz Traminer</i>). |
| 147746. <i>Chasselas Fontainebleau</i> . | 147758. <i>Sylvaner</i> . |
| 147747. <i>Feher Szagos</i> . | 147759. (No data.) |
| 147748. <i>Green Hungarian</i> . | 147760. <i>Valdepenas</i> . |
| 147749. <i>Grenache</i> . | 147761. <i>Zinfandel</i> . |
| 147750. <i>Malvasia Blanca</i> . | |
| 147751. <i>Malvoise</i> (<i>Cinsaut</i>). | |

147719 to 147784—Continued

147762 to 147784. Table varieties.

147762. <i>Agadia</i> .	147774. <i>Kandihar</i> .
147763. <i>Alexandria</i> .	147775. <i>Malaga</i> .
147764. <i>Black Hamburg</i> .	147776. <i>Molinera</i> .
147765. <i>Black Prince</i> .	147777. <i>Ohanez</i> .
147766. <i>Black Monukka</i> .	147778. <i>Olivetta Blanche</i> .
147767. <i>Cornichon</i> .	147779. <i>Panariti</i> .
147768. <i>Damas Rose</i> .	147780. <i>Prune de Cazouls</i> .
147769. <i>Dattier de Beyrouth</i> .	147781. <i>Purple Damascus</i> .
147770. <i>Emperor</i> .	147782. <i>Riviere</i> .
147771. <i>Flame Tokay</i> .	147783. <i>Rish Baba</i> .
147772. <i>Gros Colmann</i> .	147784. <i>Sultanina</i> .
147773. <i>Gros Maroc</i> .	

147785 and 147786. PRUNUS ARMENIACA L. Amygdalaceae.

Apricot.

From China. Scions presented by C. B. Holton, Sinkiang. Received January 14, 1944.

Collected at Tang Wang Chuan, 35 miles southwest of Lanchow, Kansu Province.

147785. No. 1.

147786. No. 2.

147787 to 147796.

From Massachusetts. Seeds purchased from F. W. Schumacher, Jamaica Plain, Boston. Received January 14, 1944.

147787. BETULA LENTA L. Betulaceae.

147788. PICEA PUNGENS Engelm. Pinaceae.

147789. SEQUOIA SEMPERVIRENS (Lamb.) Endl. Pinaceae. Redwood.

147790. CARYA ILLINOENSIS (Wang.) K. Koch. Juglandaceae. Pecan.

147791. CEANOTHUS AMERICANUS L. Rhamnaceae. New Jersey tea.

For previous introduction see 136661.

147792 and 147793. CLADRASTIS LUTEA (Michx. f.) K. Koch. Fabaceae. Yellow-wood.

No. 147793 was received as *C. tinctoria*, now considered a synonym of the above.

147794. JUGLANS NIGRA L. Juglandaceae. Black walnut.

147795. MYRICA CERIFERA L. Myricaceae.

147796. PRUNUS ILICIFOLIA (Nutt.) Walp. Amygdalaceae. Cherry-laurel.

For previous introduction see 52993.

147797. ARACHIS HYPOGAEA L. Fabaceae.

Peanut.

From Canada. Seeds presented by Duncan Snider, Dashwood, Ontario. Received January 20, 1944.

147798 to 147823.

From China. Seeds collected by W. C. Lowdermilk, United States Department of Agriculture, through the American Embassy, Chungking. Received January 1, 1944.

147798 to 147823—Continued

147798. *AGROPYRON* sp. Poaceae. Grass.
 From Triangle City, northern China.
 Nos. 147799 to 147803. From Tsien-shu, southern Kansu.
147799. *ANDROPOGON ISCHAEMUM* L. Poaceae. Grass.
147800. *ANDROPOGON* sp.
147801. *ASTRAGALUS* sp. Fabaceae.
147802. *ASTRAGALUS* sp.
147803. *CHLORIS VIRGATA* Swartz. Poaceae. Feather fingergrass.
147804. *ELYMUS* sp. Poaceae. Grass.
 From Hwang-yuen.
147805. *ELYMUS* sp.
 From Kong-Ho.
147806. *ELYMUS* sp.
 From Yong-chan, Chang-yieh, Kansu.
147807. *ELYMUS* sp.
 From Hwa-chia-ling, Kansu.
147808. *ELYMUS* sp.
 From Wu-so-ling, Kansu.
147809. *ELYMUS* sp.
 From Hwang-yuen, Tsing-hai.
- 147810 and 147811. *LESPEDEZA CUNEATA* (Dum.-Cours.) G. Don. Fabaceae.
 For previous introduction see 145861.
147810. (No locality data.)
147811. From Tsien-shu.
147812. *LESPEDEZA DAURICA* (Laxm.) Schindler. Fabaceae. Bushclover.
 From Tsien-shu.
 For previous introduction see 111202.
147813. *MELICA SCABROSA* Trin. Poaceae. Grass.
 From Se-Ning.
 For previous introduction see 113194.
147814. *PENNISETUM ALOPECUROIDES* (L.) Spreng. Poaceae. Grass.
 From Tsien-shu.
 For previous introduction see 90191.
147815. *PENNISETUM FLACCIDUM* Griseb.
 From Hwa-chia-ling.
 For previous introduction see 114268.
147816. *POA* sp. Poaceae.
 From Se-Ning.
147817. *POA* sp.
 From Shan-Shang, Ta-tung.
147818. *SOPHORA ALOPECUROIDES* L. Fabaceae.
 From dry places, Ho-tsi.
 For previous introduction see 111193.

147798 to 147823—Continued

147819. *STIPA SPLENDENS* Trin. Poaceae. Feathergrass.
From Technical College, Tao River.
For previous introduction see 123261.

147820. *STIPA* sp.
From Tsing-hai, Kansu.

147821. *STIPA* sp.
From Tsing-hai; said to be poisonous to horses, acting as a narcotic.

147822. *THERMOPSIS LANCEOLATA* R. Br. Fabaceae.
For previous introduction see 111099.

147823. *ZEA MAYS* L. Poaceae. Corn.
From Tsien-shu.

147824 to 147844. *SORGHUM VULGARE* Pers. Poaceae. Sorghum.

From Ethiopia. Seeds presented by E. W. Brandes, Division of Sugar Plants, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received February 2, 1944.

147824. *Adem Gab No. 19.* From Waibr, Diredawa.
147825. *Cherchero No. 8.* From Karsa, Chercher.
147826. *Fandisha netch No. 14.* From Karsa, Chercher.
147827. *Fandisha No. 3.* From Dengego, Harrar.
147828. *Jehlide No. 22.* From Waibr, Diredawa.
147829. *Mehaisuge beecha No. 16.* From Djello, Diredawa.
147830. *Mehaisuge Khai No. 18.* From Djello, Diredawa.
147831. *Mehaisuge netch No. 17.* From Djello, Diredawa.
147832. *Moogra dahuga No. 4.* From Dengego, Harrar.
147833. *Moogra denga Khai No. 9.* From Karsa, Chercher.
147834. *Moogra netch No. 12.* From Karsa, Chercher.
147835. *Moogra partoncan No. 11.* From Karsa, Chercher.
147836. *Mugera No. 20.* From Waibr, Diredawa.
147837. *Orange No. 1.* From Baijo, Shoa.
147838. *Sumac No. 2.* From Baijo, Shoa.
147839. *Tokore (not sweet) No. 7.* From Arramaya.
147840. *Tokoreta No. 5.* From Dengego, Harrar.
147841. *Weybeta No. 21.* From Waibr, Diredawa.
147842. *Wurrabeisa No. 6.* From Lake Arramaya.
147843. *No. 13.* From Karsa, Chercher.
147844. *No. 15.* From Karsa, Chercher.

147845 to 147861.

From China. Seeds collected by R. G. Johnson, Animal Husbandry Department, Oregon State College, Corvallis. Received January 21, 1944.

- 147845 to 147847. *AGROPYRON CRISTATUM* (L.) Gaertn. Poaceae. Crested wheatgrass.
147845. From Ho-nan-shan.
147846. From Temple Grounds, Ninghin, Inner Mongolia, August 28, 1943.
147847. From Temple Grounds, Ninghin, Inner Mongolia, August 28, 1943.

147845 to 147861—Continued

147848. *AGROPYRON* sp.
From Temple Grounds, Ho-nan-shan.
147849. *AGROPYRON* sp.
From Temple Grounds, Ninghin, Inner Mongolia.
147850. *AGROPYRON* sp.
From Ninghin, Inner Mongolia.
147851. *ASTRAGALUS SINICUS* L. Fabaceae.
From Chengtu.
For previous introduction see 90107.
147852. *ELYMUS* sp. Poaceae. Grass.
From Ho-nan-shan.
147853. *ELYMUS* sp.
From Temple Grounds, Ninghin, Inner Mongolia.
147854. *ELYMUS* sp.
From Temple Grounds, Ninghin, Inner Mongolia.
147855. *LESPEDEZA* sp. Fabaceae.
From Ala Shan; used as forage for sheep.
147856. *MEDICAGO HISPIDA* var. *DENTICULATA* (Willd.) Urban. Fabaceae. Bur-clover.
From Chengtu.
- 147857 and 147858. *MEDICAGO LUPULINA* L. Fabaceae. Black medic.
147857. From Chengtu.
147858. From Temple Grounds, Ho-nan-shan.
147859. *MEDICAGO SATIVA* L. Fabaceae. Alfalfa.
From Kansu, West of Hanchow.
147860. *TRIFOLIUM REPENS* L. Fabaceae. White clover.
From Chengtu.
147861. *STIPA* sp. Poaceae. Grass.
- 147862 to 147883. *ORYZA SATIVA* L. Poaceae. Rice.
From Maryland. Seeds obtained through the division of Cereal Crops and Diseases, Bureau of Plant Industry, Soils and Agricultural Engineering, Beltsville. Received February 7, 1944.
- | | |
|----------------------------------|-------------------------------|
| 147862. <i>Acadia.</i> | 147873. <i>Hattan.</i> |
| 147863. <i>Blue Rose.</i> | 147874. <i>Honduras.</i> |
| 147864. <i>Calady, 40.</i> | 147875. <i>Iola.</i> |
| 147865. <i>Caloro.</i> | 147876. <i>Nira.</i> |
| 147866. <i>Cotusa.</i> | 147877. <i>Onsen.</i> |
| 147867. <i>Delitus.</i> | 147878. <i>Rexora.</i> |
| 147868. <i>Early Prolific.</i> | 147879. <i>Shoemed.</i> |
| 147869. <i>Early Blue Rose.</i> | 147880. <i>Storm Proof.</i> |
| 147870. <i>Early Wataribune.</i> | 147881. <i>Wasa Shinriki.</i> |
| 147871. <i>Edith.</i> | 147882. <i>Wataribune.</i> |
| 147872. <i>Fortuna.</i> | 147883. <i>Zenith.</i> |

147884 and 147885. SORGHUM VULGARE Pers. Poaceae. Sorghum.

From French West Africa. Seeds presented by the Gouvernement General de l'Afrique Occidentale Francaise, Dakar. Received January 24, 1944.

147884. *Haousoa Boutelil*.

147885. *Haousoa Tralil*.

147886 to 147893.

From Madagascar and Africa. Seeds collected by A. T. Semple, Soil Conservation Service, United States Department of Agriculture. Received January 25, 1944.

147886 and 147887. From near Ihoso, Madagascar, August, 1943.

147886. *ABRUS PRECATORIUS* L. Fabaceae.

Rosary-pea.

For previous introduction see 113300.

147887. *BAUHINIA* sp. Caesalpiniaceae.

147888. *CASUARINA* sp. Casuarinaceae.

From João Bell, Mozambique, November 20, 1943.

147889. *PAHUDIA* sp. Caesalpiniaceae.

"Ebony" seeds.

147890. *TECOMA* sp. Bignoniaceae.

From Beira, Mozambique, November 13, 1943.

Flowering tree.

147891. *TECOMA* sp.

From Praetorius Kop, Kruger National Park, Transvaal, October 17, 1943.

147892. *TECOMA* sp.

Seeds obtained from Mr. Pierneef, Pretoria, Transvaal, September 28, 1943.

147893. *TELFAIRIA PEDATA* (J. E. Smith) Hook. Cucurbitaceae.

From near Inhambane, Mozambique, November 1943.

For previous introduction see 140076.

147894 to 147901.

From Brazil. Seeds collected by J. T. Baldwin, Jr., Bureau of Plant Industry, Soils, and Agricultural Engineering. Received January 25, 1944.

Nos. 147894 to 147898, from Rio Branco, Acre Territory.

147894. *ERYTHRINA* sp. Fabaceae.

147895. *LAGENARIA LEUCANTHA* (Duchesne) Rusby. Cucurbitaceae.

Calabash gourd.

147896. *NICOTIANA TABACUM* L. Solanaceae.

Common tobacco.

147897. *PASSIFLORA* sp. Passifloraceae.

147898. *PTEROCARPUS* sp. Fabaceae.

147899. *RANDIA* sp. Rubiaceae.

From São Luis, Acre Territory.

Nos. 147900 and 147901, from Rio Branco, Acre Territory.

147900. *SORGHUM* sp. Poaceae.

147901. *VIGNA SINENSIS* (Torner) Hassk. Fabaceae.

Cowpea.

147902 to 147904.

From Maryland. Seeds obtained through the Division of Tobacco Investigations, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received February 14, 1944.

147902. *NICOTIANA GLAUCA* R. Grah. Solanaceae.

147903 and 147904. *NICOTIANA RUSTICA* L. Aztec tobacco.

147903. *Brasilia*.

147904. *Olson 68*.

147905 to 147907.

From Maryland. Seeds obtained through the Division of Fruit and Vegetable Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received February 17, 1944.

147905. *LACTUCA SATIVA* L. Cichoriaceae. Garden lettuce.

147906. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. Tomato.

147907. *PHASEOLUS LUNATUS* L. Fabaceae. Lima bean.

147908. CINCHONA MICRANTHA Ruiz & Pav. Rubiaceae.

From Peru. Seeds presented by W. H. Hodge, Quebrada Lluplate, Department of Amazonas, through the Foreign Economic Administration, Washington, D. C. Received February 9, 1944.

For previous introduction see 147627.

147909 to 147914.

From South America. Seeds presented by K. G. Cone, Cinchona Section, Foreign Economic Administration. Received February 9, 1944.

147909 to 147913. *CINCHONA OFFICINALIS* L. Rubiaceae.

Collected at Coroico, Bolivia.

147909. *Calisaya hoja morada*.

147910. *Calisaya hoja peluda verde*.

147911. *Calisaya hoja peluda verde*.

147912. *Calisaya verde*.

147913. *Calisaya verde*.

147914. *CINCHONA* sp.

Collected at Pomacocha, Province of Bongara, Department of Amazonas, Peru.

147915 to 147939. SORGHUM VULGARE Pers. Poaceae. Sorghum.

From Ethiopia. Seeds collected by E. W. Brandes, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Maryland. Received February 17, 1944.

147915. *No. 42 Aincharo*. From Weliso.

147916. *No. 44 Chebute*. From Baycho.

147917. *No. 31 Dapo*. From Sakoru.

147918. *No. 45 Deshe*. From Baycho.

147919. *No. 23 Djengwol*. From Ankober.

147920. *No. Facha-a*. From Abelti.

147921. *No. 26 Fachao*. From Kaichama.

147922. *No. 34 Fachao*. From Kubunti.

147923. *No. 39 Fachao*. From Abelti.

147915 to 147939—Continued

147924. No. 32 *Gebabe Ancharo*. From Sakoru.
 147925. No. 38 A *Gehragi-kai*. From Abelti.
 147926. No. 25 *Gobo*. From Kaichama.
 147927. No. 41 *Kai Tinkish*. From Goro.
 147928. No. 43 *Kai Zanugada*. From Baycho.
 147929. No. 29 *Koleche*. From Marawa.
 147930. No. 28 *Lule*. From Marawa.
 147931. No. 27 *Maho*. From Marawa.
 147932. No. 40A *Maho*. From north of Gibbe crossing.
 147933. No. 30 *Maho verro*. From Sakoru.
 147934. No. 35 *Mab*. From Kebunti.
 147935. No. 24 *Moogra beccha*. From Ankober.
 147936. No. 38 *Munyebalash*. From Abelti.
 147937. No. 33 *Tinkush*. From Sakoru.
 147938. No. 37 *Uki*. From Abelti.
 147939. No. 36 *Zangada Tinkush*. From Abelti.

147940 to 147944. CARICA PAPAYA L. Papayaceae. **Papaya.**

From Florida. Seeds obtained from the Subtropical Fruit Field Station, Division of Fruit and Vegetable Crops and Diseases, Orlando. Received February 17, 1944.

147940. *Ethi-fair*. 147943. *Haiti*.
 147941. *Fairchild*. 147944. *Orlando*.
 147942. *Florida*.

147945 to 147949. .

From Brazil. Seeds collected by J. T. Baldwin, Jr., Bureau of Plant Industry, Soils, and Agricultural Engineering. Received February 7, 1944.

147945. *ANNONA* sp. Annonaceae.
 From Rio Branco, Acre, January 1, 1944.
 147946. *CAESALPINIA* sp. Caesalpinaceae.
 From Porto Velho, Guapore Territory, December 11, 1943.
 147947. *CLEOME* sp. Capparidaceae.
 From Rio Branco, Acre, January 4, 1944.
 147948. *LUCUMA* sp. Sapotaceae.
 From Rio Branco, Acre, January 6, 1944.
 Tree, with 1-seeded fruits the size of walnuts.
 147949. *RANDIA* sp. Rubiaceae.
 From Porto Velho, December 17, 1943.
 Medium-sized tree; fruits as big as oranges.

147950 and 147951.

From Hawaii. Seeds presented by E. A. Menninger, Stuart, Fla. Received February 19, 1944.

- Collected in Honolulu by C. Potter.
 147950. *ALBIZZIA RETUSA* Benth. Mimosaceae.
 147951. *DOLICHANDRONE RHEEDII* Seem. Bignoniaceae.
 For previous introduction see 19273.

147952 and 147953.

From Australia and Hawaii. Seeds presented by E. A. Menninger, Stuart, Fla. Received February 19, 1944.

147952. *LEPTOSPERMUM ABNORME* F. Muell. Myrtaceae.

From Woy Woy, New South Wales, Australia.

147953. *LONCHOCARPUS FORMOSIANUS* DC. Fabaceae.

Collected by C. Potter in Honolulu, Hawaii.

147954 to 147957.

From the Union of South Africa. Seeds presented by E. A. Menninger, Stuart, Fla. Received February 19, 1944.

147954. *MILLETIA GRANDIS* (E. Meyer) Skeels. Fabaceae.

From Kirstenbosch, Cape of Good Hope Province.

147955 to 147957. From Durban, Natal.

147955. *MILLETIA* sp.

147956. *MILLETIA* sp.

147957. *MILLETIA* sp.

147958 to 147965.

From New York. Seeds purchased from Max Schling Seedsmen, Inc., New York. Received February 21, 1944.

147958 to 147963. *DIANTHUS CARYOPHYLLUS* L. Silenaceae. **Carnation.**

147958. *Beauty of Nice*, rose pink.

147959. *Cannes*, pearl pink.

147960. *Mentone*, scarlet.

147961. *Monaco*, dark velvety crimson.

147962. *San Remo*, pure yellow.

147963. *Villa Franca*.

147964 and 147965. *LAGENARIA LEUCANTHA* (Duchesne) Rusby. Cucurbitaceae. **Calabash gourd.**

147964. Mixed large-fruited sorts.

147965. Mixed small-fruited sorts.

147966. PHALARIS ARUNDINACEA L. Poaceae. **Reed canarygrass.**

From Oregon. Seeds presented by H. A. Schoth, Agricultural Experiment Station, Corvallis. Received February 22, 1944.

Superior reed canarygrass.

For previous introduction see 136348.

147967 to 147970.

From Maryland. Seeds and clones obtained from the Division of Drug and Related Plants, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received February 23, 1944.

147967. *DIGITALIS LANATA* Ehrh. Scrophulariaceae.

Seeds.

For previous introduction see 104575.

147968. *EPHEDRA GERARDIANA* Wall. Gnetaceae.

Clones.

For previous introduction see 114244.

147967 to 147970—Continued

147969 and 147970. EPHEDRA SINICA Stapf.

For previous introduction see 92980.

147969. Seeds.

147970. Clones.

147971 and 147972.

From Brazil. Tubers collected by J. T. Baldwin, Jr., Bureau of Plant Industry, Soils, and Agricultural Engineering. Received February 14, 1944.

147971. IPOMOEA sp. Convolvulaceae.

Q. 2789. *Batata Purgativa*.

147972. IPOMOEA BATATAS (L.) Lam.

Sweetpotato.

147973 to 147975. MELINIS MINUTIFLORA Beauv. Poaceae.

Molasses grass.

From Venezuela. Seeds presented by the American Embassy, Caracas, through the Office of Foreign Agricultural Relations, United States Department of Agriculture. Received February 14, 1944.

147976 to 147981.

From India. Seeds presented by D. J. C. Ramchandami, Botanist, Agriculture Research Station, Sakrand (Sind). Received February 18, 1944.

147976 to 147979. CROTALARIA JUNCEA L. Fabaceae.

Sunn-hemp.

For previous introduction see 147708.

147976. *C. 12*.

147977. From Belgium.

147978. From Jubalpure.

147979. From Sind.

147980. CROTALARIA sp.

Introduced as *Crotalaria laburnifolia*, but the seeds are not of that species.

147981. CROTALARIA sp.

Introduced as *Crotalaria verrucosa*, but the seeds are not of that species.

147982 to 148006.

From Brazil. Seeds presented by Dr. F. Febeliano da Costa Filho, Director, Divisão de Experimentação e Pesquisas, Instituto Agronômico, Campinas, São Paulo. Received February 23, 1944.

147982 and 147983. NICOTIANA TABACUM L. Solanaceae. Common tobacco.

147982. Giant tobacco. Plant O no. 2n 5687.

147983. Giant tobacco. Plant O no. 39 N 5689.

147984 to 148006. ZEA MAYS L. Poaceae.

Corn.

147984. *L. 166-1-1-2.*147990. *L. 754-1.*147985. *L. 278-1-1.*147991. *L. 840-1-2.*147986. *L. 278-1-2.*147992. *L. 1120-2-1.*147987. *L. 422-3.*147993. *L. 1806-1-1.*147988. *L. 483-2-1-2.*147994. *L. 1896-1-1-1.*147989. *L. 606-2-1-1.*147995. *L. 2023-2-1-3.*

147982 to 148006—Continued

147984 to 148006—Continued

- | | |
|-------------------------------|-----------------------------|
| 147996. <i>L. 2065-3-2.</i> | 148002. <i>L. 2233-1-3.</i> |
| 147997. <i>L. 2123-1-1-1.</i> | 148003. <i>L. 2252-1.</i> |
| 147998. <i>L. 2175-3-3.</i> | 148004. <i>L. 2287-2.</i> |
| 147999. <i>L. 2189-2.</i> | 148005. <i>L. 2312-1.</i> |
| 148000. <i>L. 2199-2.</i> | 148006. <i>L. 2316-1.</i> |
| 148001. <i>L. 2232-2-1.</i> | |

148007. CITRUS. Rutaceae.

From Florida. Seeds obtained through W. T. Swingle, Subtropical Fruit Station, Orlando. Received February 24, 1944.

Morton Citrange.

148008 to 148010. MALUS SYLVESTRIS Mill. Malaceae. **Apple.**

From Maryland. Scions purchased from the Bountiful Ridge Nurseries, Princess Anne. Received February 24, 1944.

148008. *Gallia Beauty.*

148009. *Jonathan.*

148010. *Winesap.*

148011 to 148015.

From Maryland. Plants growing at the United States Plant Introduction Garden, Glenn Dale. Numbered February 26, 1944.

148011. CITRUS RETICULATA var. AUSTERA Swingle. Rutaceae.
Suen Kat mandarin.

148012. CITRUS.

Morton Citrange.

148013. CITRUS GRANDIS (L.) Osbeck. **Pummelo.**

Cuban Shaddock. C.P.B. 11893.

148014. CITRUS.

Savage Citrange. C.P.B. 2774.

148015. CITRUS.

Citrange. C.P.B. 45019.

148016 and 148017.

From Virginia. Cuttings presented by Brooke Hunter, Edmonston, Md. Received February 26, 1944.

Collected at Bennet's Creek, Va.

148016. ILEX sp. "Left." Aquifoliaceae. **Holly.**

148017. ILEX sp. "Right."

148018. FESTUCA ELATIOR L. Poaceae. **Meadow fescue.**

From Canada. Seeds purchased from the University of Manitoba, Winnipeg, Manitoba. Received February 26, 1944.

Sturdy Meadow Fescue.

148019 to 148025. IPOMOEA BATATAS (L.) Lam. Convolvulaceae.
Sweetpotato.

From Hawaii. Tubers presented by the Experiment Station of the Hawaiian Sugar Planters' Association, Honolulu. Received February 26, 1944.

148019. *Huamon*. 148023. *Nancy Hall-Hilo*.
148020. *Kaneohe*. 148024. *Nancy Hall-Waialua*.
148021. *Mohihi*. 148025. *Tantalus*.
148022. *Nancy Hall-Aiea*.

148026. ARUNDINARIA SIMONI (Carr.) A. & C. Riviere. Bamboo.

From Florida. Plant presented by the Glen St. Mary Nurseries Co., Glen St. Mary; received in 1929 at the Barbour Lathrop Plant Introduction Garden, Savannah, Ga. Numbered in February 1944.

Originally from near Crescent City, Fla.

148027. TARAXACUM KOK-SAGHYZ Rodin. Cichoriaceae.

From Maryland. Seeds obtained through the Division of Rubber Investigations, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received February 28, 1944.

Grown at Moorhead, Minn.

148028 to 148030.

From Brazil. Seeds collected by J. T. Baldwin, Jr., Blandy Experimental Farm, Boyce, Va. Received February 18, 1944.

Collected at Boca do Acre, Amazonas.

148028. NICOTIANA sp. Solanaceae.
148029. NICOTIANA sp.
148030. SOLANUM COFFEIFOLIUM (Bitter) Morton. Solanaceae.
A shrub up to 3 feet in height, with red, pimentolike fruits.

148031. PHASEOLUS VULGARIS L. Fabaceae. Common bean.

From Maryland. Seeds obtained through the Division of Fruit and Vegetable Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received February 28, 1944.

Logan bean.

Grown at Charleston, S. C.

148032. TRITICUM DURUM Desf. Poaceae. Durum wheat.

From Australia. Seeds presented by A. T. Pugsley, University of Adelaide, Waite Agricultural Institute, Adelaide, South Australia. Received February 29, 1944.

41-85. *Doubbi*.

148033. PRUNUS ARMENIACA L. Amygdalaceae. Apricot.

From Iowa. Tree presented by Snyder Bros. Nurseries, Center Point. Received April 6, 1942.

Sansin.

148034. PRUNUS AVIUM L. Amygdalaceae. Sweet cherry.

From Missouri. Scions presented by Stark Bros., Louisiana. Received March 1, 1944.

Gold.

148035 to 148052.

From Maryland. Plants growing at the United States Plant Introduction Garden, Glenn Dale. Numbered March 1, 1944.

Selections from imported stock.

148035 to 148037. AMYGDALUS PERSICA L. Amygdalaceae. Peach.

148035. B. 37680.

148036. B. 37681.

148037. B. 37682.

148038 to 148052. PRUNUS DOMESTICA L. Amygdalaceae. Common plum.

148038. B. 37683.

148046. B. 37690. (Type 2.)

148039. B. 37684.

148047. B. 37691.

148040. B. 37685.

148048. B. 37692.

148041. B. 37686.

148049. B. 37693.

148042. B. 37687.

148050. B. 37861.

148043. B. 37688.

148051. B. 37862.

148044. B. 37689.

148052. B. 37863.

148045. B. 37690. (Type 1.)

148053 to 148057.

From Maryland. Seeds obtained from the Division of Forage Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received March 1, 1944.

148053. CYNODON DACTYLON (L.) Pers. Poaceae. Bermuda grass.
From Texas.

148054. LOLIUM PERENNE L. Poaceae. Perennial ryegrass.
From Maryland.

148055. PASPALUM DILATATUM Poir. Poaceae. Dallis grass.
From Australia.

148056. TRIFOLIUM sp. Fabaceae. Hubam clover.
From Iowa.

148057. VICIA VILLOSA Roth. Fabaceae. Hairy winter vetch.
From Oregon.

148058 to 148063. GLYCINE MAX (L.) Merrill. Fabaceae. Soybean.

From Maryland. Seeds obtained from the Division of Forage Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received March 3, 1944.

148058. *Bansei*. Grown at Beltsville, Md.

148059. *Edsoy*. Grown at Beltsville, Md.

148060. *Missoy*. Grown at Monetta, S. C.

148061. *Monetta*. Grown at Monetta, S. C.

148062. *Palmetto*. Grown at Monetta, S. C.

148063. *Seminole*. Grown at Monetta, S. C.

148064 and 148065. JUGLANS REGIA L. Juglandaceae. Persian walnut.

From California. Seeds purchased from the Armstrong Nurseries, Ontario. Received March 4, 1944.

148064. *Eureka*.

148065. *Franquette*.

148066. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

From Peru. Seeds collected by Manual M. Manrique, Arequipa. Received February 23, 1944.

148067. PINUS CARIBAEA Morelet. Pinaceae. Slash pine.

From Kentucky. Seeds presented by the Soil Conservation Service Nursery, Paducah. Received March 4, 1944.

For previous introduction see 146686.

148068 to 148076. FRAGARIA. Rosaceae. Strawberry.

From Maryland. Plants obtained from the Division of Fruit and Vegetable Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received March 4, 1944.

148068. <i>Blakemore.</i>	148073. <i>No. 3205.</i>
148069. <i>Dorsett.</i>	148074. <i>No. 3328.</i>
148070. <i>Massey.</i>	148075. <i>No. 3374.</i>
148071. <i>Maytime.</i>	148076. <i>No. 3378.</i>
148072. <i>Missionary.</i>	

148077 to 148081. NICOTIANA TABACUM L. Solanaceae. Common tobacco.

From Maryland. Seeds obtained from the Division of Tobacco Investigations, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received March 4, 1944.

148077. <i>Gold Dollar.</i>	148080. <i>Maryland.</i>
148078. <i>Havana.</i>	148081. <i>400 Special.</i>
148079. <i>Turkish.</i>	

148082 to 148114. SORGHUM VULGARE Pers. Poaceae. Sorghum.

From Ethiopia. Seeds collected by E. W. Brandes, Division of Sugar Plants, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received March 7, 1944.

148082. No. 46 <i>Acherieta.</i>	148100. No. 48 <i>Kai Mashela Belitche.</i>
148083. No. 71 <i>Adesh.</i>	148101. No. 59 <i>Kebedjie.</i>
148084. No. 65 <i>Amelsie.</i>	148102. No. 47 <i>Kielo Begwoda.</i>
148085. No. 53 <i>Bahetie.</i>	148103. No. 62 <i>Mata Tai.</i>
148086. No. 73 <i>Berilie.</i>	148104. No. 69 <i>Mashela Tinqish Batie.</i>
148087. No. 57 <i>Betinie.</i>	148105. No. 68 <i>Megalie.</i>
148088. No. 63 <i>Bekedjie.</i>	148106. No. 61 <i>Motei.</i>
148089. No. 54 <i>Buketie.</i>	148107. No. 77 <i>Nazerut.</i>
148090. No. 50 <i>Chercherie.</i>	148108. No. 64 <i>Netch Addesho Mashela.</i>
148091. No. 56 <i>Chibitie.</i>	148109. No. 55 <i>Netch Agada Tinqish.</i>
148092. No. 49 <i>Debso.</i>	148110. No. 60 <i>Saragie.</i>
148093. No. 52 <i>Delgom.</i>	148111. No. 66 <i>Tuba Djeru.</i>
148094. No. 75 <i>Deletcha.</i>	148112. No. 51 <i>Wogerie Agada.</i>
148095. No. 67 <i>Djeruyie.</i>	148113. No. 74 <i>Wojere.</i>
148096. No. 58 <i>Getetie.</i>	148114. No. 76 (No varietal name.)
148097. No. 78 <i>Getetie.</i>	
148098. No. 72 <i>Gobenti Tinqish Lometa.</i>	
148099. No. 70 <i>Gworad.</i>	

148115. CINCHONA sp. Rubiaceae.

From Peru. Seeds presented by R. C. Lorenz, Estacion Experimental Agricola de Tingo Maria. Received March 9, 1944.

Collected October 1943 to February 1944, at Punizas Cinchona Plantation, near Punizas, District of La Merced, Province of Tarma; altitude 3,675 feet. Trees mostly *Cinchona ledgeriana* type, with a good mixture of other types.

148116 to 148121.

From the Union of South Africa. Seeds presented by the McGregor Museum, Kimberley. Received February 22, 1944.

148116. PENNISETUM CILIARE (L.) Link (*P. cenchroides* Rich.). Poaceae. Grass.

Collected near Kimberley.

148117 to 148119. ERAGROSTIS SUPERBA Peyr. Poaceae. Grass.

148117. Collected at Kimberley Airport.

148118. *Kimberley No. 1.*

148119. *Kimberley No. 2.*

148120. ERAGROSTIS sp.

148121. RHUS UNDULATA var. BURCHELLII (Engl.) Schönl. Anacardiaceae.

An ornamental shrub or small tree, useful as a windbreak.

148122 to 148141.

From Brazil. Seeds presented by F. Febeliano da Costa Filho, Divisão de Experimentação e Pesquisa, Instituto Agronômico, Campinas, São Paulo. Received February 24, 1944.

From the Escola Agricultura, Estado de São Paulo.

148122. CHAPTALIA sp. Asteraceae.

No. 1.

148123. CHAPTALIA sp.

No. 2.

148124. CHAPTALIA sp.

No. 3.

148125. CHAPTALIA sp.

No. 4.

148126. CHAPTALIA sp.

No. 5.

148127. CHAPTALIA sp.

No. 6.

148128. CHAPTALIA sp.

No. 7.

148129 to 148134. Large-flowered strains from Piracicaba.

148129. CHAPTALIA sp.

No. 8.

148130. CHAPTALIA sp.

No. 9.

148131. CHAPTALIA sp.

No. 10.

148132. CHAPTALIA sp.

No. 11.

148122 to 148141—Continued**148129 to 148134—Continued**148133. *CHAPTALIA* sp.

No. 12. From Tuiuti.

148134. *CHAPTALIA* sp.

No. 13. From Campinas.

148135 to 148141. From Escola Agricultura, Piraçicaba.148135. *HYPOCHAERIS* sp. Cichoriaceae.

No. 16.

148136. *HYPOCHAERIS* sp.

No. 17.

148137. *HYPOCHAERIS* sp.

No. 18.

148138. *SONCHUS ASPER* (L.) Hill. Cichoriaceae.

No. 19.

148139. *SONCHUS OLERACEUS* L.

No. 20.

For previous introduction see 144913.

148140. *SONCHUS* sp.

No. 15.

148141. *TARAXACUM* sp. Cichoriaceae.

No. 14.

148142. *FRAGARIA*. Rosaceae.**Strawberry.**

From Maryland. Plants presented by W. F. Jeffers, Agricultural Experiment Station, University of Maryland, College Park. Received March 10, 1944.

*Temple.*148143. *MALUS SYLVESTRIS* Mill. Malaceae.**Apple.**

From Pennsylvania. Scions presented by D. A. Cadsow, Harrisburg. Received March 10, 1944.

*Isaac Newton.*148144. *ARAUCARIA BIDWILLII* Hook. Pinaceae. **Bunya-bunya.**

From Argentina. Seeds purchased from J. A. Diharce & Co., Buenos Aires. Received March 13, 1944.

148145 to 148150. *MALUS SYLVESTRIS* Mill. Malaceae. **Apple.**

From Maryland. Cuttings from trees growing at the United States Plant Introduction Garden, Glenn Dale. Numbered March 13, 1944.

Selections from imported stock.

148145. B. 26316. *Jonathan.*148146. B. 26317. *Canada Red.*148147. B. 26318. *Red Astrakan.*148148. B. 26478. *Haralson.*148149. B. 27583. *Yellow Transparent.*148150. B. 27584. *Dutchess.*

148151 to 148153.

From Maryland. Seeds obtained from the Division of Forage Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received March 15, 1944.

148151. *LESPEDEZA CUNEATA* (Dum.-Cours.) G. Don. Fabaceae.
Grown in Maryland.

For previous introduction see 147811.

148152. *LESPEDEZA STIPULACEA* Maxim. Bushclover.
Grown in Virginia.

For previous introduction see 146270.

148153. *LESPEDEZA STRIATA* (Thunb.) Hook. & Arn. Bushclover.
Grown in Virginia.

For previous introduction see 146271.

148154. *ALLIUM SATIVUM* L. Liliaceae. Garlic.

From California. Bulbs presented by Roy D. McCallum, County Agent, San Benito County, Hollister. Received March 15, 1944.

Late Italian garlic.

148155 to 148173.

From Maryland. Seeds obtained from the Division of Forage Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received March 16, 1944.

148155. *AGROPYRON TRACHYCAULUM* (Link) Malte. Poaceae. Grass.
For previous introduction see 146668.

148156. *AGROSTIS ALBA* L. Poaceae. Redtop.

148157. *AGROSTIS TENUIS* Sibth. Grass.
For previous introduction see 121078.

148158. *ALOPECURUS PRATENSIS* L. Poaceae. Meadow foxtail.
For previous introduction see 136312.

148159. *ARRHENATHERUM ELATIUS* (L.) Beauv. Poaceae. Tall oatgrass.
For previous introduction see 125667.

148160 and 148161. *BROMUS INERMIS* Leyss. Poaceae. Smooth bromegrass.

148162. *DACTYLIS GLOMERATA* L. Poaceae. Orchard grass.

148163 and 148164. *FESTUCA ELATIOR* L. Poaceae. Meadow grass.

148165. *FESTUCA OVINA* L. Sheep fescue.

148166. *FESTUCA RUBRA* L. Red fescue.

148167. *LOLIUM PERENNE* L. Poaceae. Perennial ryegrass.

148168. *LOTUS CORNICULATUS* L. Fabaceae. Birdsfoot trefoil.

148169 and 148170. *PHALARIS ARUNDINACEA* L. Poaceae. Reed canarygrass.
For previous introduction see 147966.

148171. *POA COMPRESSA* L. Poaceae. Canada bluegrass.
For previous introduction see 136354.

148172. *POA PRATENSIS* L. Kentucky bluegrass.

148173. *POA TRIVIALIS* L. Rough bluegrass.

For previous introduction see 133168.

148174. PHALARIS CANARIENSIS L. Poaceae. Canarygrass.

From Maryland. Seeds obtained from the Division of Forage Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received March 17, 1944.

Grown in Pennsylvania.

For previous introduction see 115608.

148175. MALUS SYLVESTRIS Mill. Malaceae. Apple.

From Maryland. Plants growing at the United States Plant Introduction Garden, Glenn Dale. Received March 17, 1944.

B. 27587. Selection from imported stock.

148176 to 148189. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From Maryland. Tubers obtained from the Division of Fruit and Vegetable Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received March 17, 1944.

148176. <i>Chippewa.</i>	148183. <i>Chippewa.</i>
148177. <i>Katahdin.</i>	148184. <i>Katahdin.</i>
148178. <i>Mohawk.</i>	148185. <i>Mohawk.</i>
148179. <i>Potomac.</i>	148186. <i>Potomac.</i>
148180. <i>Sebago.</i>	148187. <i>Sebago.</i>
148181. <i>Sequoia.</i>	148188. <i>Sequoia.</i>
148182. <i>528-118.</i>	148189. <i>528-118.</i>

148190 to 148193. IPOMOEA BATATAS (L.) Lam. Convolvulaceae. Sweetpotato.

From Maryland. Tubers obtained from the Division of Fruit and Vegetable Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received March 18, 1944.

148190. <i>Triumph.</i>	148192. <i>Wenholz 11.</i>
148191. <i>Wenholz 1.</i>	148193. <i>Wennop.</i>

148194 and 148195. FRAGARIA. Rosaceae. Strawberry.

From New Jersey. Plants presented by J. Harold Clark, Agricultural Experiment Station, New Brunswick. Received March 18, 1944.

148194. <i>Pathfinder.</i>
148195. <i>Sparkle.</i>

148196. PRUNUS ILICIFOLIA (Nutt.) Walp. Amygdalaceae. Cherry-laurel.

From New York. Seeds purchased from Herbst Bros., New York. Received March 21, 1944.

For previous introduction see 147796.

148197 to 148202. AMYGDALUS PERSICA L. Amygdalaceae. Peach.

From Texas. Trees purchased from Ramsey's Austin Nursery, Austin. Received March 21, 1944.

148197. <i>Chilow.</i>	148200. <i>Mamie Ross.</i>
148198. <i>Governor Lanham.</i>	148201. <i>Montopolis.</i>
148199. <i>Henrietta.</i>	148202. <i>Williams.</i>

148203. EREMOCITRUS GLAUCA (Lindl.) Swingle (*Atalantia glauca* Benth.). Rutaceae. **Australian desert kumquat.**

From Maryland. Plant growing at the United States Plant Introduction Garden, Glenn Dale. Numbered March 21, 1944.

Originally from the United States Date Garden, Indio, Calif.

For previous introduction see 144156.

148204 to 148215. GLYCINE MAX (L.) Merrill. Fabaceae. **Soybean.**

From Maryland. Seeds obtained from the Division of Forage Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received March 22, 1944.

148204. *Agate*. From Beltsville, Md.

148205. *Bansei*. From Beltsville, Md.

148206. *Dunfield*. From Illinois.

148207. *Earlyana*. From Illinois.

148208. *Giant Green*. From New Jersey.

148209. *Habaro*. From Illinois.

148210. *Hidatsa*. From Beltsville, Md.

148211. *Kabott*. From Illinois.

148212. *Lincoln*. From Illinois.

148213. *Mandarin*. From Illinois.

148214. *Mingo*. From Illinois.

148215. *Wisconsin Manchú 606*. From Illinois.

148216 to 148219. (Undetermined.)

From California. Plants presented by Howard A. Gerbig, 17th Weather Squadron, United States Army Air Force, c/o Postmaster, San Francisco. Received March 23, 1944.

Undetermined orchids.

148220. JUGLANS AUSTRALIS Griseb. Juglandaceae. **Walnut.**

From Argentina. Seeds presented by Rogelia F. Cornejo, Salta, through H. Lorán Blood, Utah Agricultural Experiment Station, Logan. Received March 23, 1944.

From the Andes Mountains, west of Salta.

For previous introduction see 129335.

148221 and 148222.

From Maryland. Seeds obtained from the Division of Cotton and Other Fiber Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received March 23, 1944.

148221. *ASCLEPIAS SYRIACA* L. Asclepiadaceae.

Grown in Nebraska.

148222. *GONOLOBUS LAEVIS* Michx. Asclepiadaceae.

Grown in Kentucky.

148223 to 148229. VITIS. Vitaceae. **Grape.**

From California. Plants purchased from the California Nursery Co., Niles. Received March 23, 1944.

148223. *Black Hamburg*.

148223 to 148229—Continued

148224. *Black Prince (Rose of Peru)*.
 148225. *Golden Chasselle*.
 148226. *Malaga (white)*.
 148227. *Pearl of Scaba*.
 148228. *Rish-Baba*.
 148229. *Zinfandel*.

148230 and 148231.

From Maryland. Seeds obtained from the Division of Fruit and Vegetable Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received March 23, 1944.

148230. LYCOPERSICON ESCULENTUM var. CERASIFORME (Dun.) A. Gray. Solanaceae.
 148231. LYCOPERSICON PIMPINELLIFOLIUM (Jusl.) Mill. Currant tomato.

148232 to 148246. GLYCINE MAX (L.) Merrill. Fabaceae.**Soybean.**

From Maryland. Seeds obtained from the Division of Forage Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received March 24, 1944.

148232. *Aca*. From Beltsville, Md.
 148233. *Armredo*. From Monetta, S. C.
 148234. *Burnette*. From Monetta, S. C.
 148235. *Cherokee*. From Monetta, S. C.
 148236. *Clemson*. From Monetta, S. C.
 148237. *Creole*. From Monetta, S. C.
 148238. *Delsoy*. From Mississippi.
 148239. *Emperor*. From Beltsville, Md.
 148240. *Georgian*. From Monetta, S. C.
 148241. *Hahto-20*. From Beltsville, Md.
 148242. *Nanda*. From Monetta, S. C.
 148243. *Palmetto*. From Monetta, S. C.
 148244. *Rokusum-A*. From Beltsville, Md.
 148245. *Seminole*. From Monetta, S. C.
 148246. *Willomi*. From Beltsville, Md.

148247 to 148252. VITIS. Vitaceae.**Grape.**

From California. Plants purchased from the Armstrong Nurseries, Ontario. Received March 25, 1944.

148247. *Black Hamburg FG 1*.
 148248. *Dattier FG 8*.
 148249. *Golden Muscat FG 13*.
 148250. *Pearl of Casba FG 23*.
 148251. *Rose of Peru (Black Prince) FG 26*.
 148252. *Zinfandel FG 29*.

148253 to 148258. *ORYZA SATIVA* L. Poaceae. **Rice.**

From Maryland. Seeds obtained from the Division of Cereal Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received March 27, 1944.

148253. *Fortuna CI 1344.*148256. *Nira CI 2702.*148254. *Honduras CI 1643.*148257. *Rexoro CI 1779.*148255. *Iola CI 4559.*148258. *Shoemed CI 3625.*148259 and 148260. *GLYCINE MAX* (L.) Merrill. Fabaceae.**Soybean.**

From Hawaii. Seeds presented by A. J. Mangelsdorf, Hawaiian Sugar Planters' Association Experiment Station, Honolulu. Received March 27, 1944.

148259. *Java 29.*148260. *Potchefstroom.*148261. *CEREUS* sp. Cactaceae.

From Colombia. Plants presented by Miguel Lopez Pumarejo, Bogotá. Received March 27, 1944.

*Pitahaya.*148262 to 148268. *AMYGDALUS PERSICA* L. Amygdalaceae. **Peach.**

From Maryland. Trees purchased from the Bountiful Ridge Nurseries, Princess Anne. Received March 28, 1944.

148262. *Early-Red-Fire.*148266. *Hope Farm.*148263. *Fireglow.*148267. *Lizzie.*148264. *Gage Elberta.*148268. *Shipper's Late Red.*148265. *Gemmer's Late Elberta.*148269 to 148272. *NICOTIANA TABACUM* L. Solanaceae.**Common tobacco.**

From Maryland. Seeds obtained from the Division of Tobacco Investigations, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received March 28, 1944.

148269. *Lockwood* (White burley).148270. *Yellow Twist Bud* (White burley).148271. *Cash.*148272. *Virginia Bright Leaf.*148273. *BRILLANTAISIA LAMIUM* Benth. Acanthaceae.

From California. Seeds presented by Kenneth H. Prior, Pasadena. Received February 28, 1944.

A large herb, 3 to 4 feet high, with heart-shaped leaves, and very small deep-blue flowers in lax panicles. Native to tropical Africa.

148274. *TRIFOLIUM PRATENSE* L. Fabaceae. **Red clover.**

From Canada. Seeds presented by the Central Experimental Farm, Ottawa. Received March 21, 1944.

148275 to 148284.

From Angola. Seeds collected by A. T. Semple, Soil Conservation Service, United States Department of Agriculture. Received February 26, 1944.

148275. *CYNODON* sp. Poaceae.**Grass.**

From Umpata and Sã da Bandeira. Very drought-resistant.

148275 to 148284—Continued

148276. ERAGROSTIS sp. Poaceae. Grass.
From near Sã da Bandeira.
148277. ERAGROSTIS sp.
From Umpata.
148278. ERIOCHLOA sp. Poaceae. Grass.
From Quipungo.
148279. ERIOCHLOA sp.
From Umpata.
148280. PANICUM sp. Poaceae. Grass.
From Umpata.
148281. SPOROBOLUS sp. Poaceae. Grass.
From Umpata.
148282. THEMEDA sp. Poaceae. Grass.
From near Sã da Bandeira.
148283. TRICHOLAENA sp. Poaceae. Grass.
From Umpata.
148284. TRICHOLAENA sp. Grass.
From Sã da Bandeira.
148285. PHALARIS CANARIENSIS L. Poaceae. **Canarygrass.**
From Massachusetts. Seeds purchased from Ross Bros. Co., Worcester.
Received March 28, 1944.
- 148286 and 148287. MALUS SYLVESTRIS Mill. Malaceae. **Apple.**
From California. Trees presented by the California Nursery Co., Niles.
Received March 30, 1944.
148286. *English Red Streak.*
148287. *X-ellent.*
148288. MALUS SYLVESTRIS Mill. Malaceae. **Apple.**
From Colombia. Plants presented by Rafael R. Camacho, Bogotá. Received
March 30, 1944.
Eureka.
- 148289 and 148290. HELIANTHUS ANNUUS L. Asteraceae. **Common sunflower.**
From Maryland. Seeds obtained from the Division of Cereal Crops and
Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineer-
ing, Beltsville. Received March 31, 1944.
148289. *Greystripe.*
148290. *Manchurian.*
- 148291 to 148302. GLYCINE MAX (L.) Merrill. Fabaceae. **Soybean.**
From Maryland. Seeds obtained from the Division of Forage Crops and
Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineer-
ing, Beltsville. Received March 31, 1944.
148291. *Arisoy.* Grown in Mississippi.
148292. *Arkan.* Grown in Mississippi.
148293. *Armredo.* Grown in South Carolina.

148291 to 148302—Continued

148294. *Avoyelles*. Grown in South Carolina.
 148295. *Biloxi*. Grown in Mississippi.
 148296. *Magnolia*. Grown in South Carolina.
 148297. *Missoy*. Grown in Mississippi.
 148298. *Ogden*. Grown in Mississippi.
 148299. *Ralsey*. Grown in Mississippi.
 148300. *Seminole*. Grown in South Carolina.
 148301. *Tokyo*. Grown in Mississippi.
 148302. *Volstate*. Grown in Mississippi.

148303 to 148310. TRITICUM AESTIVUM L. Poaceae.

Common wheat.

From Maryland. Seeds obtained from the Division of Cereal Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received March 31, 1944.

Grown at Bozeman, Mont.

- | | |
|-----------------------------------|----------------------------------|
| 148303. <i>Cadet</i> . 12053. | 148307. <i>Pilot</i> . 11945. |
| 148304. <i>Merit</i> . 12036. | 148308. <i>Regent</i> . 12070. |
| 148305. <i>Mida</i> . 12008. | 148309. <i>Rival</i> . 11708. |
| 148306. <i>Newthatch</i> . 12318. | 148310. <i>Thatcher</i> . 10003. |

148311 to 148318.

From China. Seeds obtained through Ray G. Johnson, Oregon State College, Corvallis. Received March 4, 1944.

From Tai Ming, Sikong, 1943.

148311. ASTRAGALUS sp. Fabaceae.

No. 5.

148312. ASTRAGALUS sp.

No. 6.

148313. ASTRAGALUS sp.

No. 7.

148314. MEDICAGO LUPULINA L. Fabaceae.

Black medic.

No. 1.

148315. MELILOTUS sp.

No. 2.

148316. VICIA sp. Fabaceae.

No. 3.

148317. VICIA sp.

No. 4.

148318. VICIA sp.

No. 8.

148319 to 148324. LINUM USITATISSIMUM L. Linaceae. Flax.

From Canada. Seeds presented by R. J. Hutchinson, Chief, Division of Economic Fiber Production, Central Experiment Farm, Ottawa. Received March 4, 1944.

- | | |
|---------------------------------|------------------------------------|
| 148319. <i>Liral Crown</i> . | 148322. <i>Liral Prince</i> . |
| 148320. <i>Liral Dominion</i> . | 148323. <i>Stormont Cirrus</i> . |
| 148321. <i>Liral Monarch</i> . | 148324. <i>Stormont Gossamer</i> . |

148325. CINCHONA PUBESCENS Vahl (*C. succirubra* Pav.).
Rubiaceae.

From Guatemala. Seeds presented by the United States Foreign Economic Administration, Guatemala City. Received March 17, 1944.

For previous introduction see 147377.

148326 to 148329. GOSSYPIUM. Malvaceae. Cotton.

From Maryland. Seeds obtained from the Division of Cotton and Other Fiber Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received March 31, 1944.

148326. *Coker 100 Str. 6*. Grown in South Carolina.

148327. *Delfos*. Grown in Mississippi.

148328. *Deltapine 14*. Grown in Mississippi.

148329. *Stoneville 2 B*. Grown in Mississippi.

148330. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

From China. Seeds obtained through Ray G. Johnson, Corvallis, Oreg. Received March 23, 1944.

Collected in Taufu, Sikong.

148331. PENNISETUM CLANDESTINUM Hochst. Poaceae. Kikuyu grass.

From Colombia. Stolons presented by H. V. Geib, Agricultural Adviser, American Embassy, Bogotá. Received March 31, 1944.

148332. COSMOS sp. Asteraceae.

From Colombia. Seeds collected by B. Y. Morrison, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received March 13, 1944.

Collected between Puerto Tajada, Department of Cauca, and Palmira, Valle. Resembles our orange cosmos in all obvious details except that the flowers are much smaller and rosy pink.

148333 to 148336.

From Hawaii. Seeds presented by the Experiment Station, Hawaiian Sugar Planters' Association, Honolulu. Received March 27, 1944.

148333. *PACHYRHIZUS EROSUS* (L.) Urban (*Cacara erosa* (L.) Kuntze).
Fabaceae. Yam-bean.

No. 3140.

148334 and 148335. *PHASEOLUS VULGARIS* L. Fabaceae. Common bean.

148334. *Kabuto No. 2220*.

148335. *Lualualei No. 964*.

148336. *TEPHROSIA VOGELII* Hook. f. (*Cracca vogelii* (Hook. f.) Kuntze).
Fabaceae.

No. 2910.

For previous introduction see 144321.

148337 to 148339.

From Puerto Rico. Plants presented by Rufus H. Moore, Agricultural Experiment Station, Mayagüez. Received March 1944. Numbered in March 1944.

148337. *LONCHOCARPUS NICOU* var. *UTILIS* (A. C. Smith) Hermann. Fabaceae.

148337 to 148339—Continued

148338 and 148339. DERRIS ELLIPTICA (Roxb.) Benth. Fabaceae.

148338. Var. *Changi* No. 3.

148339. Var. *Sarawak Creeping*.

148340. URENA LOBATA L. Malvaceae.

From Cuba. Seeds purchased from José Garcia Inerarity, Havana. Received March 23, 1944.

For previous introduction see 145797.

148341 and 148342. CINCHONA OFFICINALIS L. Rubiaceae.

From Guatemala. Seeds presented by L. Lind Pettersen, Overseas Estates, Ltd., Economic Warfare. Received March 31, 1944.

148341. No. 1.

148342. No. 2.

148343. MEDICAGO SATIVA L. Fabaceae. **Alfalfa.**

From Chile. Seeds presented by James Fyffe, Chilean Nitrate of Soda Sales Corp., Santiago, through Charles J. Brand, National Fertilizer Assoc., Washington, D. C. Received April 10, 1944.

Peruvian alfalfa from high altitudes.

148344 to 148348.

From Canada. Seeds presented by Dr. M. B. Davis, Central Experimental Farm, Ottawa. Received April 18, 1944.

148344. RUBUS sp. Rosaceae.

Gatineau.

148345. RUBUS sp.

Madawaska.

148346. RUBUS sp.

Ottawa.

148347. RUBUS sp.

Rideau.

148348. RUBUS sp.

Trent.

148349. ALEURITES FORDII Hemsl. Euphorbiaceae. **Tung-oil tree.**

From Maryland. Seeds obtained from the Division of Fruit and Vegetable Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received May 4, 1944.

Georgia Selection 53 (G-53).

148350 to 148353. ARACHIS HYPOGAEA L. Fabaceae. **Peanut.**

From Maryland. Seeds obtained from the Division of Fruit and Vegetable Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received April 4, 1944.

Grown at Holland, Va.

148350. *Improved Spanish 2B.*

148351. *Spanish 18-38.*

148352. *Virginia Station Jumbo.*

148353. *Virginia Runner.*

- 148354 to 148357. AVENA SATIVA L. Poaceae. Oats.**
 From Western Australia. Seeds presented by the Department of Agriculture, Perth. Received April 1, 1944.
148354. *Ballidu P-3412.* 148356. *Mulga P-1195.*
 148355. *Dale P-3413.* 148357. *Wongan P-3090.*
- 148358 to 148360.**
 From Washington, D. C. Seeds obtained from the Nursery Division, Soil Conservation Service. Received April 1, 1944.
148358. *PUERARIA THUNBERGIANA* (Sieb. & Zucc.) Benth. Fabaceae. **Kudzu.**
 Grown in Americus, Ga.
148359. *MUHLENBERGIA PUNGENS* Thurb. Poaceae. **Grass.**
 Grown in New Mexico.
 For previous introduction see 106432.
148360. *PANICUM MAXIMUM* Jacq. Poaceae. **Guinea grass.**
 Grown in North Carolina.
- 148361 and 148362. MALUS SYLVESTRIS Mill. Malaceae. Apple.**
 From New York. Scions presented by the Agricultural Experiment Station, Geneva. Received April 3, 1944.
148361. *Cimetiere.*
 148362. *Marechal.*
- 148363 to 148391.**
 From Maryland. Seeds obtained from the Division of Cereal Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received April 3, 1944.
- 148363 to 148369. *AVENA SATIVA L. Poaceae. Oats.*
148363. *Camellia.* From Aberdeen, Idaho.
 148364. *Cedar.* From Ames, Iowa.
 148365. *Fultex.* From Texas.
 148366. *Letoria.* From Statesville, N. C.
 148367. *Rustler.* From Aberdeen, Idaho.
 148368. *Ventura.* From Manhattan, Kans.
 148369. *Verde.* From College Station, Tex.
- 148370 to 148377. *TRITICUM AESTIVUM L. Poaceae. Wheat.*
 From Bozeman, Mont.
148370. *Caleb.* 148374. *Pilot.*
 148371. *Merit.* 148375. *Regent.*
 148372. *Mida.* 148376. *Rival.*
 148373. *Newthatch.* 148377. *Thatcher.*
- 148378 to 148386. AVENA SATIVA L. Poaceae. Oats.**
148378. *Camellia.* From Aberdeen, Idaho.
 148379. *Carolina Red.* From South Carolina.
 148380. *Cedar.* From Iowa.
 148381. *Fultex.* From Texas.
 148382. *Lelina.* From Aberdeen, Idaho.
 148383. *Letoria.* From North Carolina.

148363 to 148391—Continued

148378 to 148386—Continued

148384. *Ranger*. From Aberdeen, Idaho.148385. *Ventura*. From Kansas.148386. *Verde*. From Texas.

148387 to 148391. LINUM USITATISSIMUM L. Linaceae.

Flax.

From Bozeman, Mont.

148387. *Argentine Type*.148388. *Custer*.148389. *Koto* × *Redwing*.148390. *Koto* × *Redwing F5*.148391. *Renew* × *Bison F5*.

148392 to 148394.

From Washington, D. C. Seeds obtained from the Nursery Division, Soil Conservation Service. Received April 4, 1944.

148392. AGROPYRON CRISTATUM (L.) Gaertn. Poaceae. Crested wheatgrass.

From Pullman, Wash.

148393. VICIA ATROPURPUREA Desf. Fabaceae.

Purple vetch.

From Portland, Oreg.

148394. VICIA VILLOSA Roth.

Hairy winter vetch.

From Portland, Oreg.

148395. AMYGDALUS PERSICA L. Amygdalaceae.

Peach.

From New Jersey. Tree presented by M. A. Blake, New Jersey Experiment Station, New Brunswick. Received April 5, 1944.

Fireglow.

148396 to 148400. PHASEOLUS VULGARIS L. Fabaceae.

Bean.

From Maryland. Seeds obtained from the Division of Fruit and Vegetable Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received April 5, 1944.

148396. *Asgrow Stringless Green Pod*.148397. *Bountiful*.148398. *Idaho Refugee*.148399. *Low's Champion Bush Bean*.148400. *U. S. No. 5 Refugee*.

148401 to 148405.

From Illinois. Scions presented by the Morton Arboretum, Lisle. Received April 10, 1944.

148401. MALUS BACCATA (L.) Moench. Malaceae.

Siberian crab.

Odorata.

148402 to 148405. MALUS.

148402. *Gibb's Golden Gage*.148403. *Lyman Prolific*.148404. *Thomas Roland*.148405. *William Sim*.

148406. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.

From Maryland. Seeds obtained from the Division of Fruit and Vegetable Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received April 10, 1944.

Glovel.

148407 to 148409. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.

From Washington, D. C. Seeds purchased from the F. W. Bolgiano Seed Co. Received April 10, 1944.

148407. *Marglobe.*

148408. *Pritchard.*

148409. *Rutgers.*

148410. BRASSICA OLERACEA var. VIRIDIS L. Brassicaceae. Kale.

From Virginia. Seeds presented by Philip T. Williams, Herndon. Received April 10, 1944.

Chou Moellier (Marrow-stemmed kale from New Zealand).

148411 to 148416. MALUS. Malaceae. Apple.

From Minnesota. Trees purchased from the Brand Peony Farms, Faribault. Received April 12, 1944.

148411. *Lonsdale Crab No. 2.*

148412. *Lonsdale Crab No. 4.*

148413. *Lonsdale Crab No. 12.*

148414. *Lonsdale Crab; Large Best Yellow.*

148415. *Lonsdale Crab; Little Yellow.*

148416. *Lonsdale Crab; Mottled Orange Red.*

148417 to 148426.

From North Dakota. Trees purchased from O. H. Will & Co., Bismarck. Received April 12, 1944.

148417 and 148418. *MALUS BACCATA* (L.) Moench. Malaceae. Siberian crab.

148419 and 148420. *MALUS.*

Crab.

148419. *Golden Anniversary.*

148420. *Martha-Dolgo.*

148421. *MALUS BACCATA* (L.) Moench.

Siberian crab.

148422 to 148426. *MALUS SYLVESTRIS* L.

Apple.

148422. *Erikson.*

148425. *Mortoff.*

148423. *Hicks.*

148426. *Rondo.*

148424. *Mantet.*

148427. CRATAEGUS OXYACANTHA L. Malaceae.

From New Jersey. Cuttings purchased from Wm. Flemer's Sons, Inc., Princeton Nurseries, Princeton. Received April 14, 1944.

Paul's Double Scarlet Hawthorn.

148428 and 148429. ZEA MAYS L. Poaceae.

Corn.

From Hawaii. Seeds presented by A. J. Mangelsdorf, Hawaiian Sugar Planters' Association, Honolulu. Received April 14, 1944.

148428. *Hawaiian Sugar* × *Golden Cross Bantam.*

148429. *Hawaiian Yellow.*

148430 to 148444. GLYCINE MAX (L.) Merrill. Fabaceae.

Soybean.

From Maryland. Seeds obtained from the Division of Forage Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received April 15, 1944.

148430. *Biloxi*. From Monetta, S. C.
 148431. *Charlee*. From Mississippi.
 148432. *Georgia*. From Monetta, S. C.
 148433. *Harbinsoy*. From New Jersey.
 148434. *Illini*. From Illinois.
 148435. *Laredo*. From Mississippi.
 148436. *Mammoth Yellow*. From Mississippi.
 148437. *Manchu*. From Illinois.
 148438. *Minsoy*. From Illinois.
 148439. *Sac*. From Beltsville, Md.
 148440. *Tenn. Non Pop*. From Mississippi.
 148441. *Tokyo*. From Mississippi.
 148442. *Virginia*. From Beltsville, Md.
 148443. *White Biloxi*. From Mississippi.
 148444. *Creole*. From Monetta, S. C.

148445 to 148452.

From Colombia and Costa Rica. Seeds presented by José Ignacio Hernandez, through B. Y. Morrison, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received April 1, 1944.

Unless otherwise mentioned, seeds were collected in Colombia.

148445. HYPARRHENIA RUFA (Nees) Stapf. Poaceae. Grass.
Yaragua Buntero.
148446. PUERARIA PHASEOLOIDES (Roxb.) Benth. Fabaceae.
Java Kudzu.
148447. SORGHUM VULGARE var. SUDANENSE (Piper) Hitchc. Poaceae. Sudan grass.
- 148448 and 148449. TEPHROSIA TOXICARIA (Sw.) Pers. Fabaceae.
 148448. No. 76. From Micuro.
 148449. No. 77. From the Llanos.
148450. UROCHLOA PULLULANS Stapf. Poaceae. Gunya grass.
148451. VIGNA VEXILLATA (L.) Rich. Fabaceae.
 From Costa Rica.
148452. ZEA MAYS L. Poaceae. Corn.
148453. CROTALARIA sp. Fabaceae.
 From California. Seeds collected by Wilmer Hudnut, United States Army, c/o Postmaster, San Francisco, Calif. Received April 3, 1944.
 Probably from the southern Pacific area.
- 148454 and 148455. LINUM USITATISSIMUM L. Linaceae. Flax.
 From Maryland. Seeds obtained from the Division of Cotton and Other Fiber Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received April 17, 1944.
148454. *Jlord*. Grown in Oregon.
 148455. *Saginaw*. Grown in Oregon.

148456. NICOTIANA RUSTICA L. Solanaceae. Aztec tobacco.

From Maryland. Seeds obtained from the Division of Tobacco Investigations, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received April 17, 1944.

Grown at Upper Marlboro, Md.

148457 to 148459. MALUS. Malaceae. Apple.

From Canada. Scions purchased from the Honeywood Nursery, Parkside, Saskatchewan. Received April 17, 1944.

148457. *Calros Crab*.

148458. *Red Siberian Crab*.

148459. *Rosthern No. 17*.

148460 and 148461. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Maryland. Seeds obtained from the Division of Fruit and Vegetable Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received April 19, 1944.

Grown in Virginia.

148460. *Improved Spanish 2-B*.

148461. *Spanish 18-38*.

148462 to 148474. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From Maryland. Seeds obtained from the Division of Cereal Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received April 19, 1944.

148462. *Baart*. From Pullman, Wash.

148463. *Ceres*. From Fargo, N. Dak.

148464. *Comanche*. From Hays, Kans.

148465. *Denton*. From Denton, Tex.

148466. *Federation*. From Pullman, Wash.

148467. *Fulcaster*. From Denton, Tex.

148468. *Fultz*. From Arlington Farms, Va.

148469. *Kanred*. From Hays, Kans.

148470. *Kubanka*. From Fargo, N. Dak.

148471. *Mediterranean*. From Denton, Tex.

148472. *Mindum*. From Fargo, N. Dak.

148473. *Pentad*. From Fargo, N. Dak.

148474. *Tenmarq*. From Hays, Kans.

148475 to 148503.

From Canada. Scions presented by the Central Experimental Farm, Ottawa. Received April 19, 1944.

148475 to 148478. × *MALUS ADSTRINGENS* Zabel. Malaceae.

148475. *Alberta. Malus baccata* × *Haas*.

148476. *Carleton. Malus baccata* × *Wealthy*.

148477. *Elsa. Malus baccata* × *Yellow Transparent*.

148478. *Jewel. Malus baccata* × *Yellow Transparent*.

148475 to 148503—Continued

148479. MALUS sp.
Lyman Prolific crab.
148480. × MALUS ADSTRINGENS Zabel. Apple.
Mecca. Malus baccata × Simbirsk No. 9.
148481. MALUS.
Quaker Beauty crab.
- 148482 to 148485. MALUS.
148482. *Redman. (Malus baccata × Tetofsky) × McIntosh.*
148483. *Rosthern Seedling No. 16.*
148484. *Rosthern Seedling No. 18.*
148485. *Rosthern Seedling No. 22.*
148486. × MALUS ADSTRINGENS Zabel.
Malus baccata × McMahon White.
148487. MALUS.
(Malus baccata × Tetofsky) × McIntosh.
- 148488 and 148489. PRUNUS ARMENIACA L. Amygdalaceae. Apricot.
148488. *C-14.*
148489. *F-27.*
148490. MALUS.
Babine. Malus sylvestris Var. Niedzwetzkyana × baccata.
148491. MALUS.
Dauphin. Seedling of Malus sylvestris Var. Niedzwetzkyana.
148492. MALUS.
Lennoxville crab.
- 148493 and 148494. MALUS.
Seedlings of Malus sylvestris Var. Niedzwetzkyana.
148493. *Makamik.*
148494. *Manito.*
- 148495 and 148496. MALUS.
Malus sylvestris Var. Niedzwetzkyana × baccata.
148495. *Muskoka.*
148496. *Nipissing.*
148497. × MALUS SOULARDII (Bail.) Britton.
Red Tip crab.
148498. MALUS.
Rosseau. Seedling of Malus sylvestris Var. Niedzwetzkyana.
148499. × MALUS ADSTRINGENS Zabel.
Simcoe. Malus baccata × sylvestris Var. Niedzwetzkyana.
148500. MALUS.
Sissipuk. Malus sylvestris Var. Niedzwetzkyana × baccata.
- 148501 to 148503. MALUS.
148501. *Slocan. Seedling of Malus sylvestris Var. Niedzwetzkyana.*
- 148502 and 148503. *Malus sylvestris Var. Niedzwetzkyana × baccata.*
148502. *Timiskaming.*
148503. *Wabiskaw.*

148504 to 148506. ZEA MAYS L. Poaceae. Corn.

From Maryland. Seeds obtained from the Division of Cereal Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received April 20, 1944.

148504. *Creole Yellow Flint*. From Louisiana.

148505. *White Tuxpan*. From Louisiana.

148506. *Yellow Tuxpan*. From Louisiana.

148507 to 148516. GLYCINE MAX (L.) Merrill. Fabaceae. Soybean.

From Maryland. Seeds obtained from the Division of Forage Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received April 20, 1944.

From Monetta, S. C.

148507. *Avoyelles*.

148512. *Cherokee*.

148508. *Barchet*.

148513. *Clemson*.

148509. *Biloxi*.

148514. *Creole*.

148510. *Burnette*.

148515. *Georgian*.

148511. *Charlee*.

148516. *Nanda*.

148517. BOUGAINVILLEA SPECTABILIS Willd. Nyctaginaceae.

From Ecuador. Cuttings collected by Claud L. Horn, Office of Foreign Agricultural Relations, United States Department of Agriculture, Washington, D. C. Received April 25, 1944.

Collected 5 kilometers east of Portoveijo.

A yellow-bracted variety.

148518. MEDICAGO SATIVA L. Poaceae. Alfalfa.

From Peru. Seeds presented by A. Manuel M. Manrique, Casilla. Received April 15, 1944.

148519 to 148562.

From Pennsylvania. Seeds purchased from Henry F. Michell Co., Philadelphia. Received April 27, 1944.

148519. *AGERATUM HOUSTONIANUM* Mill. Asteraceae.

Blue Bell.

148520. *ALTHAEA ROSEA* Cav. Malvaceae.

Carter's Double mixed.

148521. *ALYSSUM MARITIMUM* (L.) Lam. Brassicaceae.

Michell's Bouquet.

148522. *AMARANTHUS TRICOLOR* L. Amaranthaceae.

Molten Fire.

148523. *ARCTOTIS STOECHADIFOLIA* Bergius. Asteraceae.

148524. *BROWALLIA SPECIOSA* Hook. Solanaceae.

Major.

148525. *CALENDULA OFFICINALIS* L. Asteraceae.

Sunbeams.

148526 to 148530. *CALLISTEPHUS CHINENSIS* (L.) Nees. Asteraceae. China-aster.

148526. *Early Royal, Azure Blue*.

148519 to 148562—Continued

148526 to 148530—Continued

148527. *Early Royal, Lavender.*

148528. *Early Royal, Purple.*

148529. *Early Royal, Rose Pink.*

148530. *Early Royal, White.*

148531. CELOSIA ARGENTEA L. Amaranthaceae.

148532. CHRYSANTHEMUM sp.

Single, mixed.

148533. COREOPSIS TINCTORIA Nutt. Asteraceae.

Dwarf.

148534 and 148535. DELPHINIUM sp. Ranunculaceae.

148534. *Blue Butterfly.*

148535. *Giant Imperial.*

148536. DIANTHUS sp. Silenaceae.

148537. ESCHSCHOLTZIA CALIFORNICA Cham. Papaveraceae.

148538. GALLARDIA PULCHELIA Fouger. Asteraceae.

Double annual.

148539 to 148541. LATHYRUS ODORATUS L. Fabaceae.

Sweet pea.

148539. *Spring-flowering, mixed.*

148540. *Michell's Superb Spencer mixture.*

148541. *Michell's Early-Flowering Spencer.*

148542 to 148544. × PETUNIA HYBRIDA Vilm. Solanaceae.

148542. *Flaming Velvet.*

148543. *Igloo.*

148544. *Michell's Dwarf Elk's Pride.*

148545. SCABIOSA sp. Dipsacaceae.

Giant flowering hybrids.

148546 and 148547. TAGETES sp. Asteraceae.

148546. *Dwarf Harmony.*

148547. *Giant Chrysanthemum Flowered.*

148548. VINCA ROSEA L. Apocynaceae.

148549 to 148562. ZINNIA ELEGANS Jacq. Asteraceae.

148549. *Fantasy.*

148550. *Howard's Choice New Giants.*

148551. *California Giant, Cerise Queen.*

148552. *California Giant, Daffodil.*

148553. *California Giant, Enchantress.*

148554. *California Giant, Golden Queen.*

148555. *California Giant, Grenadier.*

148556. *California Giant, Lavender Queen.*

148557. *California Giant, Miss Wilmott.*

148558. *California Giant, Orange Queen.*

148559. *California Giant, Purity.*

148519 to 148562—Continued

148549 to 148562—Continued

148560. *California Giant, Salmon Queen.*148561. *California Giant, Scarlet Queen.*148562. *California Giant, Violet Queen.*

148563. CAJANUS CAJAN (L.) Druce. Fabaceae. Pigeonpea.

From Puerto Rico. Seeds presented by the Federal Experiment Station, Mayagüez. Received April 27, 1944.

Black and white varieties, mixed.

148564. PINUS PALUSTRIS Mill. Pinaceae. Longleaf pine.

From Massachusetts. Seeds purchased from F. W. Schumacher, Jamaica Plain. Received April 28, 1944.

148565 and 148566. VACCINIUM. Vacciniaceae.

From Canada. Cuttings presented by E. A. Eaton, Experiment Station, Kentville, Nova Scotia. Received May 1, 1944.

148565. Kengrape blueberry.

148566. Kenlate blueberry.

148567 to 148607.

From Pennsylvania. Seeds purchased from Henry F. Michell Co., Philadelphia. Received April 27, 1944.

148567. ABELMOSCHUS ESCULENTUS (L.) Moench. Malvaceae. Okra.
*Clemson Spineless.*148568. APIUM GRAVEOLENS L. Apiaceae.
*Giant Prague, Celeriac.*148569 to 148571. BETA VULGARIS L. Chenopodiaceae. Beet.
148569. *Crosby Egyptian Special.*148570. *Detroit Dark Red.*148571. *Early Wonder.*148572. BETA VULGARIS var. CICLA L. Chenopodiaceae. Chard.
Fordhook Giant.

148573 and 148574. BRASSICA OLERACEA var. CAPITATA L. Brassicaceae. Cabbage.

148573. *Jersey Queen.*148574. *Marion Market.*148575. BRASSICA OLERACEA var. CAULORAPA L. Brassicaceae. Kohlrabi.
*Early White Vienna.*148576 and 148577. BRASSICA OLERACEA var. VIRIDIS L. Brassicaceae.
148576. Cabbaging collards.148577. *Dwarf Blue Scotch kale.*148578. BRASSICA PEKINENSIS (Lour.) Rupr. Brassicaceae. Petsai.
*Chihili.*148579. CUCUMIS SATIVUS L. Cucurbitaceae. Cucumber.
Early Market.

148567 to 148607—Continued

- 148580 to 148583. CUCURBITA PEPO L. Cucurbitaceae. Pumpkin.
 148580. *Cocozelle*.
 148581. *Early White Bush*.
 148582. *Golden Table Queen*.
 148583. *Yankee Hybrid*.
- 148584 to 148586. DAUCUS CAROTA L. Apiaceae. Carrot.
 148584. *Chantenay Half Long Special*.
 148585. *Danver's Half Long*.
 148586. *Guerande*.
- 148587 and 148588. LACTUCA SATIVA L. Cichoriaceae. Lettuce.
 148587. *Black-Seeded Simpson*.
 148588. *Early Curled Selesian*.
148589. LACTUCA sp. Cichoriaceae. *Celtuce*.
- 148590 to 148592. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.
 148590. *Break O'Day*.
 148591. *Jubilee*.
 148592. *Rutger's Special*.
- 148593 to 148598. PHASEOLUS VULGARIS L. Fabaceae. Common bean.
 148593. *Early Red Valentine Dwarf Bean*.
 148594. *Keystonian Dwarf Bean*.
 148595. *Medal Refugee Dwarf Bean*.
 148596. *Stringless Green Pod Dwarf Bean*.
 148597. *Kentucky Wonder Pole Bean*.
 148598. *Fordhook Dwarf Lima*.
- 148599 to 148602. PISUM SATIVUM L. Fabaceae. Pea.
 148599. *Champion of England*.
 148600. *Early June*.
 148601. *Gradus*.
 148602. *Thomas Laxton*.
148603. RHEUM RHAPONTICUM L. Polygonaceae. Rhubarb.
Victoria.
148604. GLYCINE MAX (L.) Merrill. Fabaceae. Soybean.
Bansei.
- 148605 to 148607. ZEA MAYS L. Poaceae. Corn.
 148605. *Bantam Evergreen*.
 148606. *Golden Bantam*.
 148607. *Golden Giant*.

148608 and 148609.

From Maryland. Seeds obtained from the Division of Forage Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received May 1, 1944.

148608. CHLORIS GAYANA Kunth. Poaceae. Rhodes grass.
 148609. DESMODIUM TORTUOSUM (Sw.) DC. Fabaceae.

148610. CINCHONA PITAYENSIS Wedd. Rubiaceae.

From Colombia. Seeds presented by Misión de Quina, Bogotá. Received April 27, 1944.

Collected in Departamentos de Cauca and Nariño at altitudes ranging from 8,500 to 9,500 feet, during February and March 1944.

148611 to 148615. GOSSYPIUM. Malvaceae. Cotton.

From Maryland. Seeds obtained from the Division of Cotton and Other Fiber Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received May 1, 1944.

148611. *Coker 100.*

148612. *Delfos 9252.*

148613. *Deltapine 14.*

148614. *Stoneville 2-B.*

148615. *Stoneville 7303.*

148616 to 148683.

From Iran. Seeds collected by Dr. Walter Koelz, Tehran. Received April 22, 1944.

148616. *ABELMOSCHUS ESCULENTUS (L.) Moench. Malvaceae. Okra.*

148617 to 148621. *AMYGDALUS PERSICA L. Amygdalaceae. Peach.*

Notes on fruits from which seeds were taken.

148617. No. 8285. From Karaj, August 23, 1943. Fruit subglobose, 4 inches in diameter, pale yellow, checkered with crimson, freestone; flesh white, heavily stained at the pit, very juicy, and of excellent flavor.

148618. No. 8288. From Karaj, August 29, 1943. Fruit pale yellow, checkered with red, 2¼ inches in diameter, freestone; flesh white, and of excellent flavor.

148619. No. 8324. From Karaj, August 25, 1943. Fruit globose, 3¼ inches in diameter, pale yellow, checkered with crimson, freestone; flesh white, juicy, and of fine flavor.

148620. No. 8326. From Rezaieh, Azerbaijan, November 16, 1943.

148621. No. 8327. From Marahgeh, Azerbaijan, November 20, 1943.

148622 to 148624. *AMYGDALUS PERSICA var. NECTARINA Ait. Amygdalaceae. Nectarine.*

148622. No. 8276. From Karaj, August 6, 1943. Fruit subglobose, 1¾ inches in diameter, freestone; flesh white and of good flavor.

148623. No. 8290. From Karaj, August 31, 1943. Fruit subglobose, 1¾ inches in diameter, crimson washed yellow, rough skin; flesh white, of fine flavor.

148624. No. 8292. From Karaj, August 31, 1943. Fruit subglobose, 2 inches in diameter, crimson clouded yellow; flesh heavily stained with crimson, good flavor.

148625. *BETA VULGARIS L. Chenopodiaceae. Beet.*

No. 8282. *Chaghonda.* From Karaj, August 21, 1943. Root long, red, fiberless, good sugar content.

148626 to 148635. *CAPSICUM FRUTESCENS L. Solanaceae. Redpepper.*

148626. No. 8321. From Karaj, November 7, 1943. Fruits scarlet, 5 inches long by 2¼ inches at base, tapering smoothly to a sharp tip. Flesh sweet; seeds mildly pungent.

148616 to 148683—Continued

148626 to 148635—Continued

148627. No. 8322. From Karaj, November 7, 1943. Fruits scarlet, 6 by 1 $\frac{3}{4}$ inches, irregular surface, tapering and curving to the blunt tip; flesh and seed sweet.
148628. No. 8323. From Karaj, November 7, 1943. Fruit 3 $\frac{1}{2}$ by 1 $\frac{1}{4}$ inches, scarlet, tapering smoothly to a point; sweet.
148629. No. 8330. From Karaj, November 30, 1943. Fruit scarlet, 3 inches by 1 inch; flesh and seeds sweet.
148630. No. 8331. From Karaj, November 30, 1943. Fruit 3 inches by 1 inch, scarlet, hot.
148631. No. 8332. From Karaj, November 30, 1943. Fruit button-shaped, 1 inch in diameter, scarlet, hot.
148632. No. 8333. From Karaj, November 30, 1943. Fruit blunt, 1 by $\frac{3}{4}$ inch, scarlet, hot.
148633. No. 8334. From Karaj, November 30, 1943. Fruit elongate triangular, 2 $\frac{1}{4}$ inches by 1 inch, scarlet, sweet.
148634. No. 8335. From Karaj, November 30, 1943. Fruit blunt, 1 $\frac{1}{2}$ inches by 1 inch, scarlet; mildly hot.
148635. No. 8336. From Karaj, November 30, 1943. Fruit 2 $\frac{1}{4}$ inches by $\frac{3}{4}$ inch, scarlet; mildly hot.

148636 to 148645. CITRULLUS VULGARIS Schrad. Cucurbitaceae.

Watermelon.

148636. No. 8280. From Karaj, August 20, 1943. Fruit elongate, 9 by 6 inches, pale green, lightly reticulate; flesh pink, good flavor; rind $\frac{1}{2}$ inch thick.
148637. No. 8284. From Karaj, August 23, 1943. Fruit globose, 7 inches in diameter, pea green, with broken darker reticulations; rind $\frac{1}{2}$ inch thick; flesh pink, good flavor.
148638. No. 8296. From Karaj, September 8, 1943. Fruit globose, 8 inches in diameter, grass green, mottled darker; rind 1 $\frac{1}{2}$ inches thick; flesh pink, good flavor.
148639. No. 8299. From Karaj, September 17, 1943. Fruit subglobose, 7 inches in diameter, pale green, striped darker; rind $\frac{1}{2}$ inch thick; flesh pink, good flavor.
148640. No. 8300. From Karaj, September 17, 1943. Fruit globose, 8 inches in diameter, pale green, striped darker; rind $\frac{1}{2}$ inch thick; flesh pink, good flavor.
148641. No. 8301. From Karaj, September 24, 1943. Fruit globose, 9 inches in diameter, grass green, mottled darker; rind $\frac{3}{4}$ inch thick; flesh pink, good flavor.
148642. No. 8304. From Sharifabad, near Gazvin, October 15, 1943. Fruit globose, 9 inches long, pea green, reticulated darker; rind $\frac{1}{2}$ inch thick; flesh rose, good flavor. Said to be grown without irrigation.
148643. No. 8305. From Sharifabad, near Gazvin, October 25, 1943. Fruit, globose, 9 inches long, green with irregular broken stripes; flesh red; unirrigated.
148644. No. 8306. From Sharifabad, near Gazvin, October 25, 1943. Fruit globose, 9 inches in diameter, like No. 8305 (P. I. 148643) on the surface.
148645. No. 8329. From Sharifabad, November 25, 1943.

148616 to 148683—Continued

- 148646 to 148650. CUCUMIS MELO L. Cucurbitaceae. Muskmelon.**
148646. No. 8275. From Tehran, August 1, 1943. Fruit globose, 7 inches in diameter, heavily netted with narrow green rib-stripes; flesh 1½ inches thick, green, good flavor.
148647. No. 8278. From Karaj, August 8, 1943. Fruit globose, 5 inches in diameter, heavily ribbed, nearly smooth, greenish; flesh white, sourish. Said to be from India.
148648. No. 8297. From Karaj, September 8, 1943. Fruit globose, 5 inches in diameter, golden brown with ribs of yellow, nearly smooth; flesh 1 inch thick, white, good flavor.
148649. No. 8302. From Karaj, September 24, 1943. Fruit football-shaped, 11 inches in diameter, green and yellow, coarsely netted; flesh 2¼ inches thick, green, good flavor.
148650. No. 8303. From Karaj, October 10, 1943. Fruit elongate 14 inches by 8 inches, gold, heavily netted; flesh 2¼ inches thick, white, sweet, perfumed.
- 148651 to 148653. FICUS CARICA L. Moraceae. Common fig.**
- Notes on fruits from which seeds were taken.
148651. No. 8289. From Karaj, August 31, 1943. Fruit flat, 1¾ inches in diameter, yellow; sweet flavor; seed inconspicuous.
148652. No. 8291. From Karaj, August 21, 1943. Fruit flattened, 1¾ inches in diameter, purple.
148653. No. 8325. From Karaj, November 10, 1943. Fruit yellow, 1½ inches in diameter; sweet flavor.
- 148654 to 148656. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.**
148654. No. 8279. From Karaj, August 20, 1943. Fruit irregular, 4¾ inches in diameter, round, 2½ inches high, red, few-seeded.
148655. No. 8281. From Karaj, August 20, 1943. Fruit irregular, 4¾ inches in diameter, round, 2½ inches high, red, few-seeded.
148656. No. 8295. From Karaj, September 8, 1943. Fruit flattened, 3 by 2½ inches, red. Leaves less dissected than the common sorts.
- 148657 to 148664. PRUNUS ARMENIACA L. Amygdalaceae. Apricot.**
- Notes on fruits from which seeds were taken.
148657. No. 8270. From Karaj, August 10, 1943. Fruits amygdaloid, pale yellow, checkered with red, 1¾ inches in diameter; flesh pale yellow, sweet but of no distinctive flavor.
148658. No. 8271. From Karaj, August 10, 1943. Fruit subglobose, golden, with red cheek, 1¾ inches in diameter; flesh gold. A good sort, said to be a seedling.
148659. No. 8272. From Karaj, August 25, 1943. Fruits subglobose, 2¼ inches in diameter, pale yellow; flesh white, sweet, and of good flavor. An exceptional sort.
148660. No. 8273. From Karaj, August 28, 1943. Fruit amygdaloid, 2 inches in diameter, yellow, checkered with red; flesh yellow, of good flavor.
148661. No. 8274. From Karaj, August 28, 1943. A mixture of medium-sized subglobose fruits, 1½ by 1¾ inches, pale yellow; flesh white, sweet; may be stewed without sugar.
148662. No. 8286. From Karaj, August 24, 1943. Fruits ovoid, 1½ inches in diameter, pale yellow; flesh pale yellow. A very late variety.
148663. No. 8294. From Tehran, September 5, 1943. Fruits 1 by 1¾ inches, white to pale yellow flesh, good quality. A mixture of very late varieties.
148664. No. 8328. From Marahgeh, Azerbaijan, November 20, 1943. A mixture of several varieties.

148616 to 148683—Continued

148665 to 148667. PRUNUS CERASIFERA Ehrh. Myrobalan plum.

148665. No. 8268. From Karaj, June 10, 1943. Fruits subglobose, 1½ inches in diameter, downy, pale yellow, heavily cheeked with red; plumlike flesh. A rare variety.

148666. No. 8293. Karaj, August 31, 1943. Fruits said to be plumlike but dwarfish.

148667. No. 8298. From Karaj, September 16, 1943. Fruit globose, 1½ inches in diameter, yellow, good. Very late maturing. Seedlings probably useful as rootstocks.

148668 and 148669. PRUNUS DOMESTICA L. Common plum.

Notes on fruits from which seeds were taken.

148668. No. 8269. From Karaj, August 10, 1943. Fruits freestone, elongate, compressed, apricotlike, but completely crimson; flesh colorless, of distinctive flavor; most seeds sterile.

148669. No. 8287. From Tehran, August 29, 1943. Fruit ovoid, reddish purple, 2 inches in diameter, of excellent flavor.

148670. PRUNUS sp.

No. 8283. From Karaj, August 21, 1943. A wild tree up to 8 feet high, bushy, drought-tolerant, heavy-bearing; fruit 1 inch in diameter, reddish; ornamental and for possible use as stock.

148671 to 148683. VIGNA SINENSIS (Torner) Hassk. Fabaceae. Cowpea.

From Karaj, October 25, 1943.

Samples from various parts of Iran.

148671. No. 8307. 148678. No. 8314.

148672. No. 8308. 148679. No. 8315.

148673. No. 8309. 148680. No. 8316.

148674. No. 8310. 148681. No. 8317.

148675. No. 8311. 148682. No. 8318.

148676. No. 8312. 148683. No. 8319.

148677. No. 8313.

148684. VITIS. Vitaceae. Grape.

From Brazil. Plants presented by Guy L. Bush, Agricultural Attaché, American Embassy, Rio de Janeiro. Received June 20, 1944.

Niagara Rose.

148685 to 148700.

From Pennsylvania. Seeds purchased from Henry F. Michell Co., Philadelphia. Received May 5, 1944.

148685. AGERATUM HOUSTONIANUM Mill. Asteraceae.

Dwarf Blue Ball.

148686 to 148688. ANTIRRHINUM MAJUS L. Scrophulariaceae. Snapdragon.

148686. *Campfire.*

148687. *Swingtime.*

148688. *New Super-Majestic.*

148689. CALLISTEPHUS CHINENSIS (L.) Ness. Asteraceae. China-aster.

Victory, Giants, mixed.

148690. CELOSIA CRISTATA L. Amaranthaceae. Common cockscomb.

Royal Velvet.

148685 to 148700—Continued

148691 and 148692. *DIANTHUS CHINENSIS* L. Silenaceae. Chinese pink.
Double, mixed.

148693. *ESCHSCHOLTZIA CALIFORNICA* Cham. Papaveraceae.
Mandarin.

148694. *MATTHIOLA INCANA* R. Br. Brassicaceae. Stock.

148695 to 148697. *PETUNIA* sp. Solanaceae.

148695. *Admiral.*

148696. *New Dazzler.*

148697. *New Victory.*

148698. *PHLOX DRUMMONDII* Hook. Polemoniaceae.
Gigantea.

148699. *SALPIGLOSSIS SINUATA* Ruiz & Pav. Solanaceae.
Emperor.

148700. *VIOLA CORNUTA* L. Violaceae.
Mixed.

148701 and 148702. *ZEA MAYS* L. Poaceae. Corn.

From Maryland. Seeds obtained from the Division of Cereal Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received May 5, 1944.

148701. *Mexican June.*

148702. *Turpan.*

148703 to 148712.

From Canada. Trees purchased from the McConnell Nursery Co., Port Burwell, Ontario. Received May 6, 1944.

148703. *MALUS*. Malaceae. Apple.
Arrow. Seedling of *Malus sylvestris* Var. *Niedzwetzkyana*.

148704. \times *MALUS ADSTRINGENS* Zabel.
Athabasca. *Malus baccata* \times *M. sylvestris* Var. *Niedzwetzkyana*.

148705. *MALUS*.
Erie. Seedling of *Malus sylvestris* Var. *Niedzwetzkyana*.

148706. *MALUS* sp.
Martha crab.

148707. *MALUS*.
Nomeu. *Malus sylvestris* Var. *Niedzwetzkyana* \times *M. baccata*.

148708. *MALUS*.
Okanagan. Seedling of *Malus sylvestris* Var. *Niedzwetzkyana*.

148709. \times *MALUS ADSTRINGENS* Zabel.
Simcoe.
See P. I. 148499 for previous introduction.

148710. *MALUS*.
Slocan.
See P. I. 148501 for previous introduction.

148711. *MALUS* sp.
Transcendent crab.

148703 to 148712—Continued148712. *MALUS* sp.*Whitney crab.***148713. PLAZIA ARGENTEA (Don) Kuntze. Asteraceae.**

From Argentina. Seeds obtained through Prof. H. H. Bartlett, University of Michigan. Received April 28, 1944.

Olivillo.

Collected in the Territory of La Pampa, Argentina. A shrub reported to thrive on the alkaline plains of northern Argentina.

148714 and 148715. NICOTIANA RUSTICA L. Solanaceae.**Aztec tobacco.**

From Maryland. Seeds obtained from the Division of Tobacco Investigations, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received May 8, 1944.

148714. *34753 (A).*148715. *68 (A).***148716 and 148717. ZEA MAYS L. Poaceae.****Corn.**

From Maryland. Seeds obtained from the Division of Cereal Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received May 8, 1944.

148716. *Mexican June.*148717. *Tuxpan.***148718. ARCTIUM LAPPA L. Asteraceae.**

From Connecticut. Seeds presented by Mrs. Andrew L. Winton, Winton Laboratories, Wilton. Received May 9, 1944.

Gobo. A variety with greatly thickened roots, grown as a vegetable in Japan.**148719. CUPRESSUS TORULOSA Don. Pinaceae. Bhutan cypress.**

From India. Seeds presented by Government Gardens, Chaubattia, United Provinces, India, through W. R. Coe, Chrysler Building, New York, N. Y. Received May 9, 1944.

A pyramidal tree up to 150 feet high with short horizontal branches, slender drooping branchlets and bright or bluish-green leaves. Native to the Himalayas at 5,000 to 9,000 feet altitude.

148720. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.

From Brazil. Seeds collected by J. T. Baldwin, Jr., Blandy Experimental Farm, University of Virginia, Boyce, Va. Received April 22, 1944.

Cultivated at the mouth of the Rio Uaupes, Amazonas. Collected March 20, 1944.

148721. MALVA VERTICILLATA L. Malvaceae.

From China. Seeds presented by the Ministry of Foreign Affairs, through the American Embassy, Chungking. Received April 27, 1944.

148722 to 148726. AVENA SATIVA L. Poaceae.**Oats.**

From Scotland. Seeds presented by William Robb, Director of Research, Scottish Plant Breeding Station, Craigs House, Corstorphine, Edinburgh. Received April 27, 1944.

148722. *Castleton.* From Castleton.148723. *Gordon.* Station No. 379.

148722 to 148726—Continued

148724. *Potato*. Pure line, from Ayr.

148725. *Quality*. From Castleton.

148726. *Str. R. 30*. From Ayr.

148727. CEIBA sp. Bombacaceae.

From Colombia. Seeds presented by Richard E. Schultes, Division of Sugar Plant Investigations, Bureau of Plant Industry, Soils, and Agricultural Engineering. Received April 28, 1944.

No. 5717. July 1943. From the confluence of the Rios Macaya and Ajaju.

148728. PANICUM OBTUSUM H.B.K. Poaceae. Grass.

From Arizona. Seeds obtained from the Soil Conservation Service, Douglas. Received May 11, 1944.

148729 to 148736.

From California. Seeds presented by the Citrus Experiment Station, Riverside. Received May 12, 1944.

148729. CITRUS. Rutaceae.

Lemelo-CPB 1145-V-cutt.

148730. CITRUS CELEBICA var. SOUTHWICKII (Wester) Swingle.

CPB 10128 cutt.

148731. CITRUS GRANDIS (L.) Osbeck.

Pummelo.

Cuban Shaddock.

148732. CITRUS.

Shaugguan. (Citrus ichangensis × C. grandis (?)).

148733. CITRUS LIMON (L.) Burm. f. Rutaceae.

Lemon.

Philippine hybrid. CPB 7831.

148734. CITRUS TAIWANICA Tan. Rutaceae.

For previous introduction see 71238.

148735. CITRUS × PONCIRUS TRIFOLIATA. Rutaceae.

Troyer Citrange. C. E. S. 1459.

148736. PONCIRUS TRIFOLIATA × CITRUS LIMON. Rutaceae.

Citremon. CPB 1448.

148737. BOUTELOUA ERIPODA Torr. Poaceae. Grass.

From Arizona. Seeds presented by the Soil Conservation Service, Flagstaff. Received May 13, 1944.

Black Grama.

148738. PASPALUM NOTATUM Fluegge. Poaceae. Bahia grass.

From Georgia. Seeds presented by G. W. Burton, Experiment Station, through the Division of Forage Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received May 16, 1944.

Pensacola strain.

148739. MELINIS MINUTIFLORA Beauv. Poaceae. Molasses grass.

From Venezuela. Seeds presented by the Comision Venezuelan Interamericana, Caracas, through the Inter-American Development Commission. Received May 1, 1944.

Pasto Yaragua.

148740. *LATANIA COMMERSIONII* Gmel. *Phoenicaceae*. **Palm.**

From Florida. Plants growing at the United States Plant Introduction Garden, Coconut Grove. Numbered May 17, 1944.

Obtained originally January 8, 1929, from the Botanic Garden, Buitenzorg, Java.

A tall spineless palm, native to Mauritius Island, 30 to 49 feet high, with palmate leaves 5 to 6 feet long, having a red petiole and with the veins and margins tinged with red.

For previous introduction see 80185.

148741 to 148747. *IPOMOEA BATATAS* (L.) Lam. *Convolvulaceae*. **Sweetpotato.**

From Africa. Tubers presented by the East African Research Station, Amani, Tanganyika. Received May 19, 1941.

148741. *Calabash leaf* No. 223.

148742. *Kandolo* No. 1515.

148743. *Kasunga* No. 1516.

148744. *Russian Leaf* No. 760.

148745. No. 76-A (No. 88).

148746. No. 76-B (No. 91).

148747. No. 76-C (No. 83).

148748. *LYCOPERSICON ESCULENTUM* Mill. *Solanaceae*. **Tomato.**

From Maryland. Seeds obtained from the Division of Plant Exploration and Introduction, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received May 19, 1944.

Pan America.

148749 to 148763.

From Washington, D. C. Seeds purchased from the F. W. Bolgiano Seed Co. Received May 19, 1944.

148749. *ALYSSUM MARITIMUM* (L.) Lam. *Brassicaceae*.

148750. *AMARANTHUS* sp. *Amaranthaceae*.

Molten Fire.

148751. *CALENDULA* sp. *Asteraceae*.

Mixed.

148752. *CELOSIA ARGENTEA* L. *Amaranthaceae*. **Feather cockscomb.**

Childsii.

148753. *CHRYSANTHEMUM CARINATUM* Schousb. *Asteraceae*.

Annual mixed.

148754. *CYNOGLOSSUM* sp. *Boraginaceae*.

Firmament.

148755. *DELPHINIUM* sp. *Ranunculaceae*.

Azure Blue.

148756. *DIMORPHOTHECA AURANTIACA* DC. *Asteraceae*.

African Daisy.

148757. *GILIA CAPITATA* Sims. *Polemoniaceae*.

148758 and 148759. *NICOTIANA* sp. *Solanaceae*.

148758. *Tuberose-flowered*, mixed.

148759. *Tuberose-flowered*, white.

148749 to 148763—Continued

148760. *PETUNIA* sp. Solanaceae.

Rosy Morn.

148761. *PHLOX DRUMMONDII* Hook. Polemoniaceae.

Pink.

148762. *TAGETES* sp. Asteraceae.

African marigold, mixed.

148763. *TAGETES* sp.

Dwarf French marigold, mixed.

148764 and 148765. CHRYSANTHEMUM sp. Asteraceae.

From Pennsylvania. Seeds purchased from Henry F. Michell Co., Philadelphia. Received May 19, 1944.

148764. Double mixed.

148765. Bright Rose.

148766 to 148774. AVENA SATIVA L. Poaceae.**Oats.**

From Maryland. Seeds obtained from the Division of Cereal Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received May 19, 1944.

148766. *Camellia*. C. I. No. 4079.

148767. *Latoria*. C. I. No. 3392.

148768. *Quincy 1*. C. I. No. 4079.

148769. *Ranger*. C. I. No. 3417.

148770. *Sac*. C. I. No. 3907.

148771. *Ventura*. C. I. No. 3989.

148772. *Verde*. C. I. No. 4313.

148773. *Victorgrain*. (Str. 4.) C. I. No. 2438.

148774. *Westdale*. C. I. No. 3101.

148775. SORGHUM VULGARE Pers. Poaceae.

From Texas. Seeds presented by the Texas Agricultural Experiment Station, Substation No. 12, Chillicothe. Received May 19, 1944.

Milo Maiz.

148776 to 148784. LYCOPERSICON ESCULENTUM Mill. Solanaceae.
Tomato.

From North Dakota. Seeds presented by the North Dakota Agricultural Experiment Station, Fargo. Received May 22, 1944.

148776. *Allred*.

148777. *Bison*.

148778. *Bounty*.

148779. *Fargo Yellow Pear*.

148780. *Firesteel*.

148781. *Golden Bison*.

148782. *Red River*.

148783. F₂ generation of *Bounty* × *Break-O-Day*.

148784. F₂ generation of *Bounty* × *Firesteel*.

148785. CHRYSANTHEMUM CINERARIAEFOLIUM (Trevir.) Vis.
Asteraceae.

From England. Seeds presented by C. T. Gimingham, Plant Pathology Laboratory, Ministry of Agriculture and Fisheries, Milton Road, Harpenden, Herts. Received May 12, 1944.

148786 to 148849.

From Maryland. Seeds obtained from the Division of Cereal Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received May 23, 1944.

148786 to 148797. AVENA SATIVA L. Poaceae. Oats.

148786. <i>Black Mesdag.</i>	148792. <i>Red Rustproof.</i>
148787. <i>Bond.</i>	148793. <i>Richland.</i>
148788. <i>Fulghum.</i>	148794. <i>Silvermine.</i>
148789. <i>Green Russian.</i>	148795. <i>Swedish select.</i>
148790. <i>Kherson.</i>	148796. <i>Victoria.</i>
148791. <i>Markton.</i>	148797. <i>White Tartar.</i>

148798 to 148812. HORDEUM VULGARE L. Poaceae. Barley.

148798. <i>Algerian.</i>	148806. <i>Minia.</i>
148799. <i>Atlas.</i>	148807. <i>Nigrate.</i>
148800. <i>Barbless.</i>	148808. <i>Peatland.</i>
148801. <i>Chevron.</i>	148809. <i>Sandrel.</i>
148802. <i>Club Mariout.</i>	148810. <i>Tennessee Beardless 5.</i>
148803. <i>Glabron.</i>	148811. <i>Trebi.</i>
148804. <i>Kwan.</i>	148812. <i>Velvet.</i>
148805. <i>Manchuria.</i>	

148813 to 148819. LINUM USITATISSIMUM L. Linaceae. Flax.

148813. <i>Bison.</i>	148817. <i>Newland.</i>
148814. <i>Bolley Golden.</i>	148818. <i>Ottawa 770B.</i>
148815. <i>Golden.</i>	148819. <i>Smokey Golden.</i>
148816. <i>Koto.</i>	

148820 to 148826. ORYZA SATIVA L. Poaceae. Rice.

148820. <i>Acadia.</i>	148824. <i>Edith.</i>
148821. <i>Calady.</i>	148825. <i>Nira.</i>
148822. <i>Caloro.</i>	148826. <i>Rexoro.</i>
148823. <i>Colusa.</i>	

148827 to 148830. SECALE CEREALE L. Poaceae. Rye.

148827. <i>Dakold.</i>	148829. <i>Raritan.</i>
148828. <i>Prolific.</i>	148830. <i>Star.</i>

148831 to 148849. TRITICUM AESTIVUM L. Poaceae. Common wheat.

148831. <i>Apex.</i>	148837. <i>Kanred.</i>
148832. <i>Baart.</i>	148838. <i>Kubanka.</i>
148833. <i>Escondido.</i>	148839. <i>Marquis.</i>
148834. <i>Federation.</i>	148840. <i>Mediterranean.</i>
148835. <i>Florence.</i>	148841. <i>Merit.</i>
148836. <i>Hope.</i>	148842. <i>Mida.</i>

148786 to 148849—Continued

148831 to 148849—Continued

- | | |
|---------------------------|---------------------------|
| 148843. <i>Minturki</i> . | 148847. <i>Sonora</i> . |
| 148844. <i>Pilot</i> . | 148848. <i>Thatcher</i> . |
| 148845. <i>Regent</i> . | 148849. <i>Turkey</i> . |
| 148846. <i>Reward</i> . | |

148850 and 148851.

From Colombia. Seeds collected by F. R. Fosberg, Office of Foreign Agricultural Relations, Washington, D. C. Received May 12, 1944.

148850. CINCHONA OFFICINALIS L. Rubiaceae.

From Quebrada Babilonia, above Arboledas, north of Santander, at an altitude of 2,400 meters; April 11, 1944.

148851. REMIJIA PURDIEANA Wedd. Rubiaceae.

From La Gomez, 40 km. east of Puerto Wildres, Santander, at an altitude of 150 meters; April 15, 1944.

148852 to 148854. MALUS spp. Malaceae.

From North Dakota. Trees purchased from the Carl A. Hansen Nursery, Brookings. Received May 25, 1944.

148852. MALUS sp.

Joy. A crabapple.

148853. MALUS sp.

Red Flesh. (*Malus ioensis* × *M. sylvestris* Var. *Niedzwetzkyana*).

148854. MALUS BACCATA (L.) Moench.

Siberian Flowering.

148855 to 148857. IPOMOEA BATATAS (L.) Lam. Convolvulaceae.
Sweetpotato.

From Brazil. Tubers collected by J. T. Baldwin, Jr., Blandy Experimental Farm, University of Virginia, Boyce, Va. Received January 3, 1944. Numbered in May, 1944.

148855. (No special data.)

148856. Tuber cigar-shaped, red-skinned.

148857. Tuber heart-shaped, light-skinned.

148858. DIOSCOREA sp. Dioscoreaceae.

From Brazil. Aerial tubers presented by Dr. Karl D. Butler, Instituto Agronómico do Norte, Belém, Pará. Received May 20, 1942, numbered May 26, 1944.

148859 to 148866.

From Colombia. Seeds presented by Eduardo Hernandez A., Pijao, Departamento de Caldas. Received May 26, 1944.

148859. ANNONA CHERIMOLA Miller. Annonaceae. Cherimoya.

148860. GENIPA AMERICANA L. Rubiaceae.

Jagüe.

For previous introduction see 44183.

148861. GUAZUMA ULMIFOLIA Lam. (*G. tomentosa* H.B.K.). Sterculiaceae.
Guásimo.

For previous introduction see 116782.

148859 to 148866—Continued

148862. *PHYLLANTHUS* sp. Euphorbiaceae.

Chirrinchao. A handsome tree.

148863. (Undetermined.) *Araño*. A shrub with fine-grained wood.

148864 to 148866. *ZEA MAYS* L. Poaceae.

Corn.

From Chile. Seeds presented by the Ministerio de Agricultura, Santiago. Received May 26, 1944.

148864. *Camelia*. Estacion Genética de Los Andes.

148865. *Cuarenton*. Estacion Genética de Ovalle.

148866. *Klein Amarillo*. Estacion Genética de Chillan.

148867 to 148874.

From Guatemala. Tubers presented by Dr. I. E. Melhus, Iowa State College of Agriculture, Ames, Iowa. Received May 29, 1944.

148867 and 148868. *IPOMOEA BATATAS* (L.) Lam. Convolvulaceae.

Sweetpotato.

Collected March 13, 1944.

148869 to 148874. *SOLANUM TUBEROSUM* L. Solanaceae.

Potato.

Collected March 20, 1944.

148869. White-skinned.

148870. Red-skinned. From Mazatenango.

148871. White-skinned. From Mazatenango.

148872. Red-skinned. From Quezaltenango.

148873. White-skinned. From Quezaltenango.

148874. From Quezaltenango.

148875 to 148878. GOSSYPIUM. Malvaceae.

Cotton.

From Mississippi. Seeds presented by the United States Cotton Field Station, Stoneville, through the Division of Cotton and Other Fiber Plants and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received June 3, 1944.

148875. *Coker-Wilds*, Str. 16.

148878. *Express 11384*. (*Delpress 3*.)

148876. *Delfos 9252*.

148877. *Express 6637*.

148879 to 148882. SORGHUM VULGARE Pers. Poaceae.

From Africa. Seeds presented by P. Garnier, Photo-Hall Soudanais, Bamako, French Sudan. Received May 19, 1944.

148879. No. 5. From Nema.

148881. No. 77. From San.

148880. No. 10. From San.

148882. No. 6. From Sikasso.

148883. PUERARIA PHASEOLOIDES (Roxb.) Benth. Fabaceae.

From Belgian Congo. Seeds presented by A. T. Semple, Soil Conservation Service, Washington, D. C. Received May 20, 1944.

From Elisabethville.

148884 to 148887. LINUM USITATISSIMUM L. Linaceae.

Flax.

From Uruguay. Seeds presented by the Instituto Fitotecnico y Semillero Nacional La Estanzuela, Departamento de Colonia. Received May 23, 1944.

148884. 84 I.

148886. No. 204.

148885. No. 117.

148887. Or.

148888. CITRUS SINENSIS (L.) Osbeck. Rutaceae. Orange.

From Florida. Cuttings presented by the Fruit and Vegetable Crops Station, Orlando. Received June 3, 1944.

Jaffa Orange.

148889 to 148909.

From Maryland. Seeds obtained from the Division of Forage Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received June 6, 1944.

148889 to 148897. GLYCINE MAX (L.) Merrill. Fabaceae. Soybean.

Grown at Monetta, S. C.

148889. *Avoyelles.*

148894. *Creole.*

148890. *Barchet.*

148895. *Georgian.*

148891. *Biloxi.*

148896. *Monetta.*

148892. *Charlee.*

148897. *Yelredo.*

148893. *Clemson.*

148898. STIZOLOBIUM DEERINGIANUM Bort. Fabaceae. Deering velvetbean.

Grown at Monetta, S. C.

Early Arlington.

148899. STIZOLOBIUM ATERRIMUM Piper & Tracy.

Tracy Black.

148900 to 148909. VIGNA SINENSIS (Torner) Savi. Fabaceae. Cowpea.

Grown at Beltsville, Md.

148900. *Brabham.*

148905. *New Era.*

148901. *Early Buff.*

148906. *Potomac.*

148902. *Early Red.*

148907. *Taylor.*

148903. *Early Silver.*

148908. *Victor.*

148904. *Groit.*

148909. *Whippoorwill.*

148910. FAGOPYRUM ESCULENTUM Moench. Polygonaceae. Buckwheat.

From Virginia. Seeds presented by T. W. Wood & Sons, Richmond. Received June 6, 1944.

Japanese buckwheat grown in Pennsylvania.

148911 and 148912. NICOTIANA RUSTICA L. Solanaceae.

From Maryland. Seeds obtained from the Division of Tobacco Investigations, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received June 6, 1944.

Grown at Arlington Farms, Va.

148911. *No. 68.*

148912. *No. 34753.*

148913. SACCHARUM. Poaceae. Sugarcane.

From the Canal Zone. Cuttings presented by Julius Matz, Experiment Station, Summit. Received June 9, 1944.

N. C. 17. Imp. 882.

148914 to 148916.

From Maryland. Seeds obtained from the Division of Drug and Related Plants, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received June 12, 1944.

148914. *DIGITALIS PURPUREA* L. Scrophulariaceae. Common foxglove.
For previous introduction see 103481.

148915. *LOBELIA INFLATA* L. Campanulaceae. Indian-tobacco.

148916. *TANACETUM VULGARE* L. Asteraceae.

148917 to 148938. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Florida. Seeds presented by W. A. Carver, Agricultural Experiment Station, University of Florida, Gainesville. Received June 12, 1944.

- | | |
|---------------------|----------------------|
| 148917. 231-51. | 148928. 296-4-4. |
| 148918. 88-4-1. | 148929. 282-1-2. |
| 148919. 284. | 148930. 279-6-1. |
| 148920. 249-18-6-1. | 148931. 294-18. |
| 148921. 280-18-6. | 148932. 287-31-4. |
| 148922. 231-80-4. | 148933. 282-2-2-2. |
| 148923. 288-3. | 148934. 287-11. |
| 148924. 288-1. | 148935. 230-118-2-2. |
| 148925. 249-40-B-3. | 148936. 282-4-3-1. |
| 148926. 281-3-5-1. | 148937. 249-40-1-3. |
| 148927. 245-B-3-2. | 148938. 293-1. |

148939 to 148943.

From Wales. Seeds presented by the Welsh Plant Breeding Station, Pastures and Forage Crops Section, Aberystwyth. Received May 20, 1944.

148939 to 148941. *DACTYLIS GLOMERATA* L. Poaceae. Orchard grass.

148939. *Cocksfoot S-26/D.X.*

148940. *Cocksfoot S-37/D.K.*

148941. *Cocksfoot S-143/BE.*

148942. *FESTUCA ELATIOR* L. Poaceae. Meadow fescue.
S-53/W.

148943. *LOLIUM PERENNE* L. Poaceae. Perennial ryegrass.
S-23/ABD.

148944 to 148946.

From Washington, D. C. Seeds presented by the Soil Conservation Service, United States Department of Agriculture. Received June 13, 1944.

148944. *PENNISSETUM CILIARE* (L.) Link (*P. cenchroides* Rich.). Poaceae.

148945. *SPOROBOLUS INDICUS* (L.) R. Br. Poaceae. Grass.

148946. *STIZOLOBIUM DEERINGIANUM* Bort. Fabaceae. Deering velvetbean.

148947 to 148953.

From Brazil. Plants collected by J. T. Baldwin, Jr., Blandy Experimental Farm, University of Virginia, Boyce, Va. Received June 14, 1944.

148947. *ARISTOLOCHIA* sp. Aristolochiaceae.

From Belem, Pará, June 1944.

148948. *BANISTERIA CAAPI* Griseb. Malpighiaceae.

From the mouth of the Rio Uaupes, Amazonas.

148947 to 148953—Continued

148949. (Undetermined.)

From Cucuhy, Rio Negro. Amazonas.

148950. (Undetermined.)

From Amapa, Territory of Amapa, June 3, 1944.

148951. *MANIHOT* sp. Euphorbiaceae.

From prairie near Amapa, Territory of Amapa, June 3, 1944.

148952. *PHYLLANTHUS* sp. Euphorbiaceae.

From Sao Felipe, Rio Negro, March 1944.

148953. (Undetermined.)

From Sao Felipe, Rio Negro, Amazonas, March 1944.

148954. *ROLLINIA* sp. Annonaceae.

From Colombia. Seeds presented by E. Ruiz Landa, Medellín. Received June 17, 1944.

148955 to 148959.

From Brazil. Plants collected by J. T. Baldwin, Jr., Blandy Experimental Farm, University of Virginia, Boyce, Va. Received June 19, 1944.

148955. *MIMUSOPS* sp. Sapotaceae.

From central Rio Negro, Amazonas, March 1944; seeds grown in Belem, Pará.

Nos. 148956 to 148959 were from Rio Uaupes, Amazonas; seeds grown in Belem, Pará.

148956. *CUNURIA* sp. Euphorbiaceae.*No. 1.*148957. *CUNURIA* sp.*No. 2.*148958. *CUNURIA* sp.*No. 3.*148959. *MICRANDRA* sp. Euphorbiaceae.

148960 to 148969.

From Maryland. Seeds obtained from the Division of Forage Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received June 20, 1944.

Grown in Florida, South Carolina, Oklahoma, and Alabama.

148960. *ALYSICARPUS VAGINALIS* (L.) DC. Fabaceae.

For previous introduction see 101185.

148961. *EREMOCHLOA OPHIUROIDES* (Munro) Hack. Poaceae.

Centipede grass.

148962. *INDIGOFERA HIRSUTA* L. Fabaceae.

Indigo.

148963. *PENNISSETUM CILIARE* (L.) Link. Poaceae.148964. *PHASEOLUS AUREUS* Roxb. Fabaceae.

Mung bean.

148965. *STIZOLOBIUM ATERRIMUM* Piper & Tracy. Fabaceae. Velvetbean.148966. *STIZOLOBIUM DEERINGIANUM* Bort.

Deering velvetbean.

148967. *VIGNA SINENSIS* (Torner) Hassk. Fabaceae.

Cowpea.

148968 and 148969. *GLYCINE MAX* (L.) Merrill. Fabaceae.

Soybean.

148968. *Clemson.*148969. *Creole.*

148970 to 148977.

From Brazil. Seeds collected by J. T. Baldwin, Jr., Blandy Experimental Farm, University of Virginia, Boyce, Va. Received June 22, 1944.

From Amapa, Territory of Amapa.

148970. *BROMELIA* sp. Poaceae.

Leaves up to 10 feet long; grows in damp places.

148971. *CLITORIA* sp. Fabaceae.

148972. *CROTALARIA PILOSA* Mill. Fabaceae.

148973. *AESCHYNOMENE PANICULATA* Willd. Fabaceae.

A woody perennial several feet high, with pinnate leaves composed of small linear leaflets and flowers in axillary panicles. Native to Bahia, Brazil.

148974. *DESMONCUS* sp. Phoenicaceae.

Palm.

A climbing palm.

148975. *DOLICHOS* sp. Fabaceae.

148976. *HIBISCUS* sp. Malvaceae.

148977. *MANIHOT* sp. Euphorbiaceae.

From The Savannah, Amapa.

148978 to 148982. AVENA SATIVA L. Poaceae.

Oats.

From Colombia. Seeds presented by Grevasio Obregon, Estación Agrícola Experimental "La Picota," Bogotá. Received June 12, 1944.

148978. *Blanca Alemana.*

148981. *Negra del Pais.*

148979. *Honester Imperial Blanca.*

148982. *The Felder.*

148980. *La Industria.*

148983 and 148984.

Papaya.

From Mexico. Seeds collected by Raymond W. Schulz; Cuernavaca, Morelos. Received June 12, 1944.

148983. *CARICA PAPAYA* L. Papayaceae.

Selected quality.

148984. *PITHECOCTENIUM ECHINATUM* (Jacq.) K. Schum. Bignoniaceae.

A large climbing shrub with opposite, usually bifoliolate leaves, and white bell-shaped flowers, yellowing with age, about 2 inches long, in terminal racemes or panicles. A decoction of the flowers is said to have been used by the Aztecs as a remedy for fevers.

148985. PASPALUM NOTATUM Fluegge. Poaceae. Bahia grass.

From Uruguay. Seeds presented by Bernardo Rosengurtt, Monzon-Heber, Estación Juan Jackson. Received June 13, 1944.

No. 587. Wild seed.

148986 to 148992.

From Brazil. Seeds collected by J. T. Baldwin, Jr., Blandy Experimental Farm, University of Virginia, Boyce, Va. Received June 12, 1944.

148986. *CARAPA* sp. Meliaceae.

From Bragança, Pará, May 1944.

148987. *COUMA* sp. Apocynaceae.

From Cucuhy, Rio Negro, Amazonas, March 1, 1944.

148988. *DIPTERYX ODORATA* (Aubl.) Willd. Fabaceae.

Tonka-bean.

From Belem, Pará, May 1944.

148986 to 148992—Continued

148989. *HIBISCUS* sp. Malvaceae.

From Rio Negro, Amazonas, February 12, 1944.

148990. *NICOTIANA TABACUM* L. Solanaceae.

Tobacco.

From Bragança, Pará, May 1944.

148991. *STIZOLOBIUM* sp. Fabaceae.

From Manaus, Amazonas, April 1, 1944.

148992. (Undetermined.)

An undetermined palm.

148993. *PUERARIA PHASEOLOIDES* (Roxb.) Benth. Fabaceae.

From Liberia. Seeds presented by the Firestone Plantations Co., Monrovia.
Received June 5, 1944.

148994 and 148995.

From Brazil. Tubers collected by J. T. Baldwin, Jr., Blandy Experimental Farm, University of Virginia, Boyce, Va. Received June 12, 1944.

From Bragança, Pará May 1, 1944.

148994. *DIOSCOREA* sp. Dioscoreaceae.

Yam.

Cará.

148995. *DIOSCOREA* sp.

Cará.

148996. *PASPALUM NOTATUM* Fluegge. Poaceae. **Bahia grass.**

From Argentina. Seeds presented by Dr. Lorenzo R. Parodi, Buenos Aires.
Received June 12, 1944.

148997. *PACHYRHIZUS EROSUS* (L.) Urban (*Cacara erosa* (L.) Kuntze). Fabaceae. **Yam-bean.**

From Mexico. Seeds presented by the American Embassy, Mexico City,
Received June 20, 1944.

Collected in the State of Jalisco, Mexico.

148998 to 149000.

From Argentina. Seeds presented by Carlos L. Thays, Director de Paseos Publicos, Buenos Aires. Received June 21, 1944.

148998. *ARAUCARIA ANGUSTIFOLIA* (Bertol.) Kuntze. Pinaceae.

A tall evergreen tree native to southern Brazil, sometimes 100 feet high, with large and nearly globular cones. The wood is used in construction work, for turning shipmasts, cabinet work, and for matches.

For previous introduction see 119039.

148999. *COMBRETUM FRUTICOSUM* (Loefl.) Stuntz. Combretaceae.

An ornamental climbing shrub with opposite elliptic leaves and spikes of orange and green flowers. It is native to temperate regions from Argentina to Brazil.

For previous introduction see 42326.

149000. *MIMOSA ACULEATICARPA* Ortega. Mimosaceae.

A shrub over 6 feet high, covered all over with the stout spines, forming an impenetrable hedge that thrives on very dry, poor soils. The small flower heads are pink or white. Native to central and southern Mexico.

For previous introduction see 62095.

149001. VITIS. Vitaceae.

Grape.

From Brazil. Cuttings presented by H. P. Olmo, Instituto Agronómico, Campinas, through the American Embassy, São Paulo. Received June 29, 1944.

Niagara Rose.

149002 to 149006.

From New South Wales. Seeds presented by A. Machim Hall, Young. Received June 12, 1944.

149002. ACTINOTUS sp. Apiaceae.

Flannel Flower.

149003. EUCALYPTUS NIPHOPHILA Maiden & Blakely. Myrtaceae.

A small crooked shrub or tree up to 30 feet high, usually with smooth white bark. The mature leaves are lanceolate to lanceolate-falcate, thick, leathery, shining, and 1 to 3 inches long. Native to New South Wales and Victoria, where the temperature drops to several degrees below freezing.

For previous introduction see 134073.

149004. EUCALYPTUS TORQUATA Luehm. Myrtaceae.

A tree with lanceolate, oblique, leathery, dull gray-green leaves 4 inches long, and reddish-orange flowers in umbels of seven on a stalk 1 inch long. Native to western Australia.

149005. MELALEUCA sp. Myrtaceae.

A handsome tree.

149006. (Undetermined.)

Mountain Iris; blue-flowered.

149007. CITRUS. Rutaceae.

From Florida. Seeds collected by W. T. Swingle, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received June 30, 1944.

From the Plant Introduction Garden, Coconut Grove, June 17, 1944. *Shekwasha*. Possibly a hybrid of *Citrus tachibana*. Grows wild in the Ryukyu (Luchu) Archipelago of Japan, and in Formosa.

149008 and 149009.

From Brazil. Seeds obtained from J. T. Baldwin, Jr., Blandy Experimental Farm, University of Virginia, Boyce, Va. Received June 21, 1944.

149008. ARAUCARIA ARAUCANA (Molina) Koch. Pinaceae.

149009. CARYOCAR sp. Caryocaraceae.

Pequia.

Collected by Bruce Lamb at Lago Grande, Pará, May 1944.

149010 to 149012.

From Africa. Seeds presented by E. A. Menninger, Stuart, Fla. Received July 5, 1944.

149010. ALBIZZIA ZYGIA (DC.) Macbride. Mimosaceae.

149011. HOLARRHENA WULFSBERGII Stapf. Apocynaceae.

A tree up to 50 feet high, with shining elliptic-oblong leaves 3 to 5 inches long, and white, fragrant, tubular flowers in dense clusters. Native to western tropical Africa.

149012. NEWBOULDIA LAEVIS Seem. Bignoniaceae.

A slender tree 10 to 40 feet high, with reddish-purple or pink and white foxglovelike flowers about 2 inches long, in an erect racemelike panicle. Native to western tropical Africa.

149013. CUCURBITA PEPO L. Cucurbitaceae. Pumpkin.

From Argentina. Seeds presented by R. and G. Cheminate y Cia., Buenos Aires, through the American Embassy. Received June 27, 1944.

Ornamental gourds.

149014. AVENA SATIVA L. Poaceae. Oats.

From England. Seeds presented by the National Institute of Agricultural Botany, Huntington Road, Cambridge. Received June 27, 1944.

Sandford.

149015 to 149028.

From Africa. Seeds collected by A. T. Semple, Soil Conservation Service, Washington, D. C. Received June 23, 1944.

149015. ACACIA NILOTICA (L.) Willd. Mimosaceae.

From Mozambique.

A large attractive tree, native to tropical Africa, with bipinnate foliage and heads of small white flowers.

For previous introduction see 116635.

149016. ARISTOLOCHIA sp. Aristolochiaceae.

From Tomboco, Angola.

A beautiful flowering vine.

Nos. 149017 to 149019. From Mozambique.

149017. BAUHINIA sp. Caesalpinaceae.**149018. BAUHINIA sp.****149019. BOLUSANTHUS sp. Fabaceae.****149020. CASSIA ABSUS L. Caesalpinaceae.**

From Tibe, Cabinda, Angola. A wild legume.

149021. DACTYLOCTENIUM sp. Poaceae.

Grass.

From north of Ambrisete, northwestern Angola.

149022. DIGITARIA sp. Poaceae.

Grass.

From Tomboco, Angola.

149023. DIGITARIA sp.

From north of Ambrisete, northwestern Angola.

149024. ERAGROSTIS sp. Poaceae.

Grass.

From Tomboco, Angola.

Nos. 149025 to 149027. From Tibe, Capinda, Angola.

149025. ERIOSEMA sp. Fabaceae.

A wild legume.

149026. INDIGOFERA sp. Fabaceae.

A wild legume.

149027. SYNSEPALUM DULCIFICUM (Schum.) Daniell. Sapotaceae.

An ornamental tropical African shrub, about 6 feet high, with dark-red fruits that, when eaten, make sour things taste sweet.

149028. TRICHOLAENA DELICATULA Stapf. & C. E. Hubb. Poaceae.

From north of Ambrisete, northwestern Angola. A perennial grass with slender ascending stems 1 to 2½ feet high, native to western tropical Africa.

149029. BUDDLEIA sp. Loganiaceae.

From Brazil. Cuttings collected by H. P. Olmo, Piraçicaba, São Paulo.
Received July 24, 1944.

A vigorous, extremely drought-resistant bush 10 to 15 feet high, with attractive yellow flowers. Probably originally from Madagascar.

149030 and 149031.

From the Union of South Africa. Seeds presented by the McGregor Museum, Kimberley. Received July 15, 1944.

149030. ERAGROSTIS LEHMANNIANA Nees. Poaceae. **Grass.**
The dominant grass in the Kimberley area.

149031. POGONARTHRIA SQUARROSA (Licht.) Pilger. Poaceae. **Grass.**
Abundant after rains.

149032. LILIUM sp. Liliaceae. Lily.

From China. Seeds presented by Dr. Andrew Tse, c/o Clinique Humanitaire, Tung Tze Kai, Kunming, Yunnan.

Red Tiger Lily.

149033. LYCOPERSICON PERUVIANUM var. DENTATUM Dun. Solanaceae.

From Chile. Seeds presented by Dr. C. Muñoz, Departamento de Genética y Fitotecnia, Ministerio de Agricultura, Santiago. Received July 26, 1944.

Collected at Quebrado de Tilopozo, Antofagasta.

149034 to 149039.

From Brazil. Seeds presented by H. P. Olmo, Instituto Agronómico, Campinas, São Paulo. Received July 24, 1944.

149034. ANNONA CHERIMOLA Mill. Annonaceae. **Cherimoya.**
An excellent variety.

149035. ANNONA SQUAMOSA L.
Fruta de conde.

149036 and 149037. ANNONA CHERIMOLA × SQUAMOSA. **Atemoya.**

149036. Common type.

149037. Small-fruited type.

149038. MAYTENUS AQUIFOLIUM Mart. Celastraceae.

From Pocos de Caldas, Minas Geraes.

An evergreen tree, 20 to 25 feet high, with hollylike foliage and small red fruits. Native to Brazil.

149039. ROLLINIA sp. Annonaceae.

149040. RICINUS COMMUNIS L. Euphorbiaceae. **Castor-bean.**

From Mexico. Seeds collected by F. W. Smith, Guasave, Sinaloa. Received July 26, 1944.

Originally from French Indo-China; seeds unusually large.

149041 to 149043. FRAGARIA. Rosaceae. Strawberry.

From Turkistan. Seeds obtained by Hon. Henry A. Wallace, Vice President of the United States. Received July 26, 1944.

From Alma Ata.

149041. *Saksonka.*

149042. *Lunza.*

149043. *Kokh.*

149044. *GEONOMA* sp. Phoenicaceae. **Palm.**
From Costa Rica. Seeds collected by Lt. Claud Hope, c/o Military Attaché, American Embassy, San José. Received July 26, 1944.
- 149045 and 149046.
From England. Seeds and bulbs presented by Collingwood Ingram, The Grange, Benenden, Kent. Received July 20, 1944.
149045. *GLADIOLUS CONCOLOR* × *HOMOGLOSSUM WATSONIUM*. Iridaceae.
General Smuts. (Bulbs.)
149046. *MAHONIA LOMARIIFOLIA* Takeda. Berberidaceae.
A spiny-leaved shrub 4 to 8 feet high, with 10 to 20 pairs of ovate to lanceolate, leathery leaflets about 1½ inches long, and racemes of small, bright-yellow flowers. Native to the mountains of Yunnan, China, at altitudes of 8,000 to 12,000 feet. (Seeds.)
149047. *CITRUS* sp. Rutaceae.
From California. Cuttings presented by M. B. Rounds, Citrus Experiment Station, Riverside. Received July 19, 1944.
Kusai Lime. (Hawaii C.E.S. No. 452.)
149048. *LAVATERA* sp. Malvaceae.
From Chile. Seeds presented by Miguel Schorver Alonso, Concepcion, through J. L. Colon, Pan American Union. Received July 17, 1944.
Malva gigante; of possible value as a fiber plant.
149049. *CITRUS SINENSIS* (L.) Osbeck. Rutaceae. **Orange.**
From Florida. Cuttings presented by F. E. Gardner, Orlando. Received July 17, 1944.
Summerfield Navel.
- 149050 and 149051.
From China. Seeds presented by R. G. Johnson, Corvallis, Oreg. Received July 5, 1944.
149050. *LILIUM* sp. Liliaceae.
White Tiger Lily.
149051. *TRIGONELLA RECHINGERI* Sirjaev. Fabaceae.
Collected at Pao Mei.
- 149052 and 149053. (Undetermined.)
From Brazil. Seeds collected by J. T. Baldwin, Jr., Blandy Experimental Farm, Boyce, Va. Received July 6, 1944.
149052. From Belém, Pará, June 25, 1944.
149053. From São Felipe, Rio Negro, March, 1944.
149054. *NICOTIANA RUSTICA* L. Solanaceae. **Aztec tobacco.**
From Maryland. Seeds obtained from the Division of Tobacco Investigations, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received July 10, 1944.
Brazilia. Grown at Marlboro, Md.
- 149055 to 149063. *CARTHAMUS TINCTORIUS* L. Asteraceae. **Safflower.**
From Maryland. Seeds obtained from the Division of Drug and Related Plants, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received July 10, 1944.

149055 to 149063—Continued149055. *Ahmedrager No. 1*. Indian origin.149056. *Ahmedrager No. 2*. Indian origin.149057. *Kardai*. Indian origin.149058. *Pusa 2*. Indian origin.149059. *Pusa 7*. Indian origin.149060. *Pusa 25*. Indian origin.149061. *Scholapur*. Indian origin.149062. *Simla*. Indian origin.149063. *Special Russian*. Russian origin.**149064 and 149065. PENNISETUM PURPUREUM Schumach.****Poaceae.****Napier grass.**

From Maryland. Seeds obtained from the Division of Forage Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received July 15, 1944.

149064. From Gainesville, Fla.

149065. Selfed seed of F₁ hybrid between common napier and the short-internode selection 208 (eyespot-resistant). From Tifton, Ga.**149066 to 149096.**

From Pennsylvania. Seeds purchased from the Henry F. Michell Co., Philadelphia. Received July 20, 1944.

149066 to 149070. *ANTIRRHINUM MAJUS* L. Scrophulariaceae. Snapdragon.149071. *CALENDULA OFFICINALIS* L. Asteraceae. Pot marigold.149072 and 149073. *CAMPANULA MEDIUM* L. Campanulaceae.**Canterbury bells.**149074. *CENTAUREA CYANUS* L. Asteraceae.**Cornflower.**149075. *COREOPSIS* sp. Asteraceae.149076. *COREOPSIS LANCEOLATA* L.Var. *Grandiflora*.149077 and 149078. *CYNOGLOSSUM* sp. Boraginaceae.149079 to 149084. *DELPHINIUM* spp. Ranunculaceae.149085 to 149087. *ESCHSCHOLTZIA CALIFORNICA* Cham. Papaveraceae.**California poppy.**149088 and 149089. *GAILLARDIA* spp. Asteraceae.149090. *GILIA CAPITATA* Sims. Polemoniaceae.

For previous introduction see 148757.

149091. *MIRABILIS JALAPA* L. Nyctaginaceae.**Four-o'clock.**149092. *NIGELLA DAMASCENA* L. Ranunculaceae.**Love-in-a-mist.**149093. *PAPAVER* sp. Papaveraceae.**Poppy.**149094. *PHLOX DRUMMONDII* Hook. Polemoniaceae.149095. *SCABIOSA* sp. Dipsacaceae.149096. *XANTHISMA TEXANUM* DC. Asteraceae.**149097 to 149150.**

From China. Seeds presented to Hon. Henry A. Wallace, Vice President of the United States, by the National Agricultural Research Bureau, Szechwan Province. Received July 27, 1944.

149097 to 149150—Continued

- | | | | |
|-------------------|-------------------------------------|----------|---------------|
| 149097 to 149104. | ORYZA SATIVA L. | Poaceae. | Rice. |
| 149097. | <i>N.A.R.B. No. 4.</i> | | |
| 149098. | <i>N.A.R.B. White Rice.</i> | | |
| 149099. | <i>N.A.R.B. Land Rice.</i> | | |
| 149100. | <i>Nan Te Special.</i> | | |
| 149101. | <i>Victory Hsien.</i> | | |
| 149102. | <i>Rusty Late.</i> | | |
| 149103. | <i>Chekiang No. 3.</i> | | |
| 149104. | <i>Chekiang No. 9.</i> | | |
| 149105 to 149112. | TRITICUM AESTIVUM L. | Poaceae. | Common wheat. |
| 149105. | (No label.) | | |
| 149106. | <i>National 28. No. 1.</i> | | |
| 149107. | <i>National 62. No. 2.</i> | | |
| 149108. | <i>National 166. No. 3.</i> | | |
| 149109. | <i>National 483. No. 4.</i> | | |
| 149110. | <i>U. N. 2905. No. 5.</i> | | |
| 149111. | <i>U. N. Kaifeng 124. No. 6.</i> | | |
| 149112. | <i>U. N. Tsing-yang 302. No. 7.</i> | | |
| 149113 to 149150. | ZEA MAYS L. | Poaceae. | Corn. |
| 149113. | Red. | | |
| 149114. | White. | | |
| 149115. | Yellow. | | |
| 149116. | <i>J-6-2, Jonyu Early.</i> | | |
| 149117. | <i>J-8-1, Jonyu Early.</i> | | |
| 149118. | <i>J-22-2, Jonyu Early.</i> | | |
| 149119. | <i>S-4-1, Saihung Early.</i> | | |
| 149120. | <i>Sh-8-1, Saihung Early.</i> | | |
| 149121. | <i>Sh-12-5, Saihung Early.</i> | | |
| 149122. | <i>Sh-16-2, Saihung Early.</i> | | |
| 149123. | <i>A-8-2, Anyo Early.</i> | | |
| 149124. | <i>C-1-8, Chengtu Early.</i> | | |
| 149125. | <i>C-2-2, Chengtu Early.</i> | | |
| 149126. | <i>Chengtu Bloody.</i> | | |
| 149127. | <i>Chengtu Golden Yellow.</i> | | |
| 149128. | <i>Chengtu Yellow Dent.</i> | | |
| 149129. | <i>Chuan-ta Dent.</i> | | |
| 149130. | <i>Chuan-ta Early.</i> | | |
| 149131. | <i>Saihung Waxy.</i> | | |
| 149132. | <i>Santai Yellow.</i> | | |
| 149133. | <i>Shuilin Early.</i> | | |
| 149134. | <i>Szefung Yellow.</i> | | |
| 149135. | <i>Wie-chow Yellow.</i> | | |
| 149136. | <i>Inbred designation Ca-42.</i> | | |

149097 to 149150—Continued**149113 to 149150—Continued**149137. *Na-24.*149138. *P-8.*149139. *Ch-28.*149140. *N-48.*149141. *J3-42.*149142. *D-2.*149143. *Li-23.*149144. *Li-26.*149145. *Li-30.*149146. *L5-144.*149147. *Li-68.*149148. *Hybrid No. 13 (Li-30 × Na-24) (Li-26 × P-8).*149149. *Hybrid No. 18 (D-2 × Je-42) (N-48 × Ch-26).*149150. *Hybrid 74 (Ca-42 × L5-144) (Li-23 × Li-68).***149151 and 149152.**

From California. Seeds collected by Lt. Comdr. S. G. Bedell, Advance Base, Navy 158, c/o F.P.O., San Francisco. Received August 10, 1944.

Collected in the Pacific area.

149151. *ABUTILON* sp. Malvaceae.149152. *SETARIA* sp. Poaceae.

Grass.

A grass 3 feet high, growing in sandy soil in a tropical jungle. The leaves resemble the first leaves of a sprouting palm.

149153 to 149159. GOSSYPIUM. Malvaceae.

Cotton.

From Maryland. Seeds obtained from the Division of Cotton and Other Fiber Crops and Diseases, Beltsville. Received August 11, 1944.

149153. *Acala (Shafter) (P-18-C) 1942.* From California.149154. *Coker 100, Str. 6.* From South Carolina.149155. *Delfos 9252 (1942).* From Mississippi.149156. *Deltapine 14 (1942).* From Mississippi.149157. *Express 11384 (Delpress 3) 1942.* From Mississippi.149158. *Sea Island (12-B-2) (1942).* From Florida.149159. *Wilds, Str. 6.* From South Carolina.**149160 to 149179.**

From Asia. Seeds presented by Hon. Henry A. Wallace, Vice President of the United States. Received July 28, 1944.

149160. *ALLIUM FISTULOSUM* L. Liliaceae.

Welsh onion.

From Lanchow, China.

149161. *CAPSICUM FRUTESCENS* L. Solanaceae.

Redpepper.

Chinese Giant pepper.

From Lanchow, China.

149162 to 149165. *CITRULLUS VULGARIS* Schrad. Cucurbitaceae.

Watermelon.

From the Soviet Union.

149160 to 149179—Continued

- 149166 to 149171. CUCUMIS MELO L. Cucurbitaceae. **Muskmelon.**
 149166. From Lanchow, China.
 149167. From the Soviet Union.
 149168. *N 1442*, from the Soviet Union.
 149169. *D 785*, from the Soviet Union.
 149170. From Lanchow, China.
 149171. *No. (179) D 3876*, from the Soviet Union.
149172. LACTUCA SATIVA L. Cichoriaceae. **Lettuce.**
White Asparagus lettuce, from Lanchow, China.
149173. MEDICAGO FALCATA L. Fabaceae.
Transbaicalica. From the Soviet Union.
- 149174 and 149175. PANICUM MILIACEUM L. Poaceae. **Millet.**
 Nonshattering types, from Novosibirsk Selection Station.
 149174. *Flyavum 0409*.
 149175. *Flyavum 034*.
149176. RAPHANUS SATIVUS L. Brassicaceae. **Radish.**
 Turnip-shaped radish. From Lanchow, China.
- 149177 and 149178. SETARIA ITALICA (L.) Beauv. Poaceae. **Foxtail millet.**
White millet. From Lanchow, China.
149179. VICIA FABA L. Fabaceae.
 Source unknown.
- 149180 to 149189. GLYCINE MAX (L.) Merrill. Fabaceae. **Soybean.**
 From Maryland. Seeds obtained from the Division of Forage Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received August 8, 1944.
149180. *Biloxi*. From Monetta, S. C.
 149181. *Burnette*. From Monetta, S. C.
 149182. *Charlee*. From Monetta, S. C.
 149183. *Creole*. From Monetta, S. C.
 149184. *Delsoy*. From Mississippi.
 149185. *Georgian*. From Monetta, S. C.
 149186. *Missoy*. From Monetta, S. C.
 149187. *Nanda*. From Monetta, S. C.
 149188. *Seminole*. From Monetta, S. C.
 149189. *Tokyo*. From Monetta, S. C.
- 149190 to 149214. ORYZA SATIVA L. Poaceae. **Rice.**
 From Maryland. Seeds obtained from the Division of Cereal Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received August 10, 1944.
149190. *C-4*. From Beaumont, Tex.
 149191. *C.J. 461*. From Beaumont, Tex.
 149192. *H-32*. From Beaumont, Tex.
 149193. *P.R. 147*. From Beaumont, Tex.

149190 to 149214—Continued

149194. *P.R. 304*. From Beaumont, Tex.
 149195. *P.R. 325*. From Beaumont, Tex.
 149196. *P.R. 358*. From Beaumont, Tex.
 149197. *P.R. 388*. From Beaumont, Tex.
 149198. *P.R. 403*. From Beaumont, Tex.
 149199. *P.R. 416*. From Beaumont, Tex.
 149200. *P.R. 482*. From Beaumont, Tex.
 149201. *R.D. 218*. From Beaumont, Tex.
 149202. *S.D. 144*. From Beaumont, Tex.
 149203. *Arkansas Fortuna*. From Stuttgart, Ark.
 149204. *Caloro*. From Stuttgart, Ark.
 149205. *Carolina Gold*. From Beaumont, Tex.
 149206. *Colusa*. From Stuttgart, Ark.
 149207. *Gopher* (bold). From Beaumont, Tex.
 149208. *Gopher* (long). From Beaumont, Tex.
 149209. *Honduras*. From Beaumont, Tex.
 149210. *Penn Gopher* (bold). From Beaumont, Tex.
 149211. *Penn Gopher* (long). From Beaumont, Tex.
 149212. *Shoemed*. From Stuttgart, Ark.
 149213. *Supreme Blue Rose*. From Stuttgart, Ark.
 149214. *Zenith*. From Stuttgart, Ark.

149215. NICOTIANA RUSTICA L. Solanaceae. Aztec tobacco.

From Maryland. Seeds obtained from the Division of Tobacco Investigations, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received August 11, 1944.

Grown at Upper Marlboro.

149216 to 149220. NICOTIANA TABACUM L. Solanaceae. Tobacco.

From Maryland. Seeds obtained from the Division of Tobacco Investigations, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received August 11, 1944.

149216. *Bonanza* (flue-cured). Grown at Oxford, N. C.
 149217. *Gold Dollar* (flue-cured). Grown at Oxford, N. C.
 149218. *Judy's Pride* (White burley). Grown at Greenville, Tenn.
 149219. *Kentucky No. 16* (White burley). Grown at Greenville, Tenn.
 149220. *Virginia Bright Leaf* (flue-cured). Grown at Oxford, N. C.

149221 to 149226.

From Brazil. Cuttings presented by H. P. Olmo, through the American consul, São Paulo. Received August 23, 1944.

149221. BOUGAINVILLEA sp. Nyctaginaceae.

A small, purple-flowered species from Teresopolis, Rio de Janeiro.

149222 to 149226. VITIS VINIFERA L. Vitaceae. European grape.

149222. *Highland tetraploid*. From Teresopolis, Rio de Janeiro.
 149223. *Isabella*. From Estación Experimental, São Roque, São Paulo.
 149224. *Le Tank*. From Estación Experimental, São Roque.
 149225. *Union Village*. From Estación Experimental, São Roque.
 149226. *Union Village*. From Cinzano Vineyard, São Roque.

149227 to 149244. GLYCINE MAX (L.) Merrill. Fabaceae.**Soybean.**

From Maryland. Seeds obtained from the Division of Forage Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received August 24, 1944.

- 149227. *Aoda*. From Beltsville, Md.
- 149228. *Chief*. From Illinois.
- 149229. *Dunfield*. From Illinois.
- 149230. *Emperor*. From Beltsville, Md.
- 149231. *Gibson*. From Illinois.
- 149232. *Hahto-Mich*. From Beltsville, Md.
- 149233. *Harbinsoy*. From New Jersey.
- 149234. *Higan-B*. From Beltsville, Md.
- 149235. *Illini*. From Illinois.
- 149236. *Imperial*. From Beltsville, Md.
- 149237. *Kanro*. From Beltsville, Md.
- 149238. *Lincoln*. From Illinois.
- 149239. *Mandarin*. From Illinois.
- 149240. *Mandell*. From Illinois.
- 149241. *Mendota*. From Beltsville, Md.
- 149242. *Patoka*. From Illinois.
- 149243. *Richland*. From Illinois.
- 149244. *Scioto*. From Illinois.

149245. PHOENIX DACTYLIFERA L. Phoenicaceae.**Date.**

From California. Offshoots presented by the United States Date Garden, Indio. Received August 24, 1944.

*Medjool.***149246 to 149253.**

From Bolivia. Seeds presented by University of Cochabamba, Cochabamba. Received August 11, 1944.

149246 to 149248. AMARANTHUS ASPLUNDII Thell. Amaranthaceae.

- 149246. *No. 1-A. Blanco Iuyu Jatako*. Cochabamba.
- 149247. *No. 3-A. Morado obscuro*. Cochabamba.
- 149248. *No. 2-A. Rosado*. Cochabamba.

149249 to 149253. AMARANTHUS QUITENSIS H.B.K.

- 149249. *No. 1. Blanco*. Cochabamba.
- 149250. *No. 1-C. Blanco*. Cuzco.
- 149251. *No. 2. Morado*. Cochabamba.
- 149252. *No. 2-C. Morado*. Cuzco.
- 149253. *No. 3. Purpura casi negro*. Cochabamba.

149254. CARPODIPTERA AMELIAE Lundell. Tiliaceae.

From Florida. Tree growing at the United States Plant Introduction Garden, Coconut Grove. Numbered August 29, 1944.

A small tree with smooth, greenish-gray bark; oval, long-stalked leaves; and small, fragrant flowers followed by four-winged fruits. Native to San Luis Potosi, Mexico.

- 149255 and 149256. GOSSYPIUM RELIGIOSUM L. Malvaceae. Cotton.**
 From New Caledonia. Seeds collected by Lamory T. Laumeister, San Francisco, Calif. Received August 29, 1944.
 149255. Introduced under the varietal name "caravonica," for which a place of publication has not been found.
 149256. Introduced under the varietal name "peruvianum," for which a place of publication has not been found.
- 149257 and 149258. CITRULLUS VULGARIS L. Schrad. Cucurbitaceae. Watermelon.**
 From Connecticut. Seeds presented by the Associated Seed Growers, New Haven. Received September 2, 1944.
 149257. *Hawkesbury*.
 149258. *Klondike R. No. 7*.
- 149259. CITRULLUS VULGARIS Schrad. Cucurbitaceae. Watermelon.**
 From California. Seeds presented by Glenn N. Davis, Experiment Station, Davis. Received September 2, 1944.
Blue Ribbon.
- 149260 to 149272. ARACHIS HYPOGAEA L. Fabaceae. Peanut.**
 From Tanganyika. Seeds presented by the East African Research Station, Amani. Received September 2, 1944.
- | | |
|------------------------------------|-------------------------------------|
| 149260. <i>Barbaton 889</i> . | 149267. <i>Mtutu-B No. 1123</i> . |
| 149261. <i>Castle Cary Sel.</i> | 149268. <i>Meiyunde No. 891</i> . |
| 149262. <i>Kiehusa 1127</i> . | 149269. <i>Samara 38 Sel. 407</i> . |
| 149263. <i>Local Mixture 408</i> . | 149270. <i>Senegal No. 1120</i> . |
| 149264. <i>Lubalala No. 892</i> . | 149271. <i>Standard 1121</i> . |
| 149265. <i>Manyema No. 890</i> . | 149272. <i>V. B. 888</i> . |
| 149266. <i>Mtutu-A No. 1122</i> . | |
- 149273 to 149277. AVENA SATIVA L. Poaceae. Oats.**
 From Maryland. Seeds obtained from the Division of Cereal Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received September 4, 1944.
149273. *Bannock*. From Aberdeen, Idaho.
 149274. *Letoria*. From Stuttgart, Ark.
 149275. *Marion*. From Aberdeen, Idaho.
 149276. *Ranger*. From Aberdeen, Idaho.
 149277. *Tama*. From Ames, Iowa.
- 149278 to 149300. GOSSYPIUM. Malvaceae. Cotton.**
 From Maryland. Seeds obtained from the Division of Cotton and Other Fiber Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received September 7, 1944.
149278. *Acala 111 (Rogers)*. From Texas.
 149279. *Acala (Shafter P-18-C)*. From California.
 149280. *Cleewilt, Str. 7*. From South Carolina.
 149281. *Coker 100, Str. 6*. From South Carolina.
 149282. *Delfos 9252*. From Mississippi.

149278 to 149300—Continued

149283. *Deltapine 14*. From Mississippi.
 149284. *Dixie Triumph*. From South Carolina.
 149285. *Egyptian (SxP)*. From Arizona.
 149286. *Express 6637*. From Mississippi.
 149287. *Express 11384*. From Mississippi.
 149288. *Mebane (Triumph)*. From Texas.
 149289. *Mebane*. From Texas.
 149290. *Nucala*. From Texas.
 149291. *Oklahoma Triumph 44*. From Oklahoma.
 149292. *Rhyne' Cook*. From Alabama.
 149293. *Rowden, B 6*. From Arkansas.
 149294. *Rowden, 42a*. From Arkansas.
 149295. *Rowden 2088*. From Arkansas.
 149296. *Sea Island 12-B-2*. From Florida.
 149297. *Stoneville 2B (8275)*. From Mississippi.
 149298. *Stoneville 2C (7303)*. From Mississippi.
 149299. *Wilds, Str. 16*. From South Carolina.
 149300. *Young's Acala*. From New Mexico.

149301. GOSSYPIUM. Malvaceae.**Cotton.**

From China. Seeds obtained from Earl E. Berkley, Division of Cotton and Other Fiber Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received September 7, 1944. Originally from Kansu Province.

149302 and 149303.

From Argentina. Seeds collected by L. R. Parodi, Buenos Aires. Received August 14, 1944.

149302. *PACHYRHIZUS AHIPA* (Weddell) Parodi. Fabaceae.

149303. *PASPALUM NOTATUM* Fluegge. Poaceae. **Bahia grass.**

149304. CROTALARIA sp. Fabaceae.

From San Francisco. Seeds collected by Lt. Col. Nelson McKaig, Jr., CWS, Chemical Officer, Division Headquarters, 25th Infantry, APO No. 25. Received September 2, 1944.

Collected in New Caledonia.

149305. CEPHALOCEREUS POLYLOPHUS (DC.) Britt. & Rose. Cactaceae.

From Cuba. Seeds presented by the Harvard Botanical Garden, Soledad, Cienfuegos. Received September 2, 1944.

149306 to 149311. NICOTIANA TABACUM L. Solanaceae. Tobacco.

From Maryland. Seeds obtained from the Division of Tobacco Investigations, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received September 8, 1944.

149306. *Bonanza* (flue-cured). Grown at Florence, S. C.

149307. *Connecticut Broadleaf* (cigar type). Grown at Beltsville, Md.

149308. *Judy's Pride* (White burley). Grown at Greenville, Tenn.

149309. *Kentucky No. 16* (White burley). Grown at Greenville, Tenn.

149306 to 149311—Continued

149310. *Maryland Medium Broadleaf*. Grown at Upper Marlboro, Md.

149311. *Yellow Mammoth* (flue-cured). Grown at Florence, S. C.

149312. AMYGDALUS PERSICA L. Amygdalaceae. Peach.

From Maryland. Cuttings obtained from the Division of Fruit and Vegetable Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received August 31, 1944.

Dixigem.

149313 and 149314. AMYGDALUS PERSICA L. Amygdalaceae. Peach.

From Maine. Cuttings presented by Herbert L. Palmer, Pittsfield. Received September 11, 1944.

149313. Budwood from a tree growing on a farm near Monroe.

149314. From a tree on Watson's Buena Vista Fruit Farm, Monroe.

149315. CASSIA RENIGERA Wall. Caesalpiniaceae.

From Cuba. Seeds presented by the Atkins Institution of the Arnold Arboretum, Soledad, Cienfuegos. Received August 25, 1944.

A tropical tree with compound leaves 1 foot long; the 30 to 40 obtuse leaflets, 1½ inches long, are leathery and finely hairy beneath. The small reddish flowers are in short dense racemes, and the cylindrical pod is a foot in length. Native to northern Burma.

For previous introduction see 123170.

149316. NICOTIANA RUSTICA L. Solanaceae. Aztec tobacco.

From Maryland. Seeds obtained from the Division of Tobacco Investigations, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received September 11, 1944.

Grown in Upper Marlboro.

149317 to 149319.

From California. Seeds collected by Lt. Comdr. Sullivan G. Bedell, Advance Base, Navy 158, c/o Fleet P.O., San Francisco. Received August 14, 1944.

149317. ARECA sp. Phoenicaceae. Palm.

No. 10. A small palm with a slender trunk and bright-red fruits.

149318. CARYOTA sp. Phoenicaceae. Palm.

149319. CARYOTA sp.

No. 9. A large stately palm, the leaves of which resemble gigantic parsley leaves. The seeds are small and black.

149320. CUCUMIS MELO L. Cucurbitaceae. Muskmelon.

From New York. Seeds presented by Dr. H. M. Munger, Agricultural Experiment Station, Cornell University, Ithaca. Received September 13, 1944.

Iroquois.

149321. CITRUS. Rutaceae.

From Texas. Cuttings presented by W. H. Friend, Lower Rio Grande Valley Experiment Station, Weslaco. Received September 13, 1944.

Mexican Thornless Lime.

149322. CROTALARIA sp. Fabaceae.

From California. Seeds collected by Lt. Col. Anselm M. Keefe, Chaplain, 135th Med. Regt., APO 322, Unit 1, c/o PM, San Francisco. Received September 5, 1944.

A plant 6 to 8 feet tall, with panicles of sulfur-yellow flowers.

149323 to 149334. CUCUMIS MELO L. Cucurbitaceae. Muskmelon.

From California. Seeds presented by T. W. Whitaker, Division of Fruit and Vegetable Crops and Diseases, United States Horticultural Station, La Jolla (Torrey Pines). Received September 14, 1944.

Powdery-mildew-resistant strains.

149323. No. 5. 149329. No. 31739.

149324. No. 45. 149330. No. 31751.

149325. No. 31417. 149331. No. 31788.

149326. No. 31450. 149332. No. 31794.

149327. No. 31722. 149333. No. 32120.

149328. No. 31733. 149334. No. 32214.

149335. EREMOCITRUS GLAUCA × CITRUS LIMON. Rutaceae.

From California. Seeds obtained through W. T. Swingle, from the United States Experimental Date Garden, Indio. Received September 14, 1944.

Eremolemon. A rootstock resistant to boron and salt.

149336. CEDRUS BREVIFOLIA (Hook. f.) Henry. Pinaceae.

From Cyprus. Seeds presented by Mrs. George D. White, Skouriotissa, Nicosia. Received September 4, 1944.

149337 to 149349.

From Australia. Seeds presented by the Council for Scientific and Industrial Research, Canberra City. Received September 2, 1944.

149337. *ALYSICARPUS BUPLEURIFOLIUS* (L.) DC. Fabaceae.

CPI No. 2675.

149338. *ALYSICARPUS VAGINALIS* (L.) DC.

CPI No. 2676.

149339. *BRASSICA CAMPESTRIS* var. *SARSON* Prain. Brassicaceae.

CPI No. 8537.

149340. *BRASSICA* sp.

CPI No. 8538.

149341. *BRASSICA NAPUS* var. *DICHOTOMA* (Roxb.) Prain.

CPI No. 8536.

149342. *CROTALARIA GOREENSIS* Guill. & Perr. Fabaceae.

CPI No. 1251.

149343. *DOLICHOS LABLAB* L. Fabaceae.

CPI No. 5673.

149344 to 149346. *PENNISETUM GLAUCUM* (L.) R. Br. Poaceae.

Pearl millet.

149344. *CPI No. 2311*, origin Nigeria.

149345. *CPI No. 8436*, origin India.

149346. *CPI No. 8443*, origin Ceylon.

149337 to 149349—Continued

149347 and 149348. PHASEOLUS CALCARATUS Roxb. Fabaceae.

149347. *CPI No. 2773.*

149348. *CPI No. 2779.*

149349. UROCHLOA sp. Poaceae.

Grass.

CPI No. 8683.

149350 to 149352.

From Maryland. Seeds obtained from the Division of Forage Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received September 18, 1944.

149350. BUCHLOE DACTYLOIDES (Nutt.) Engelm. Poaceae. Buffalo grass.

149351. LESPEDEZA STIPULACEA Maxim. Fabaceae. Bushclover.

149352. TRIFOLIUM REPENS L. Fabaceae. White clover.

149353. KNIPHOFIA. Liliaceae.

Torchlily.

From Maryland. Plants growing at the United States Plant Introduction Garden, Glenn Dale. Numbered September 21, 1944.

Originally from Thompson & Morgan, Ipswich, England.

Amato.

149354 and 149355. CITRUS. Rutaceae.

From California. Seeds collected by W. T. Swingle at the Citrus Experiment Station, Riverside. Received August 21, 1944.

149354. *Citrus grandis* × *C. limon*. (*Chinese Pummelo* × *Meyer lemon*.)
Lemelo.

149355. (*Citrus grandis* × *C. limon*?)
Cuban Shaddock.

149356 to 149363. CITRULLUS VULGARIS Schrad. Cucurbitaceae.

Watermelon.

From Iowa. Seeds presented by the Agricultural Experiment Station, Division of Horticulture, Iowa State College, Ames. Received September 22, 1944.

149356. *Dixie Hybrid.*

149357. *Hawkesbury.*

149358. *Iowa Belle.*

149359. *Iowa King.*

149360. *Kleckley Sweet No. 6.*

149361. *Klondike Striped Blue Ribbon.*

149362. *Pride of Muscatine.*

149363. *Stone Mountain No. 5.*

149364. GARCIA NUTANS Vahl. Euphorbiaceae.

From Venezuela. Seeds presented by J. H. Kempton, American Embassy, Caracas. Received August 22, 1944.

Collected 40 km. south of Acarigua, in the State of Portuguesa.

For previous introduction see 147709.

149365 to 149377. SECALE CEREALE L. Poaceae. Rye.

From Canada. Seeds presented by the Central Experimental Farm, Canada.
Received September 14, 1944.

- | | |
|---------------------------------|-------------------------------|
| 149365. <i>Advance.</i> | 149372. <i>Imperial.</i> |
| 149366. <i>Balbo.</i> | 149373. <i>Midsummer.</i> |
| 149367. <i>Cornell No. 45.</i> | 149374. <i>Prussian.</i> |
| 149368. <i>Crown.</i> | 149375. <i>Rosen.</i> |
| 149369. <i>Crown Ott. 115.</i> | 149376. <i>Russian.</i> |
| 149370. <i>Dakota Sask. 23.</i> | 149377. <i>White Russian.</i> |
| 149371. <i>Horton.</i> | |

149378. GARCIA NUTANS Vahl. Euphorbiaceae.

From Puerto Rico. Seeds presented by the Puerto Rico Agricultural Experiment Station, Mayagüez. Received August 21, 1944.

For previous introduction see 149364.

149379 to 149381. MUSA TEXTILIS Nee. Musaceae. Abacá.

From Honduras. Seeds presented by J. H. Perman, La Lima. Received September 16, 1944.

149379. *Buagulanon.*
149380. *Libuton.*
149381. *Tangongon.*

149382 to 149396.

From Maryland. Seeds obtained from the Division of Forage Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received September 26, 1944.

- | | |
|--|---------------------|
| 149382 and 149383. <i>MEDICAGO SATIVA L.</i> Fabaceae. | Alfalfa. |
| 149382. <i>F.C. 30576.</i> From Oklahoma. | |
| 149383. <i>F.C. 30607.</i> From Kansas. | |
| 149384. <i>MELILOTUS ALBA</i> Desr. Fabaceae. | White sweetclover. |
| <i>F.C. 22719.</i> | |
| 149385. <i>MELILOTUS INDICA (L.)</i> All. | Sweetclover. |
| <i>F.C. 22871.</i> | |
| 149386. <i>MELILOTUS OFFICINALIS (L.)</i> Lam. | Yellow sweetclover. |
| <i>F.C. 22694.</i> | |
| 149387. <i>TRIFOLIUM DUBIUM</i> Sibth. Fabaceae. | Clover. |
| <i>F.C. 22524.</i> | |
| 149388. <i>TRIFOLIUM PRATENSE L.</i> | Red clover. |
| <i>F.C. 22907.</i> | |
| 149389. <i>TRIFOLIUM REPENS L.</i> | White clover. |
| <i>F.C. 22794.</i> | |
| 149390. <i>AGROPYRON CRISTATUM (L.)</i> Gaertn. Poaceae. Crested wheatgrass. | |
| <i>F.C. 22755.</i> | |
| 149391. <i>AGROPYRON PAUCIFLORUM (Schwein.)</i> Hitchc. Slender wheatgrass. | |
| <i>F.C. 22697.</i> | |
| 149392. <i>AGROPYRON SMITHII</i> Rydb. | Western wheatgrass. |
| <i>F.C. 22856.</i> | |

149382 to 149396—Continued

149393. *BOUTELOUA GRACILIS* (H.B.K.) Lag. Poaceae. Blue grama grass.
F.C. 22733.

149394 and 149395. *BROMUS INERMIS* Leyss. Poaceae. Smooth bromegrass.

149394. F.C. 22358.

149395. B-in-5.

149396. *FESTUCA OVINA* L. Poaceae. Sheep fescue.
F.C. 22344.

149397. *AMYGDALUS PERSICA* L. Amygdalaceae. Peach.

From Maryland. Cuttings obtained from the Division of Fruit and Vegetable Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received September 27, 1944.

FV-4-155.

149398 to 149400.

From Mexico. Seeds collected by Raymond W. Schulz, Cuernavaca, Morelos. Received September 5, 1944.

149398. *CAPSICUM FRUTESCENS* L. Solanaceae. Redpepper.

149399. *SOLANDRA GUTTATA* D. Don. Solanaceae.

A climber about 20 feet high, with pubescent leaves 6 inches long; fragrant, yellowish, tubular flowers; and round, yellow, berrylike fruits the size of guavas.

149400. *SOLANUM MACRANTHUM* Dunal. Solanaceae.

A rapidly growing tree with large, dark-green, spiny leaves and a great profusion of large blue-violet flowers that change color from day to day, becoming pale blue and later fading to white.

For previous introduction see 117708.

149401 to 149403. *CITRULLUS VULGARIS* Schrad. Cucurbitaceae. Watermelon.

From Florida. Seeds presented by the Watermelon and Grape Investigations Laboratory, Leesburg. Received September 30, 1944.

149401. Blacklee. 1944.

149402. Brownlee. 1944.

149403. Leesburg. 1944.

149404. *CYAMOPSIS TETRAGONOLOBA* (L.) Taub. Fabaceae. Guar.

From California. Seeds presented by B. A. Madson, Division of Agronomy, University of California Experiment Station, Davis. Received September 30, 1944.

149405 to 149418.

From Argentina. Seeds collected by Carlos A. Vallejo, La Rioja. Received September 4, 1944.

149405. *ACACIA VISCO* Griseb. Mimosaceae.

Arco; visco. A tree, native to northern Argentina, commonly unarmed, but occasionally with recurved thorns. The leaves consist of three to six pairs of pinnae, and the flowers are sessile. The walnut-colored hardwood is striped and much appreciated for moisture resistance.

For previous introduction see 94764.

149405 to 149418—Continued

149406. *ARAUCARIA ANGUSTIFOLIA* (Bertol.) Kuntze. Pinaceae.

No. 6. *Pino Parana*. A tall evergreen tree native in southern Brazil, sometimes 100 feet high, with large and nearly globular cones. The wood is used in construction work, for turning ship masts, cabinet work, and for matches.

149407. *ASPIDOSPERMA QUEBRACHO-BLANCO* Schlecht. Apocynaceae.

No. 19. A graceful tree up to 75 feet high with alternate, mostly entire leaves and small yellowish flowers followed by flat woody pods containing thin, circular, winged seeds nearly 3 inches across. It is native to Argentina.

For previous introduction see 88208.

149408. *CAESALPINIA MELANOCARPA* Griseb. Caesalpiniaceae.

No. 14. A shrub or small tree with oblong to orbicular leaflets up to 1 inch long and large racemes of rather large yellow flowers that are borne throughout the year. Native to Mexico.

For previous introduction see 133843.

149409. *CAPSICUM FRUTESCENS* L. Solanaceae.

Redpepper.

No. 17. A very pungent variety.

For previous introduction see 148635.

149410. *CERCIDIUM PRAECOX* (Ruiz & Pav.) Harms. Caesalpiniaceae.

No. 12. *Brea*. A spiny shrub or small tree about 25 feet high with pale-green bark, ascending branches, bipinnate leaves, and small, yellow flowers. It grows in semidesert lands among cacti and spiny shrubs. Native to northwestern South America.

For previous introduction see 124625.

149411. *GLEDITSIA AMORPHOIDES* (Griseb.) Taub. Caesalpiniaceae.

No. 8. *Espina corona*. A spiny tree, native to Bolivia, with pinnate leaves and greenish flowers, sometimes reaches a height of 50 feet with a trunk diameter of more than 2 feet. The hard, tough, durable wood is used locally for construction.

For previous introduction see 104161.

149412. *GOURLIEA DECORTICANS* Hook. Fabaceae.

No. 21. *Chanar*. A large shrub or small tree, native to Argentina, with small, yellow flowers and fleshy, edible pods.

For previous introduction see 33970.

149413. *MIMOSA PIGRA* L. Mimosaceae.

No. 20-A. An erect thorny shrub 3 to 6 feet high, with bipinnate leaves made up of linear leaflets less than one-fourth of an inch long, and heads of small, pink flowers. It is native to Mexico and is also found in tropical America and Africa.

For previous introduction see 94777.

149414. *MORRENIA ODORATA* (Hook. & Arn.) Lindl. Asclepiadaceae.

No. 20. *Doca*. A twining vine with hastate leaves and greenish, sweet-smelling flowers, found in the vicinity of Buenos Aires in Argentina.

For previous introduction see 144252.

149415. *PITHECOCTENIUM CYNANCHOIDES* DC. Bignoniaceae.

No. 18. *Guitarrita*. A woody vine climbing by tendrils on the leaves. The large, pure-white, trumpetlike flowers are borne in terminal pairs, usually throughout the year. Native to Argentina.

For previous introduction see 128302.

149405 to 149418—Continued

149416. *TABEBUIA* sp. Bignoniaceae.No. 5. *Lapacho*.149417. *TABEBUIA AVELLANEDAE* Griseb.

No. 5-A. *Lapacho*. A large handsome tree with 5-parted leaves about 4 inches across, and very numerous rosy-lilac flowers more than an inch wide near the ends of the branches. Native to northern Argentina and Paraguay.

149418. *ZIZIPHUS MISTOL* Griseb. Rhamnaceae.

No. 11. *Mistol*. A spiny tree, native to Argentina, up to 30 feet in height, with oval, leathery, short-stemmed leaves about an inch long, and edible, black fruits about one-third inch in diameter. The hard, red wood is not used commercially.

149419 to 149422. *DERRIS ELLIPTICA* (Roxb.) Benth. Fabaceae.

From Puerto Rico. Cuttings presented by the Puerto Rico Agricultural Experiment Station, Mayagüez. Numbered October 2, 1944.

149419. *Puerto Rico Clone No. 25-35*.149420. *Puerto Rico Clone No. 76-14*.149421. *Puerto Rico Clone No. 107-15*.149422. *Puerto Rico Clone No. 122-9*.149423 and 149424. *CHRYSANTHEMUM CINERARIAEFOLIUM* (Trevir.) Vis. Asteraceae.

From Kenya. Seeds presented by the Director, Department of Agriculture, Nairobi. Received September 5, 1944.

149423. A low-altitude type.

149424. Ordinary type.

149425. *CITRUS SINENSIS* (L.) Osbeck. Rutaceae. **Orange.**

From Florida. Cuttings presented by T. Ralph Robinson, Orlando. Received August 2, 1938. Numbered September 1944.

Lu Gim Gong Orange.

149426 to 149431.

From Florida. Cuttings presented by E. M. Savage, Fruit and Vegetable Crops and Diseases, Eustis. Received September 10, 1935. Numbered September 1944.

149426 to 149428. *CITRUS SINENSIS* (L.) Osbeck. Rutaceae. **Orange.**149426. *C.P.B. 295. Lamb's Summer Orange*.149427. *C.P.B. 300. Navel Orange*.149428. *C.P.B. 303. Navel Orange*.149429. *CITRUS RETICULATA* × *PARADISI*.*C.P.B. 304. Williams Tangelo*.149430 and 149431. *CITRUS SINENSIS* (L.) Osbeck. Rutaceae. **Orange.**149430. *C.P.B. 294. Sunshine*.149431. *C.P.B. 297. Wekiwa*.149432 to 149434. *CITRUS SINENSIS* (L.) Osbeck. Rutaceae. **Orange.**

From Washington, D. C. Cuttings obtained from the greenhouses of the

149432 to 149434—Continued

Department of Agriculture. Received September 7, 1938. Numbered September 1944.

149432. *Hamlin*.

149433. *Parson Brown*.

149434. *Pineapple*.

149435 and 149436. CITRUS SINENSIS (L.) Osbeck. Rutaceae.**Orange.**

From Florida. Cuttings presented by F. E. Gardner, United States Horticultural Field Laboratory, Orlando. Received September 20, 1940. Numbered September 1944.

149435. *Conner's Seedless*.

149436. *Enterprise Seedless*.

149437. CITRUS SINENSIS (L.) Osbeck. Rutaceae.**Orange.**

From Florida. Cuttings presented by T. Ralph Robinson, Orlando. Received September 24, 1938. Numbered September 1944.

Valencia.

149438. CITRUS SINENSIS (L.) Osbeck. Rutaceae.**Orange.**

From Florida. Cuttings presented by the Citrus Experiment Station, Eustis. Received December 25, 1935. Numbered September 1944.

Surprise Navel.

149439 to 149444.

From Florida. Cuttings presented by E. M. Savage, Eustis. Received July 24, 1935. Numbered September, 1944.

148439 to 149442. CITRUS SINENSIS (L.) Osbeck. Rutaceae. **Orange.**

149439. *Navel No. 45577. Q 244.*

149440. *Navel No. 45191. Q 241.*

149441. *Navel No. 45919. Q 246.*

149442. *Clement. Q 238.*

149443. CITRUS RETICULATA × PARADISI. Rutaceae.

Tangelo.

S.E. Minole (Seminole) Q 233.

149444. CITRUS SINENSIS (L.) Osbeck.

Orange.

Yalaha. Q 237.

149445 to 149447. CITRUS LIMON (L.) Burm. f. Rutaceae.**Lemon.**

From California. Cuttings presented by the Citrus Experiment Station, Riverside. Received November 4, 1931. Numbered September 1944.

149445. *Eureka*.

149446. *Lisbon*.

149447. *Villa France*.

149448 to 149453.

From Florida. Cuttings presented by H. P. Traub, Orlando. Received November 12, 1935. Numbered September 1944.

149448 to 149450. CITRUS RETICULATA × PARADISI. Rutaceae. **Tangelo.**

149448. *Minneola No. 52018-0-4.*

149449. *Orlando No. 52018-G-26.*

149450. *Umatilla No. 52031-B-2.*

149448 to 149453—Continued

149451. CITRUS LIMON (L.) Burm. f. Rutaceae. Lemon.
Perrine No. 48848.

149452. CITRUS PARADISI Macfad. Grapefruit.
Davis No. 11634a.

149453. CITRUS NOBILIS var. UNSHIU × FORTUNELLA sp. Orangequat.
Nippon No. 49956.

149454 to 149459. CITRUS PARADISI Macfad. Rutaceae. Grapefruit.

From Florida. Scions presented by E. M. Savage, Citrus Experiment Station, Eustis. Received February 5, 1938. Numbered September 1944.

149454. *Thompson.* 149457. *Royal.*

149455. *Triumph.* 149458. *Sunshine.*

149456. *Redblush.* 149459. *Thompson.*

149460 to 149462. CITRUS AURANTIFOLIA (Christm.) Swingle. Rutaceae. Lime.

From Florida. Cuttings presented by T. R. Robinson, Orlando. Received August 2, 1938. Numbered September 1944.

149460. *Lakeland.*

149461. *Tahiti.*

149462. *Key.*

149463 to 149466.

From Florida. Scions presented by H. P. Traub, Orlando. Received June 13, 1938. Numbered September 1944.

149463. CITRUS NOBILIS var. UNSHIU Swingle. Rutaceae.
Silverhill Satsuma.

149464 and 149465. CITRUS RETICULATA × PARADISI.

149464. *Altoona Tangelo.*

149465. *Pearl Tangelo.*

149466. CITRUS SINENSIS (L.) Osbeck. Orange.
Warnuco.

149467. (Undetermined.)

From California. Seeds presented by Lt. Comdr. S. G. Bedell (M.C.), USNR, NAB Navy, 158, F.P.O., San Francisco. Received September 16, 1944.

Collected in the Pacific area by William J. Sidam, St. James, Minn.

149468 to 149471.

From California. Seeds presented by Lt. Comdr. S. G. Bedell (M.C.), USNR, NAB Navy, 158, F.P.O., San Francisco. Received September 19, 1944.

Collected in the Pacific area.

149468. ARISTOLOCHIA sp. Aristolochiaceae.

149469. CASUARINA sp. Casuarinaceae.

149470. PTYCHOSPERMA sp. Phoenicaceae. Palm.

149471. TRICHOSANTHES sp. Cucurbitaceae.

149472 to 149477.

From California. Spores presented by Lt. Comdr. S. G. Bedell, Advance Base, Navy 158, Division 4, F.P.O., San Francisco. Received September 28, 1944.

Collected in the Pacific area.

149472. TECTARIA sp. Polypodiaceae.

Large jungle fern.

149473. ASPLENIUM sp. Polypodiaceae.

Jungle fern.

149474. ELAPHOGLOSSUM sp. Polypodiaceae.

Small thick-leaved fern.

149475. NEPHROLEPIS sp. Polypodiaceae.

Jungle fern.

149476. ASPLENIUM sp.

Climbing fern with delicate leaf.

149477. POLYPODIUM sp. Polypodiaceae.

Large-leaved jungle fern.

149478. PHORMIUM TENAX Forst. Liliaceae. New Zealand flax.

From New Zealand. Seeds presented by the Botanic Gardens, Christchurch. Received September 26, 1944.

149479 and 149480.

From Ecuador. Seeds presented by Lt. Comdr. Jean L. Caillouet, Jr., USNR, Guayaquil. Received September 28, 1944.

149479. BOMBAX sp. Bombacaceae.

Chirigua.

149480. COCHLOSPERMUM sp. Cochlospermaceae.

Bototillo.

149481 and 149482.

From Florida. Plants growing at the United States Plant Introduction Garden, Coconut Grove. Numbered November 15, 1944.

149481. CRYPTOSTEGIA. Asclepiadaceae.

F₁ hybrid.

149482. CRYPTOSTEGIA GRANDIFLORA R. Br.

From Nassau, British West Indies.

149483. CITRUS. Rutaceae.

From Florida. Seeds presented by D. J. Nicholson, Orlando. Received November 9, 1944.

Scarlet Lime (Merritt).

149484 to 149491.

From Maryland. Seeds obtained from the Division of Fruit and Vegetable Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received October 19, 1944.

149484 and 149485. PHASEOLUS VULGARIS L. Fabaceae. Common bean.

149484. *Logan.*

149485. *U.S. No. 5.*

149486. PISUM SATIVUM L. Fabaceae.

Pea.

Wando.

149484 to 149491—Continued

149487 to 149489. LYCOPERSICON ESCULENTUM Mill. Solanaceae.

149487. *Break O'Day*.

149488. *Glovel*.

149489. *Pritchard*.

149490. LYCOPERSICON HIRSUTUM Humb. & Bonpl.

149491. LYCOPERSICON PERUVIANUM (L.) Mill.

149492. RHEUM RIBES L. Polygonaceae.

From Iran. Seeds presented by Capt. John S. Daniel, Jr., AGD, Postal Officer, Tehran. Received October 28, 1944.

149493. ZIZIPHORA TENUIOR L. Menthaceae.

From Iran. Seeds collected by Capt. John S. Daniel, Jr., Postal Officer, Tehran. Received October 28, 1944.

149494. PHELLODENDRON LAVALLEI Dode. Rutaceae.

From New York. Seeds collected by Walter T. Swingle, Bronx Park. Received November 2, 1944.

Collected from a tree in the grounds of the New York Botanical Garden.

149495. RUBUS MACROCARPUS Benth. Rosaceae.

From Colombia. Seeds presented by H. V. Geib, Agricultural Adviser, American Embassy, Bogotá. Received October 23, 1944.

Mora (Giant blackberry).

149496. SORGHUM VULGARE Pers. Poaceae.

From Oklahoma. Seeds presented by J. B. Sieglinger, Oklahoma Agricultural Experiment Station, Stillwater. Received October 30, 1944.

Sumac Sorgo, F.C.I. No. 1712.

149497. ELAEOCARPUS SPHAERICUS (Gaertn.) Schum. Elaeocarpaceae.

From California. Seeds collected by Lt. Comdr. S. G. Bedell, Navy 158, Advance Base, F.P.O., San Francisco. Received October 12, 1944.

Probably from the Pacific area. A handsome tree with deeply fluted trunk. The bright-blue berries attract birds.

149498. FRAGARIA. Rosaceae.**Strawberry.**

From Maryland. Plants obtained from the Division of Fruit and Vegetable Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received October 28, 1944.

No. 3203 (*Aberdeen* × 2629) (*Catskill* × *Fairfax*).

149499. CHLORIS GAYANA Kunth. Poaceae.**Rhodes grass.**

From California. Seeds presented by the Germain Seed and Plant Co., Los Angeles. Received October 27, 1944.

149500 to 149510. SACCHARUM. Poaceae.**Sugarcane.**

From Florida. Cuttings presented by the United States Sugarcane Station, Canal Point. Received October 9, 1944.

149500. C.P. 29/103.

149503. C.P. 34/54.

149501. C.P. 29/120.

149504. C.P. 34/79.

149502. C.P. 29/1

149505. C.P. 34/120.

149500 to 149510—Continued149506. *C.P. 33/243.*149509. *C.P. 36/191.*149507. *C.P. 33/372.*149510. *C.P. 42/24.*149508. *C.P. 33/409.***149511 to 149514. PERSEA AMERICANA Mill. Lauraceae. Avocado.**

From Florida. Scions presented by the United States Plant Introduction Garden, Coconut Grove. Received April 18, 1944. Numbered October 1944.

149511. *Booth No. 1.*149513. *Linda.*149512. *Booth No. 8.*149514. *Peterson.***149515 and 149516.**

From Maryland. Seeds obtained from the Division of Tobacco Investigations, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received October 9, 1944.

149515. *NICOTIANA RUSTICA L. Solanaceae.**Aztec tobacco.*149516. *NICOTIANA sp.***149517 and 149518. AGROSTIS PALUSTRIS Huds. Poaceae. Grass.**

From Maryland. Seeds obtained from the Division of Forage Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received October 9, 1944.

149517. *Creeping Bent.*149518. *Seaside Bent.***149519 to 149521. HUMULUS LUPULUS L. Moraceae. Common hop.**

From Oregon. Plants presented by G. R. Hoerner, Agricultural Experiment Station, Corvallis. Received October 9, 1944.

149519. *Fuggles.*149520. *Early Cluster.*149521. *Late Cluster.***149522. BUCHLOE DACTYLOIDES (Nutt.) Engelm. Poaceae. Grass**

From Texas. Seeds presented by H. O. Hill, Agricultural Experiment Station, Temple. Received October 10, 1944.

*Buffalo.***149523. SACCHARUM. Poaceae.****Sugarcane.**

From Hawaii. Cuttings presented by the Experiment Station, Hawaiian Sugar Planters' Association, Honolulu. Received October 12, 1944.

*Hawaii 32-8560.***149524 to 149534.**

From Maryland. Seeds obtained from the Division of Forage Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received October 12, 1944.

149524. *ALYSICARPUS VAGINALIS (L.) DC. Fabaceae.**Alyceclover.*

From Florida.

149525. *CASSIA TORA L. Caesalpinaceae.*

From Florida.

149526. *CROTALARIA INCANA L. Fabaceae.*

From North Carolina.

149524 to 149534—Continued

149527. *INDIGOFERA HIRSUTA* L. Fabaceae.
From Florida.
149528. *LESPEDEZA STIPULACEA* Maxim. Fabaceae.
From Maryland.
- 149529 and 149530. *LESPEDEZA STRIATA* (Thunb.) H. & A.
149529. From North Carolina.
149530. From Louisiana.
149531. *MELILOTUS ALBA* Desr. Fabaceae. White sweetclover.
From Iowa.
149532. *MELILOTUS INDICA* (L.) All. Sweetclover.
From Louisiana.
149533. *SESBANIA MACROCARPA* Rafin. Fabaceae.
From Colorado.
149534. *TRIGONELLA FOENUM-GRÆCUM* L. Fabaceae. Fenugreek.
- 149535 and 149536. *SOLANUM TUBEROSUM* L. Solanaceae. Potato.**
From Australia. Tubers presented by A. C. Foster, Australian Potato Committee, Sydney, New South Wales. Received October 12, 1944.
149535. *Brownell*.
149536. *Hobart Pink-Eye*. (Yellow-fleshed.)
- 149537. *SACCHARUM*. Poaceae. Sugarcane.**
From Australia. Cuttings presented by the Department of Agriculture and Stock, Brisbane. Received October 19, 1944.
- Q-42.
- 149538 to 149547. *GLYCINE MAX* (L.) Merrill. Fabaceae. Soybean.**
From Maryland. Seeds obtained from the Division of Forage Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received October 20, 1944.
149538. *Aoda*. Grown at Beltsville, Md.
149539. *Emperor*. Grown at Beltsville, Md.
149540. *Hahto-1*. Grown at Beltsville, Md.
149541. *Hahto-20*. Grown at Beltsville, Md.
149542. *Higan-B*. Grown at Beltsville, Md.
149543. *Imperial*. Grown at Beltsville, Md.
149544. *Mendota*. Grown in Nebraska.
149545. *Nanda*. Grown at Monetta, S. C.
149546. *Seminole*. Grown at Monetta, S. C.
149547. *Tokyo*. Grown at Monetta, S. C.
- 149548 and 149549. *CEIBA PENTANDRA* (L.) Gaertn. Bombacaceae. Kapok.**
From Mexico. Seeds presented by Felix M. Vaquez, Talapa, Tehuantepec, Oaxaca. Received October 2, 1944.
149548. No. 1.
149549. No. 2.

149550 to 149560. GLYCINE MAX (L.) Merrill. Fabaceae. **Soybean.**

From Maryland. Seeds obtained from the Division of Forage Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received October 23, 1944.

- 149550. *Aoda*. Grown at Beltsville, Md.
- 149551. *Biloxi*. Grown at Monetta, S. C.
- 149552. *Cherokee*. Grown at Monetta, S. C.
- 149553. *Creole*. Grown at Monetta, S. C.
- 149554. *Delsoy*. Grown in Mississippi.
- 149555. *Hahto-1*. Grown at Beltsville, Md.
- 149556. *Nanda*. Grown at Monetta, S. C.
- 149557. *Rokusun*. Grown at Beltsville, Md.
- 149558. *Seminole*. Grown at Monetta, S. C.
- 149559. *Tokyo*. Grown at Monetta, S. C.
- 149560. *Willomi*. Grown at Beltsville, Md.

149561 to 149568.

From Maryland. Seeds obtained from the Division of Forage Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received October 23, 1944.

- 149561. *LESPEDEZA HEDYSAROIDES* (Pallas) Ricker. Fabaceae.
F.C. 22921.
- 149562. *MELILOTUS ALBA* Desc. Fabaceae. **White sweetclover.**
F.C. 22939.
- 149563 and 149564. *PASPALUM NOTATUM* Fluegge. Poaceae. **Bahia grass.**
- 149563. *No. 3*. From Tifton, Ga.
- 149564. *No. 4*. From Tifton, Ga.
- 149565. *LESPEDEZA STIPULACEA* Maxim. Fabaceae.
Korean strain.
- 149566 to 149568. *TRIFOLIUM REPENS* L. Fabaceae. **White clover.**
- 149566. *Ladino*. From Beltsville, Md.
- 149567. *Ladino White*. From Beltsville, Md.
- 149568. *Persian*. From Beltsville, Md.

149569 to 149597. *SOLANUM TUBEROSUM* L. Poaceae. **Potato.**

From Maryland. Seeds obtained from the Division of Fruit and Vegetable Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received October 24, 1944.

- 149569. *American Giant* × 96-28.
- 149570. *British Queen* × 247-24.
- 149571. *Earlaine No. 2* × 247-48.
- 149572. *Houma* × 96-56.
- 149573. *Katahdin* × B 44-14.
- 149574. *Katahdin* × B 76-7.
- 149575. *Katahdin* × B 76-49.
- 149576. *Katahdin* × 247-42.

149569 to 149597—Continued

149577. *Katahdin* × 247-48.
 149578. *Katahdin* × 47102.
 149579. *Mohawk* × *Katahdin*.
 149580. *Mohawk* × 247-30.
 149581. *Mohawk* × 247-42.
 149582. *Mohawk* × 403-5.
 149583. *President* × 96-56.
 149584. *Russett Rural* × 247-24.
 149585. *Russett Rural* × 46952.
 149586. *Sebago* × *Katahdin*.
 149587. *Sebago* × 96-56.
 149588. *Sequoia* × 247-30.
 149589. *Wisconsin Pride* × 247-42.
 149590. *White Rose* × 96-28.
 149591. *B 24-114-A-16* × *Katahdin*.
 149592. *B 70-5* × *B 24-76*.
 149593. *B 76-43* × *Katahdin*.
 149594. *96-56* × *Katahdin*.
 149595. *1276-185* × *Katahdin*.
 149596. *1034-d* × *Richters' Jubel*.
 149597. *336-18* × *46952*.

149598 to 149606.

From Maryland. Seeds obtained from the Division of Drug and Related Plants, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received October 24, 1944.

- | | |
|--|----------------|
| 149598. ANETHUM GRAVEOLENS L. Apiaceae. | Dill. |
| 149599. ATROPA BELLADONNA L. Solanaceae. | Belladonna. |
| 149600. CARUM CARVI L. Apiaceae. | Caraway. |
| 149601. FOENICULUM VULGARE Mill. Apiaceae. | Fennel. |
| 149602. LAVANDULA SPICA L. Apiaceae. | True lavender. |
| 149603. OCIMUM BASILICUM L. Menthaceae. | Sweet basil. |
| 149604. ORIGANUM VULGARE L. Menthaceae. | Wild marjoram. |
| 149605. PIMPINELLA ANISUM L. Apiaceae. | Anise. |
| 149606. SALVIA OFFICINALIS L. Menthaceae. | Sage. |

149607 to 149614.

From Pennsylvania. Seeds purchased from W. Atlee Burpee, Philadelphia. Received October 24, 1944.

149607. CUCUMIS MELO L. Cucurbitaceae. Muskmelon.
Imperial 45.
- 149608 to 149614. CUCURBITA MAXIMA Duchesne. Cucurbitaceae. Squash.
149608. *Yankee Hybrid*.
 149609. *Connecticut Straight Neck*.
 149610. *Golden*.

149607 to 149614—Continued

149608 to 149614—Continued

149611. *True Hubbard.*149612. *Warted Hubbard.*149613. *Blue Hubbard.*149614. *Red Hubbard.*

149615 to 149626.

From Maryland. Seeds obtained from the Division of Drug and Related Plants, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received October 25, 1944.

149615. *ALTHAEA OFFICINALIS* L. Malvaceae. Marshmallow.149616. *ATROPA BELLADONNA* L. Solanaceae. Belladonna.149617. *CHRYSANTHEMUM CINERARIAEFOLIUM* (Trevir.) Vis. Asteraceae.149618. *DATURA STRAMONIUM* L. Solanaceae.149619. *DIGITALIS LANATA* Ehrh. Scrophulariaceae.149620. *DIGITALIS PURPUREA* L.149621. *HYOSCYAMUS NIGER* L. Solanaceae.149622. *LOBELIA INFLATA* L. Campanulaceae.149623. *MARRUBIUM VULGARE* L. Menthaceae.149624. *MATRICARIA CHAMOMILLA* L. Asteraceae.149625. *OCIMUM BASILICUM* L. Menthaceae. Sweet basil.149626. *TEPHROSIA VIRGINIANA* (L.) Pers. Fabaceae.

149627. *PHYLLOSTACHYS BAMBUSOIDES* var. *CASTILLONI* (Marl.) H. de Lehaie. Poaceae. Castillo bamboo.

From Florida. Plants presented by Julian Nally, Gotha. Received at the Barbour Lathrop Plant Introduction Garden, Savannah, Ga., November 9, 1941. Numbered in 1944.

A variable form of *Phyllostachys bambusoides* var. *castilloni* in which the characteristic broad green stripe on the sulcus (grooved or flattened side) of the internode usually is lacking; it may be wanting on all internodes of a culm or present on only two or three. Occasionally a faint, slender green stripe may occur on the rounded side of an internode that otherwise is pure yellow, and there may also be slender whitish stripes in some leaves. A form apparently similar to this was briefly described from Japan many years ago and erroneously identified with *P. sulphurea* A. & C. Riviere; it was then called *P. reticulata* var. *sulphures* Makino.

149628. *PYRUS*. Malaceae. Pear.

From California. Plant growing at the United States Plant Introduction Garden, Chico. Numbered October 26, 1944.

D-56-7. Introduced originally in 1935, from H. R. Wright, Auckland, New Zealand, as an open-pollinated seedling of the variety *Garber*.

149629 to 149631. *PYRUS*. Malaceae. Pear.

From Maryland. Plants growing at the United States Plant Introduction Garden, Glenn Dale. Numbered October 26, 1944.

Introduced in 1935, from H. R. Wright, Auckland, New Zealand, as open-pollinated seedlings of the variety *Garber*.

149629. *02-13-8A*.149630. *02-9-13*.149631. *1-6*.

149632. ERAGROSTIS CURVULA (Schrad.) Nees. Poaceae. Grass.

From Maryland. Seeds obtained from the Division of Forage Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received October 10, 1944.

149633 to 149646. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Brazil. Seeds presented by F. Febeliano da Costa Filho, Director, Divisão de Experimentação e Pesquisas, Instituto Agronômico, Campinas, São Paulo. Received October 27, 1944.

149633. V-1.	149640. V-51.
149634. V-2.	149641. V-52.
149635. V-4.	149642. V-53.
149636. V-32.	149643. V-54.
149637. V-45.	149644. V-108.
149638. V-49.	149645. V-109.
149639. V-50.	149646. V-16.

149647 to 149671. GLYCINE MAX (L.) Merrill. Fabaceae. Soybean.

From Maryland. Seeds obtained from the Division of Forage Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received October 28, 1944.

149647. <i>Aoda</i> . From Beltsville, Md.
149648. <i>Bansei</i> . From Virginia.
149649. <i>Burnette</i> . From South Carolina.
149650. <i>Cherokee</i> . From South Carolina.
149651. <i>Creole</i> . From South Carolina.
149652. <i>Delsoy</i> . From Mississippi.
149653. <i>Emperor</i> . From Beltsville, Md.
149654. <i>Hahto-20</i> . From Beltsville, Md.
149655. <i>Hahto-Mich</i> . From Beltsville, Md.
149656. <i>Higan-B</i> . From Beltsville, Md.
149657. <i>Hokkaido</i> . From Beltsville, Md.
149658. <i>Imperial</i> . From Beltsville, Md.
149659. <i>Mendota</i> . From Nebraska.
149660. <i>Missoy</i> . From South Carolina.
149661. <i>Nanda</i> . From South Carolina.
149662. <i>Rokusun</i> . From Beltsville, Md.
149663. <i>Tokyo</i> . From South Carolina.
149664. <i>Willomi</i> . From Beltsville, Md.
149665. <i>Wolverine</i> . From Beltsville, Md.
149666. No. 71558. From South Carolina.
149667. No. 71570. From South Carolina.
149668. No. 71637. From South Carolina.
149669. No. 74642. From South Carolina.
149670. No. 85465. From South Carolina.
149671. No. 89775-A. From South Carolina.

149672. VIBURNUM TRILOBUM Marsh. Caprifoliaceae.

From Maryland. Seeds obtained from the Division of Fruit and Vegetable Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received October 30, 1944.

149673. GARCIA NUTANS Vahl. Euphorbiaceae.

From Mexico. Seeds presented by Dario L. Arrieta M., Dirección General de Agricultura, San Jacinto. Received October 11, 1944.

149674. AMARANTHUS QUITENSIS H.B.K. Amaranthaceae.

From Bolivia. Seeds presented by the University of Cochabamba, Cochabamba. Received October 11, 1944.

White grain.

149675. MILLETTIA OVALIFOLIA (Wight & Arn.) Kurz. Fabaceae.

From India. Seeds presented by E. A. Menninger, Stuart, Fla. Received October 16, 1944.

From the Government Botanic Gardens, Lal-Bagh, Bangalore, India.

149676 and 149677.

From Brazil. Seeds presented by E. H. Weiss, Baltimore, Md. Received October 19, 1944.

From the Rubber Development Corporation, Rio de Janeiro.

149676. MANIHOT sp. Euphorbiaceae.

Manicola.

149677. MANIHOT sp.

A tuberous-rooted plant, somewhat resembling *Manihot glaziovii* but not of that species. The plants become leafless in winter at Coconut Grove, Fla.

149678. AESCULUS HIPPOCASTANUM L. Aesculaceae.

Horsechestnut.

From Massachusetts. Seeds purchased from F. W. Schumacher, Jamaica Plain, Boston. Received October 19, 1944.

149679 to 149688.

From Australia. Seeds obtained through G. W. Burton, Experiment Station, Tifton, Ga. Received October 23, 1944.

149679. CHLORIS CARIBAEA Spreng. Poaceae.

Grass.

CPI. 6008.

149680. PASPALUM URVILLEI Steud. Poaceae.

Grass.

CPI. 1348.

149681. PASPALUM STRAMINEUM Nash.

CPI. 8185.

149682 and 149683. PHALARIS ARUNDINACEA L. Poaceae.

Grass.

149682. *CPI. 6764.*

149683. *CPI. 8073.*

149684. PHALARIS TRUNCATA Guss.

CPI. 3743.

149685 to 149688. PHALARIS TUBEROSA L.

149685. *CPI. 1147.*

149686. *CPI. 1305.*

149687. *CPI. 1350.*

149688. *Commercial seed.*

149689 to 149709. IPOMOEA BATATAS (L.) Lam. Convolvulaceae. Sweetpotato.

From Maryland. Roots obtained from the Division of Fruit and Vegetable Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received October 30, 1944.

- | | |
|--------------------------------------|----------------------------------|
| 149689. <i>Big Stem Jersey.</i> | 149700. <i>B-219.</i> |
| 149690. <i>Nancy Hall.</i> | 149701. <i>Big Stem Jersey.</i> |
| 149691. <i>Norton.</i> | 149702. <i>Nancy Hall.</i> |
| 149692. <i>Porto Rico.</i> | 149703. <i>Porto Rico.</i> |
| 149693. <i>Southern Queen.</i> | 149704. <i>Red Jersey.</i> |
| 149694. <i>Triumph (green stem).</i> | 149705. <i>Southern Queen.</i> |
| 149695. <i>Big Stem Jersey.</i> | 149706. <i>Triumph.</i> |
| 149696. <i>Maryland Golden.</i> | 149707. <i>Vineland Bush.</i> |
| 149697. <i>Nancy Hall.</i> | 149708. <i>Yellow Jersey.</i> |
| 149698. <i>Porto Rico.</i> | 149709. <i>Yellow Strasburg.</i> |
| 149699. <i>Triumph.</i> | |

149710 to 149712. SACCHARUM. Poaceae. Sugarcane.

From the British Indies. Cuttings presented by the Central Sugarcane Breeding Station, Department of Science and Agriculture, Barbados. Received October 31, 1944.

- 149710. *Barbados No. B-4098.*
- 149711. *B-37161.*
- 149712. *B-38155.*

149713 and 149714. ZEA MAYS L. Poaceae. Corn.

From Columbia. Seeds presented by H. V. Geib, Agricultural Adviser, American Embassy, Bogotá. Received October 31, 1944.

- 149713. Starchy, soft corn. From low country south of Popoyan.
- 149714. Hard corn. From a few miles south of Cartago, Valle.

149715. IPOMOEA CRASSICAULIS (Benth.) Rob. Convolvulaceae.

From Maryland. Cuttings obtained from the Division of Rubber Investigations, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received October 31, 1944.

Grown from seed sent in by J. T. Baldwin, Jr., from Corumbá, Mato Grosso, Brazil.

149716. GOSSYPIUM. Malvaceae. Cotton.

From the British West Indies. Seeds presented by the Cotton Research Station, Trinidad. Received October 31, 1944.

149717 to 149723. FRAGARIA. Rosaceae. Strawberry.

From New Jersey. Plants presented by J. H. Clark, Agricultural Experiment Station, New Brunswick. Received October 30, 1944.

- | | |
|--------------------------|----------------------------|
| 149717. <i>No. 380.</i> | 149721. <i>No. 1074.</i> |
| 149718. <i>No. 943.</i> | 149722. <i>Pathfinder.</i> |
| 149719. <i>No. 947.</i> | 149723. <i>Sparkle.</i> |
| 149720. <i>No. 1051.</i> | |

149724. MALUS. Malaceae.

From Maryland. Plant growing at the United States Plant Introduction Garden, Glenn Dale. Numbered November 3, 1944.

A crabapple of unknown origin. It bears late-maturing, bitter-sharp fruits, and is of interest because of the fruits developing generally with four carpels.

149725 to 149735. OLEA EUROPAEA L. Oleaceae. Olive.

From Argentina. Cuttings presented by Ruben Bence Pieres, Corporación Nacional de Olivicultura, Ministerio de Agricultura de La Nacion, Buenos Aires. Received November 6, 1944.

149725. <i>Arauco.</i>	149731. <i>Leccino.</i>
149726. <i>Arbequima.</i>	149732. <i>Piangente.</i>
149727. <i>Cerignola.</i>	149733. <i>Racemo.</i>
149728. <i>Cucci.</i>	149734. <i>Re de Mignoli.</i>
149729. <i>Della Madonna.</i>	149735. <i>San Agostino.</i>
149730. <i>Frantoio.</i>	

149736. BOUTELOUA GRACILIS (H.B.K.) Lag. Poaceae. Grass.

From North Dakota. Seeds purchased from the Newday Seeds Inc., Fargo. Received November 6, 1944.

Blue Grama.

149737 to 149740. LACTUCA SATIVA L. Cichoriaceae. Lettuce.

From Maryland. Seeds obtained from the Division of Fruit and Vegetable Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received November 6, 1944.

149737. <i>Great Lakes.</i>	149739. <i>Imperial No. 615.</i>
149738. <i>Imperial No. 44.</i>	149740. <i>Imperial No. 847.</i>

149741 to 149750. HUMULUS LUPULUS L. Moraceae. Common hop.

From Oregon. Cuttings presented by G. R. Hoerner, Agricultural Experiment Station, Corvallis. Received November 6, 1944.

149741. <i>Auscher Rete (Auschaer Rot).</i>
149742. <i>Belgian Fuggles.</i>
149743. <i>Burgunder (Bergunder).</i>
149744. <i>Cat's Tails.</i>
149745. <i>Early Green (Grünhopfen Dauba).</i>
149746. <i>Elasser (Elsässer).</i>
149747. <i>Shinsowasi.</i>
149748. <i>Skorespelka.</i>
149749. <i>Veetee.</i>
149750. <i>Zattskii.</i>

149751 to 149765. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From Maryland. Seeds obtained from the Division of Cereal Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received November 7, 1944.

149751. <i>Blackhull.</i>	149756. <i>Marquis.</i>
149752. <i>Chiefkan.</i>	149757. <i>Minturki.</i>
149753. <i>Fulhio.</i>	149758. <i>Pacific Bluestem.</i>
149754. <i>Fultz.</i>	149759. <i>Purdue No. 1.</i>
149755. <i>Java.</i>	149760. <i>Purkof.</i>

149751 to 149765—Continued

149761. *Red Russian.*149764. *Turkey.*149762. *Ridit.*149765. *White Winter.*149763. *Trumbull.*

149766. ZEA MAYS L. Poaceae.

Corn.

From Colombia. Seeds presented by the American Embassy, Bogotá. Received November 11, 1944.

Bolívar No. 14.

From Granja Turbaca, Bolívar. Result of 7 years' selection by Fernard Hauzeur.

149767. ROBINIA PSEUDO-ACACIA var. SEMPERFLORENS Carr.
Fabaceae.

From England. Cuttings presented by W. M. Campbell, Curator, Royal Botanic Gardens, Kew, Surrey. Received November 7, 1944.

149768. TRITICUM AESTIVUM L. Poaceae.

Common wheat.

From Italy. Seeds presented by R. Sprague, Division of Cereal Crops and Diseases, Mandan, N. Dak. Received October 24, 1944.

Collected by I. R. Adlard, United States Army, at Potina Morales.

149769 and 149770. CITRUS. Rutaceae.

From Texas. Budsticks presented by W. H. Friend, Substation No. 15, Weslaco. Received November 9, 1944.

149769. *Lu Gim Gong.*

149770. *Mexican Thornless Lime.*

149771 and 149772. HELIANTHUS ANNUUS L. Asteraceae.

Common sunflower.

From Maryland. Seeds obtained from the Division of Drug and Related Plants, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received November 3, 1944.

149771. *Greystripe.*

149772. *Manchurian.*

149773 to 149793.

From the Soviet Union. Seeds obtained through Hon. Henry A. Wallace, Vice President of the United States. Received October 31, 1944.

From the Yakutsk Seed Selection Station.

149773 to 149777. AVENA SATIVA L. Poaceae.

Oats.

149773. *Golden Rain.*

149774. *Kuto.*

149775. *Maganski 044.*

149776. *Maganski A 339.*

149777. Local fast-ripening variety.

149778. CORIANDRUM SATIVUM L. Apiaceae.

Coriander.

Kundsá.

149779 to 149784. HORDEUM VULGARE L. Poaceae.

Barley.

149779. *Kolkhikim.*

149780. Local *Niurbinski.*

149773 to 149793—Continued

149779 to 149784—Continued

149781. Local *Pokrovski*.149782. *Markhinstz (open seed)*.149783. *Pioneer*.149784. *No. 1163*.149785. *LEPIDIUM SATIVUM L.* Brassicaceae.

Garden cress.

Yantzat or *Untzatat*.149786. *MENTHA sp.* Menthaceae.*Kundarn*.149787. *OCIMUM BASILICUM L.* Menthaceae.

Sweet basil.

Regani.149788 and 149789. *SECALE CEREALE L.* Poaceae.

Rye.

149788. Spring-summer rye.

149789. Winter rye.

149790 to 149793. *TRITICUM AESTIVUM L.* Poaceae.

Common wheat.

149790. *Tieremok 042*.149792. *Yakutanka*.149791. *Victory*.149793. *Improved Quick-Ripener*.149794 to 149797. *DIOSPYROS KAKI L.f.* Diospyraceae.

Kaki persimmon.

From Georgia. Plants purchased from the Fruitland Nurseries, Augusta.
Received November 13, 1944.149794. *Fuyugaki*.149796. *Tane-Nashi*.149795. *Gailey*.149797. *Tsuru*.149798. *EUCOMMIA ULMOIDES* Oliver. Trochodendraceae.From New Jersey. Seeds presented by S. B. Carpender, New Brunswick.
Received November 20, 1944.

From a tree of R.I. 46061.

149799. *BOUTELOUA GRACILIS (H.B.K.) Lag.* Poaceae. Grass.

From Colorado. Seeds purchased from the Barteldes Seed Co., Denver. Received November 20, 1944.

Blue Grama.149800. *SPIRAEA BLUMEI* Don. Rosaceae.From China. Seeds obtained through the American Embassy, Chungking.
Received October 11, 1944.

From Lanchow, China.

149801 to 149804.From Florida. Plants growing at the United States Plant Introduction
Garden, Coconut Grove. Numbered November 13, 1944.149801. *MARSDENIA EDULIS S. Wats.* Asclepiadaceae.From Alamos, Sonora, Mexico, April 27, 1942. Woody vine; grows in
open sunshine.149802. *PASSIFLORA EDULIS* Sims. Passifloraceae.From Brazil. Collected at Recife by Walter Williamson, Coconut Grove,
Fla., and presented by Dr. David Fairchild, Coconut Grove. *Maracuja*.
The stems and leaf petioles of the young plants are dark red. The leaves

149801 to 149804—Continued

149802—Continued

are shining dark green, basal ones simple, up to 8 inches long and with serrate margins; the older leaves are smaller, 2- or 3-lobed, with margins also serrate.

149803. *RAPHIA TAEDIGERA* Mart. Phoenicaceae. **Palm.**

From Costa Rica. Collected at Port Limon by Dr. David Fairchild. *Yolillo*. A striking palm, native from Nicaragua to Brazil, with a trunk 6 to 8 feet high and a crown of pinnatisect leaves up to 50 feet or more long. The oblong scaly fruits, 2½ inches long and mahogany brown when ripe, are produced in immense clusters. The plants die after fruiting once. It appears to thrive best in very swampy locations near the seacoast and has been observed to withstand brackish water for short periods.

149804. *ROTHROCKIA CORDIFOLIA* A. Gray. Asclepiadaceae.

From Alamos, Sonora, Mexico, April 27, 1942. Woody vine with fragrant flowers and large fruits; from sunny places.

149805 to 149812.

From China. Seeds presented by Dr. F. L. Tai, Division of Plant Pathology, National Agricultural Research Bureau, Tsing Hua University, Kunming, Yunnan. Received November 14, 1944.

149805 to 149811. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**

149805. *Ngochen*.

149806. *Grassland*.

149807. *Tsing Hua No. 677*.

149808. *No. 716*.

149809. *T. H. 1932*.

149810. *T. H. 3929*.

149811. Very susceptible variety for smut propagation.

149812. *TRITICUM TURGIDUM* L. Poaceae.

T. H. 559.

149813 to 149836.

From Africa. Seeds collected by A. T. Semple, Office of Foreign Agricultural Relations, United States Department of Agriculture. Received October 11, 1944.

Unless otherwise mentioned, collections were made in Ethiopia.

149813. *BRACHIARIA BRIZANTHA* (Hochst.) Stapf. Poaceae. **Grass.**

Collected between Sorappa and Algheramariam, September 11, 1944.

For previous introduction see 142974.

149814 and 149815. *BRACHIARIA* sp.

149814. Collected at Ghedo, 100 miles west of Addis Ababa, July 23, 1944.

149815. Collected between Sorappa and Algheramariam, September 11, 1944.

149816. *CASSIA LAEVIGATA* Willd. Caesalpiniaceae.

From Ethiopia, September 11, 1944.

149817. *CHLORIS AMETHYSTINA* Hochst. Poaceae. **Grass.**

Collected between Assala and the Bufuru bridge.

149818. *CICER ARIETINUM* L. Fabaceae. **Chickpea.**

149813 to 149836—Continued

- 149819 and 149820. *CYNODON DACTYLON* (L.) Pers. Poaceae. Bermuda grass.
 149819. From an altitude of 9,000 feet.
 149820. Thirty miles south of Dessye, July 18, 1944.
149821. *CYNODON* sp. Grass.
 Collected between Adama and Astala in Awar River Valley, June 19, 1944.
149822. *CYNODON* sp.
 Collected at Ghedo, 100 miles west of Addis Ababa, July 23, 1944.
149823. *DIGITARIA ABYSSINICA* (Hochst.) Stapf. Poaceae. Grass.
 Collected at Ghedo, 100 miles west of Addis Ababa, July 23, 1944.
149824. *GLADIOLUS* sp. Iridaceae.
 Collected at Rhodes Inyana Estate, Southern Rhodesia, February 17, 1944.
149825. *GUIZOTIA ABYSSINICA* (L.f.) Cass. Asteraceae.
 Collected at Addis Ababa, July 1944.
149826. *HORDEUM VULGARE* L. Poaceae. Barley.
 Collected at Saboura, altitude 8,000 feet, between the Anasc and Uabi Rivers, June 18, 1944.
149827. *HYPARRHENIA* sp. Poaceae. Grass.
 Collected at Gazelle Pass, south of Dessye, July 18, 1944.
149828. *LENS CULINARIS* Medik. Fabaceae. Lentil.
 Collected at Wogultama, altitude 9,000 feet, 65 miles west of Dessye, July 4, 1944.
149829. *PANICUM* sp. Poaceae. Grass.
 Collected near Gazelle Pass, south of Dessye, July 18, 1944.
- 149830 to 149833. *SORGHUM VULGARE* Pers. Poaceae.
 149830. Collected at Bogot Magno, probably from along Ganale Donya, British Somaliland, September 6, 1944.
 149831. Collected at Neghelli, September 6, 1944.
 149832. Collected at Bogot Magno, British Somaliland, September 6, 1944.
 149833. Collected at Gazelle Pass, south of Dessye.
149834. *SPOROBOLUS CAPENSIS* (Willd.) Kunth. Poaceae. Grass.
 Collected between Sorappa and Algheramarian, July 18, 1944.
149835. *TEPHROSIA* sp. Fabaceae.
 Collected near Adamitullo, September 15, 1944.
149836. *VICIA FABA* L. Fabaceae.
 Collected at Wogultama, 65 miles west of Dessye, July 4, 1944.

149837 to 149841.

From Maryland. Seeds obtained from the Soil Conservation Service, United States Department of Agriculture, Beltsville. Received November 15, 1944.

149837. *LESPEDEZA BICOLOR* Turcz. Fabaceae. Shrub bushclover.
 149838. *LESPEDEZA HEDYSAROIDES* (Pallas) Ricker. Bushclover.
 149839. *MELILOTUS ALBA* Desf. Fabaceae. White sweetclover.

149837 to 149841—Continued

149840. PASPALUM NOTATUM Fluegge. Poaceae. Bahia grass.

149841. PUERARIA THUNBERGIANA (Sieb. & Zucc.) Benth. Fabaceae.

149842 to 149858.

From Maryland. Seeds obtained from the Division of Cereal Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received November 16, 1944.

149842. AVENA SATIVA L. Poaceae. Oats.
Iowar. Grown at Aberdeen, Idaho.

149843 to 149846. HORDEUM VULGARE L. Poaceae. Barley.

149843. *Manchuria*. C.I. 2330.

149844. *Regal*. C.I. 5030.

149845. *Silver King*. C.I. 890.

149846. *Wisconsin Barbless*. C.I. 5105.

149847 to 149858. TRITICUM AESTIVUM L. Poaceae. Common wheat.

149847. *Baart*. C.I. 1697.

149853. *Jenkin*. C.I. 5177.

149848. *Comet*. C.I. 11465.

149854. *Mosida*. C.I. 6688.

149849. *Federation*. C.I. 4734.

149855. *Progress*. C.I. 6902.

149850. *Golden*. C.I. 10063.

149856. *Ridit*. C.I. 6703.

149851. *Goldwin*. C.I. 4156.

149857. *Rival*. C.I. 11708.

149852. *Illinois 1*. C.I. 11933.

149858. *White Odessa*. C.I. 4655.

149859. BUCHLOE DACTYLOIDES (Nutt.) Engelm. Poaceae. Grass.

From Maryland. Seeds obtained from the Division of Forage Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received November 20, 1944.

F.C. 29734.

149860. CITRUS SINENSIS (L.) Osbeck. Rutaceae. Orange.

From Florida. Budsticks presented by F. E. Gardner, Subtropical Fruit Field Station, Orlando. Received December 5, 1944.

Summerfield Navel.

149861 and 149862. NICOTIANA RUSTICA L. Solanaceae.

Aztec tobacco.

From Maryland. Seeds obtained from the Division of Tobacco Investigations, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received November 27, 1944.

149861. *No. 68*.

149862. *No. 34753*.

149863 to 149887.

From Maryland. Seeds obtained from the Division of Cereal Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received November 16, 1944.

149863 to 149871. HORDEUM VULGARE L. Poaceae. Barley.

149863. *Atlas*. C.I. 4118.

149868. *Kwan*. C.I. 1016.

149864. *Beecher*. C.I. 6566.

149869. *Trebi*. C.I. 936.

149865. *Chevron*. C.I. 1111.

149870. Unnamed. C.I. 3902-1.

149866. *Dorsett*. C.I. 4821.

149871. *Wisconsin Barbless*.

149867. *Ezond*. C.I. 6265.

C.I. 5105.

149863 to 149887—Continued

- 149872 to 149887. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**
 149872. *Cadet (Merit × Thatcher)*. C.I. 12653. From Langdon, N. Dak.
 149873. *McMurachy*. C.I. 11876. From Bozeman, Mont.
 149874. *Marquis*. C.I. 3641. From Bozeman, Mont.
 149875. *Merit × Pilot N. 1792*. From North Dakota.
 149876. *Merit 3*. C.I. 12036. From Bozeman, Mont.
 149877. *Mida (C.DC × Cres-Hope-Kenna)*. C.I. 12008. From Montana.
 149878. *Newthatch*. C.I. 12318. From Bozeman, Mont.
 149879. *N. 1441 × N. 1508. N. 1703*. C.I. 12319. From North Dakota.
 149880. *Pilot*. CI 11945. From Langdon, N. Dak.
 149881. *Pilot × Mida N. 1750*. C.I. 12316. From North Dakota.
 149882. *Pilot N. 1315 N. 1829*. From Montana.
 149883. *Regent*. C.I. 12070. From Pendleton, Oreg.
 149884. *Renown*, C.I. 11947. From Montana.
 149885. *Rival*. C.I. 11708. From Langdon, N. Dak.
 149886. *Thatcher*. C.I. 10003. From Langdon, N. Dak.
 149887. *Vesba*. C.I. 11712. From Montana.

- 149888. TAMARIX APHYLLA (L.) Karst. Tamaricaceae. Athel.**
 From Arizona. Cuttings presented by C. J. King, United States Field Station, Sacaton. Received November 22, 1944.

149889 and 149890.

From Maryland. Seeds obtained from the Division of Forage Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received November 28, 1944.

149889. *CAJANUS CAJAN* (L.) Druce. Fabaceae. **Pigeon-pea.**
 Early White. Grown in Florida.
149890. *LESPEDEZA STIPULACEA* Maxim. Fabaceae. **Bushclover.**
- 149891 to 149894. ZEA MAYS** L. Poaceae. **Corn.**
 From Argentina. Seeds presented by S. Horovitz, Director, Instituto Fitotecnico de Santa Catalina, Llavollol. Received November 28, 1944.
149891. No. 43.03007. 149893. No. 46.6139.
 149892. No. 43.6036. 149894. No. 44.03004.

149895 and 149896. MATTHIOLA INCANA (L.) R. Br. Brassicaceae. Stock.

From Brazil. Seeds presented by F. Febeliano da Costa Filho, Campinas, São Paulo. Received November 7, 1944.

149895. *Goivo Cor de Rosa*.
 149896. *Goive Roso*.
- 149897. LICANIA ARBOREA** Seem. Amygdalaceae.

From Mexico. Seeds presented by Dario L. Arrieta M., Dirección General de Agricultura, San Jacinto. Received November 20, 1944.

Cacahuananche.

149898. TRITICUM AESTIVUM × SECALE CEREALE. Poaceae.

From the Soviet Union. Seeds presented by the Saratov Experimental Station, Saratov, through W. H. Youngman, Office of Foreign Agricultural Relations, Washington, D. C. Received November 8, 1944.

Winter rye-wheat hybrid.

149899 to 149901.

From Florida. Plants presented by the Royal Purple Citrus Nursery, Orlando. Received November 29, 1944.

149899. CITRUS. Rutaceae.

Storin's Hybrid Lemon.

149900. CITRUS.

Kenmansville Red Lime.

149901. CITRUS.

Merritt Scarlett Lime.

149902 to 149907.

From Argentina. Seeds presented by Prof. Arturo Burkart, Instituto de Botanico "Darwinion," San Isidro. Received November 30, 1944.

149902. ASTRAGALUS INFLATUS DC. Fabaceae.

No. 14.126. Mendoza, February 1942. Poisonous to stock.

149903. LATHYRUS MACROPUS Gill. Fabaceae.

No. 14.138. Mendoza, February 1942.

149904. PACHYRHIZUS AHIPA (Weddell) Parodi. Fabaceae.

Ajipa. No. 13.314. September 1943. Jujuy. The sweet, fleshy root is eaten raw or cooked.

149905. PROSOPIS ALBA Griseb. Fabaceae.

Algarrobo. November 1942. Salta. Xerophytic tree, good for timber; fruits of value as forage.

149906. PROSOPIS FEROX Griseb.

No. 2096. Humahuaca, Jujuy, May 1942. Xerophytic tree, good for timber; fruits of value as forage.

149907. PROSOPIS sp.

Algarrobo. No. 12.639-40. Famatina, La Rioja. February 1941.

149908 to 149923. GLYCINE MAX (L.) Merrill. Fabaceae.

Soybean.

From Maryland. Seeds obtained from the Division of Forage Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received November 30, 1944.

149908. *Bansei.* From Virginia.

149909. *Boone.* From Illinois.

149910. *Chief.* From Illinois.

149911. *Delsoy.* From Mississippi.

149912. *Dunfield.* From Illinois.

149913. *Gibson.* From Illinois.

149914. *Illini.* From Illinois.

149915. *Jogun.* From New Jersey.

149916. *Kanro.* From Maryland.

149917. *Lincoln.* From Illinois.

149918. *Macoupin.* From Illinois.

149919. *Mandarin.* From Illinois.

149920. *Patoka.* From Illinois.

149921. *Scioto.* From Illinois.

149922. *Seminole.* From South Carolina.

149923. *Tokyo.* From South Carolina.

149924. PACHYRHIZUS TUBEROSUS (Lam.) Spreng. Fabaceae.

From Bolivia. Seeds presented by Dr. Martin Cárdenas, Universidad de Cochabamba, Cochabamba. Received November 20, 1944.

149925 to 149944. GLYCINE MAX (L.) Merrill. Fabaceae.**Soybean.**

From Maryland. Seeds obtained from the Division of Forage Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received December 1, 1944.

- 149925. *Aoda*. Grown at Beltsville, Md.
- 149926. *Avoyelles*. Grown at Monetta, S. C.
- 149927. *Bansei*. Grown in Virginia.
- 149928. *Biloxi*. Grown at Monetta, S. C.
- 149929. *Burnette*. Grown at Monetta, S. C.
- 149930. *Charlee*. Grown at Monetta, S. C.
- 149931. *Cherokee*. Grown at Monetta, S. C.
- 149932. *Creole*. Grown at Monetta, S. C.
- 149933. *Delsoy*. Grown in Mississippi.
- 149934. *Georgian*. Grown at Monetta, S. C.
- 149935. *Hahto-4*. Grown at Beltsville, Md.
- 149936. *Higan-B*. Grown at Beltsville, Md.
- 149937. *Imperial*. Grown at Beltsville, Md.
- 149938. *Missoy*. Grown at Monetta, S. C.
- 149939. *Nanda*. Grown at Monetta, S. C.
- 149940. *Rokusun-5*. Grown at Beltsville, Md.
- 149941. *Seminole*. Grown at Monetta, S. C.
- 149942. *Tokyo*. Grown at Monetta, S. C.
- 149943. *White Biloxi*. Grown at Monetta, S. C.
- 149944. *Willomi*. Grown at Beltsville, Md.

149945 to 149949. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Florida. Seeds presented by W. A. Carver, Agricultural Experiment Station, Gainesville. Received December 1, 1944.

- 149945. *No. 88-4-1*. 149948. *249-40-B-3*.
- 149946. *230-118-2-2*. 149949. *284*.
- 149947. *231-5-1*.

149950. GOSSYPIUM PURPURASCENS Poir. Malvaceae. Cotton.

From Maryland. Seeds obtained from the Division of Cotton and Other Fiber Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received December 14, 1944.

Maria Galante. C.B. No. 531.

149951 to 149955. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Maryland. Seeds obtained from the Division of Cereal Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received December 4, 1944.

- 149951. *Kenya*. Grown at Bozeman, Mont., 1943.
- 149952. *Kubanka*. Grown at Bozeman, Mont., 1943.

149951 to 149955—Continued149953. *Marquis*. Grown at Bozeman, Mont., 1943.149954. *Pilot*. Grown at Langdon, N. Dak., 1942.149955. *Thatcher*. Grown at Langdon, N. Dak., 1942.**149956. LOLIUM TEMULENTUM L. Poaceae. Grass.**

From Africa. Seeds collected by A. T. Semple, Awash Valley, Ethiopia. Received November 7, 1944.

149957 to 149968. NICOTIANA TABACUM L. Solanaceae. Tobacco.

From Brazil. Seeds presented by F. Febeliano da Costa Filho, Director da Divisão de Experimentação e Pesquisas, Instituto Agronômico, Campinas, São Paulo. Received December 7, 1944.

149957. 1-N 5695.

149958. 21 N 5695.

149959. 35 N 5696.

149960. 57 N 5696.

149961. 58 N 5695.

149962. 315 F No. 3 *Virginia Gigante*.149963. *Virginia Gigante*. 315 F No. 15.

149964. V-1-1. 1.8-40.

149965. 1 F 6038.

149966. 26 N 5695.

149967. V-1-2 × 2 N 3157-15.

149968. 2 N 3157-15.

149969 to 149973.

From Australia. Seeds presented by F. H. Brunning, Pty., Ltd., Melbourne, Victoria. Received December 1, 1944.

149969 to 149972. LOLIUM PERENNE L. Poaceae. Ryegrass.149969. *Clune's Perennial* ryegrass.149970. *Colac Perennial* ryegrass.149971. *Kyneton Perennial* ryegrass.149972. *New Zealand Perennial* ryegrass.**149973. LOLIUM SUBULATUM Vis.***Wimmera Ryegrass*.**149974 to 149991.**

From Iran. Seeds collected by Dr. Walter Koelz, Tehran. Received December 2, 1944.

149974. AMYGDALUS PERSICA L. Amygdalaceae. Peach.

No. 8338. From Karaj, September 1, 1944. Fruit flattened, 2¼ inches across, heavily washed crimson, white-fleshed, and of good flavor.

149975 to 149978. CITRULLUS VULGARIS L. Cucurbitaceae. Watermelon.149975. *Hinduana*. No. 8339. From Karaj, September 3, 1944. Fruit globose, 7 inches in diameter, pale green; rind ¼ inch thick; flesh pink; flavor good. A volunteer in cornfields; tolerant of water.149976. *Hinduana*. No. 8440. From Karaj, September 17, 1944.149977. *Hinduana Khanumi*. No. 8451. From Tehran, October 1, 1944.149978. *Hinduana*. No. 8448. From Tehran, October 1, 1944.

149974 to 149991—Continued

- 149979 to 149981. CUCUMIS MELO L. Cucurbitaceae. Muskmelon.
 149979. *Kharbuza Kadkhuda Hussain*. No. 8449. From Tehran, October 1, 1944.
 149980. *Kharbuza Talibi*. No. 8450. From Tehran, October 1, 1944.
 149981. *Kharbuza Isfahani*. No. 8453. From Tehran, October 1, 1944.
149982. HORDEUM VULGARE L. Poaceae. Barley.
Jan Tursh. No. 8454. From Karaj, 1944. Matured in 90 days from March 1, 1944. Seed originally from Deh Bid, Fars.
149983. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.
Gojefaranji. No. 8441. From Karaj, September 20, 1944. Fruit up to 5 inches wide by 3½ inches high, and weighing up to 25 ounces; flesh red, very juicy with few seeds.
- 149984 to 149989. PHASEOLUS VULGARIS L. Fabaceae. Common bean.
 Seedlings from a shipment of beans sent to Dr. Koelz at Tehran in 1943 from this Division.
149984. *Lobia*. No. 8442. From Karaj, October 1, 1944. From P. I. 145944.
 149985. *Lobia*. No. 8443. From Karaj, October 1, 1944. From P. I. 125160.
 149986. *Lobia*. No. 8444. From Karaj, October 1, 1944. From P. I. 138941.
 149987. *Lobia*. No. 8445. From Karaj, October 1, 1944. From P. I. 117236.
 149988. *Lobia*. No. 8466. From Karaj, October 1, 1944. From P. I. 145945.
 149989. *Lobia*. No. 8447. From Karaj, October 1, 1944. From P. I. 117236.
149990. PISUM SATIVUM L. Fabaceae. Common pea.
 No. 8452. Nakhud Farangi, October 1, 1944.
149991. PRUNUS DOMESTICA L. Amygdalaceae. Plum.
 No. 8337. From Karaj, July 19, 1944. Fruit 2¼ inches by 1¾ inches; skin yellow, heavily washed red.

149992 to 150000.

- From Maryland. Seeds obtained from the Soil Conservation Service, United States Department of Agriculture, Beltsville. Received December 11, 1944.
149992. CENCHRUS BIFLORUS Roxb. Poaceae. Grass.
 149993. ECHINOCHLOA CRUSGALLI Beauv. Poaceae. Barnyard grass.
 149994. ERAGROSTIS CILIANENSIS (All.) Link. Poaceae. Grass.
 149995. ERAGROSTIS TEF (Zucc.) Trotter (*E. abyssinica* Schrad.). Teff.
 149996. PANICUM MAXIMUM Jacq. Poaceae. Guinea grass.
 149997. PANICUM TEXANUM Buckl. Grass.
 149998. SETARIA ITALICA (L.) Beauv. Poaceae. Foxtail millet.
 149999. SORGHUM VULGARE Pers. Poaceae.
 150000. SORGHUM VULGARE var. SUDANENSE Hitchc. Sudan grass.

150001 to 150090.

From Pennsylvania. Seeds purchased from Henry F. Michell Co., Philadelphia. Received December 12, 1944.

150001 to 150007. ANTIRRHINUM MAJUS L. Scrophulariaceae. Snapdragon.

- | | |
|--------------------------------|------------------------------------|
| 150001. <i>Campfire</i> . | 150005. <i>Orange and Copper</i> . |
| 150002. <i>Daffodil</i> . | 150006. <i>Shasta</i> . |
| 150003. <i>Indian Summer</i> . | 150007. <i>Swingtime</i> . |
| 150004. <i>Rosalie</i> . | |

150008 to 150010. CALENDULA OFFICINALIS L. Asteraceae.

150008. *Campfire*.
 150009. *Lemon King*.
 150010. *Michell's Sunbeams*.

150011 to 150016. CALLISTEPHUS CHINENSIS (L.) Nees. Asteraceae.

China-aster.

- | | |
|--------------------------------|----------------------------|
| 150011. <i>Azure Blue</i> . | 150014. <i>Purple</i> . |
| 150012. <i>Lavender</i> . | 150015. <i>Rose Pink</i> . |
| 150013. <i>Peach Blossom</i> . | 150016. <i>White</i> . |

150017 and 150018. CAMPANULA. Campanulaceae.

150017. *Double Pink*.
 150018. *Double White*.

150019. CELOSIA ARGENTEA L. Amaranthaceae. Feather cockscomb.
Flame of Fire.150020. CELOSIA CRISTATA L. Common cockscomb.
Royal Velvet.150021. COREOPSIS sp. Asteraceae.
Mayfield Giant.

150022 to 150024. DAHLIA. Asteraceae.

150022. *California Giants*, mixed.
 150023. *Coltness Hybrids*, single.
 150024. *Unwin's Dwarf Hybrids*, mixed.

150025 to 150033. DELPHINIUM. Ranunculaceae.

Larkspur.

150025. *Black Knight Series*.
 150026. *Blue Bird*.
 150027. *Summer Skies*.
 150028. *Blue Bell*. (Giant Imperial.)
 150029. *Blue Spire*. (Giant Imperial.)
 150030. *Carmine King*. (Giant Imperial.)
 150031. *Los Angeles*. (Giant Imperial.)
 150032. *Sweet Lavender*. (Giant Imperial.)
 150033. *White King*. (Giant Imperial.)

150034 to 150037. DIANTHUS BARBATUS L. Silenaceae. Sweet-william.

150034. *Auricula Flowered*, single, mixed.
 150035. Double, mixed.
 150036. Single, mixed.
 150037. *Holborn Glory*, double, mixed.

150001 to 150090—Continued

150038. DIANTHUS CHINENSIS L.

150039. DIANTHUS.

Pink Beauty.

150040. DIANTHUS.

Double, mixed.

150041. DIGITALIS PURPUREA L. Scrophulariaceae. Common foxglove.

Giant Shirley.

150042 to 150052. LATHYRUS ODORATUS L. Fabaceae. Sweet pea.

150042. *Bridesmaid.*

150048. *Michell's Top Sergeant.*

150043. *Delicious.*

150049. *Navy Blue.*

150044. *Eleanor Blue.*

150050. *Shirley Temple.*

150045. *Fragrance.*

150051. *Treasure Island.*

150046. *Hope.*

150052. *Valencia.*

150047. *Michell's Gorgeous.*

150053. LUPINUS HARTWEGII Lindl. Fabaceae.

New Hartwegii Giant. An annual 2 to 3 feet high, with 7 to 9 oblong, obtuse, pilose leaflets, and dense, elongate racemes of blue flowers. Native to Mexico.

150054 to 150060. MATTHIOLA INCANA (L.) R. Br. Brassicaceae. Stock.

150054. *Apple Blossom, Early Giant Imperial.*

150055. *Chamois, Early Giant Imperial.*

150056. *Improved Bismarck (Antique Copper), Early Giant Imperial.*

150057. *Lavender, Early Giant Imperial.*

150058. *White, Early Giant Imperial.*

150059. *Dark Blue, Super-Giant Imperial.*

150060. *Roselight, Super-Giant Imperial.*

150061. PAPAVER RHOEAS L. Papaveraceae.

Poppy.

Improved Shirley Poppy.

150062 and 150063. PHLOX DRUMMONDII Hook. Polemoniaceae.

150062. *Salmon Glory.*

150063. Mixed.

150064 to 150070. TAGETES sp. Asteraceae.

Marigold.

150064. *Chrysanthemum Flowered.*

150065. *Golden Emblem.*

150066. *Guinea Gold.*

150067. *Harmony.*

150068. *Melody. (Dwarf double French.)*

150069. *Mission Giants, Yellowstone.*

150070. *Yellow Supreme. (African.)*

150071. ZINNIA sp. Asteraceae.

Autumn Tints.

150001 to 150090—Continued

- | | |
|---|--|
| 150072. ZINNIA sp.
<i>Crimson Gem.</i> | 150082. ZINNIA sp.
<i>Golden Dawn.</i> |
| 150073. ZINNIA sp.
<i>Golden Gem.</i> | 150083. ZINNIA sp.
<i>Golden State.</i> |
| 150074. ZINNIA sp.
<i>Rosebud.</i> | 150084. ZINNIA sp.
<i>Luminosa.</i> |
| 150075. ZINNIA sp.
<i>Salmon Rose.</i> | 150085. ZINNIA sp.
<i>Old Rose.</i> |
| 150076. ZINNIA sp.
<i>Valencia Lilliput.</i> | 150086. ZINNIA sp.
<i>Oriole.</i> |
| 150077. ZINNIA sp.
<i>White Gem.</i> | 150087. ZINNIA sp.
<i>Polar Bear.</i> |
| 150078. ZINNIA sp.
<i>Buttercup.</i> | 150088. ZINNIA sp.
<i>Purple Prince.</i> |
| 150079. ZINNIA sp.
<i>Crimson Giant.</i> | 150089. ZINNIA sp.
<i>Scarlet Flame.</i> |
| 150080. ZINNIA sp.
<i>Dream.</i> | 150090. ZINNIA sp.
<i>Fantasy or Chrysanthemum</i>
(choice mixed). |
| 150081. ZINNIA sp.
<i>Exquisite.</i> | |

150091 to 150093.

From Mexico. Seeds presented by George Proctor Cooper, III. Received December 13, 1944.

150091. CNIDOSCOLUS ELASTICUS Lundell. Euphorbiaceae.

Collected in October 1944, at Corral de Piedra, Durango. A hardy deciduous tree, up to 35 feet in height, growing at altitudes of 4,000 to 4,500 feet in shaded ravines. This is the highland *chilte*, or *chilte rojo*. Native to Sinaloa and Durango.

150092. CNIDOSCOLUS TEPIQUENSIS (Cost. & Gall.) McVaugh.

Collected at Compostela, Nayarit, about October 1, 1944. *Chilte Blanco*. A tree that grows at an altitude of 1,200 feet and becomes very tall, up to 90 feet. It is native to damp coastal ravines in southwestern Mexico.

150093. CNIDOSCOLUS sp.

Collected in October 1944, at Platanarillo, Colima. A large tree, found in shaded ravines at high altitudes in Jalisco and Colima.

150094. PASSIFLORA LIGULARIS Juss. Passifloraceae.

Sweet granadilla.

From Central America. Seeds presented by S. W. Curl, San Jose, Costa Rica. Received December 9, 1944.

For previous introduction see 143703.

150095 to 150097. RICINUS COMMUNIS L. Euphorbiaceae.

Castor-bean.

From Maryland. Seeds obtained from the Division of Drug and Related Plants, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received December 15, 1944.

Grown at Beltsville.

150095. *Conner.*

150096. *Doughty 11.*

150097. *Kentucky 38.*

150098. POLYTRIAS PRAEMORSA (Nees) Hack. Poaceae. Grass.
From Panama. Stolons presented by C. F. MacMurray, Panama. Received December 15, 1944.

Javagrass. From the fairways of the Panama Golf Club.

150099 and 150100. INDIGOFERA sp. Fabaceae.

From New Guinea. Seeds presented by J. L. Weimer, Agricultural Experiment Station, Experiment, Ga. Received December 1, 1944.
Collected by a soldier.

150099. White-flowered; growth very luxuriant.

150100. Purple flowers; grows about 6 feet high; very luxuriant.

150101 to 150110.

From California. Cuttings presented by Elmer Snyder, Horticultural Station, Bureau of Plant Industry, Soils, and Agricultural Engineering, Fresno. Received December 18, 1944.

150101. VITIS CHAMPINI Planch. Vitaceae. Grape.
DeGrassett.

150102 to 150108. VITIS VINIFERA L. European grape.

150102. *Diamond Jubilee.*

150106. *Peack of Csaba.*

150103. *Golden Chasselas.*

150107. *Red Muscat.*

150104. *Golden Muscat.*

150108. *Salt Creek.*

150105. *Italia Elqui.*

150109 and 150110. VITIS. Grape.

150109. *Solonis* × *Riparia* No. 1616.

150110. *Vitis berlandieri* × *Riparia* No. 420-a.

150111. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From Africa. Seeds presented by Clarkson J. Beall, North African Joint Economic Mission, Tunis. Received December 19, 1944.

Florence Aurore.

150112 to 150114.

From Maryland. Seeds obtained from the Soil Conservation Service, United States Department of Agriculture, Beltsville. Received December 19, 1944.

150112. CORONILLA VARIA L. Fabaceae.

Grown at Beltsville, Md.

150113. INDIGOFERA ENDECAPHYLLA Jacq. Fabaceae.

From Hawaii.

150114. INDIGOFERA HIRSUTA L.

Grown in Florida.

150115. PONCIRUS TRIFOLIATA × CITRUS SINENSIS. Rutaceae.

From Florida. Seeds collected by W. T. Swingle, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received December 12, 1944.

Collected at County Farm, near Orlando.

Morton Citrange.

150116 and 150117.

From Maryland. Seeds obtained through the Division of Fruit and Vegetable Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received December 22, 1944.

150116. CARYA GLABRA (Mill.) Sweet. Juglandaceae.

150117. CARYA OVATA (Mill.) K. Koch.

150118 to 150120. NICOTIANA TABACUM L. Solanaceae. Tobacco.

From Maryland. Seeds obtained from the Division of Tobacco Investigations, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville. Received December 23, 1944.

150118. *Connecticut Broadleaf*. From Beltsville, Md.

150119. *Gold Dollar*. From Florence, S. C.

150120. *White Burley*. From Greenville, Tenn.

150121 to 150180.

From Australia. Seeds collected by William Hartley, Chief of the Division of Plant Industry, Canberra City. Received December 9, 1944.

150121 and 150122. AGROPYRON DESERTORUM (Fisch.) Schult. Poaceae. Grass.

A perennial grass native to sandy, half-desert places in Turkistan.

150121. *CPI 1775*. 1943.

150122. *CPI 7659*. 1942.

For previous introduction see 116250.

150123. AGROPYRON ELONGATUM (Host.) Beauv.

A drought-resistant, cespitose perennial grass. Native to central Europe.

CPI 6020. 1943.

For previous introduction see 146924.

150124. AGROPYRON INTERMEDIUM (Host.) Beauv.

A perennial grass growing in clumps up to 4 feet high on dry slopes in central and eastern Europe.

CPI 8061. 1942.

For previous introduction see 146667.

150125 and 150126. AGROPYRON OBTUSIUSCULUM Lange.

A perennial grass with ascending culms up to 2 feet long. Native to sandy places in northern Europe.

150125. *CPI 6039*.

150126. *CPI 7761*. 1943.

150127. AGROPYRON SEMICOSTATUM (Steud.) Nees.

A perennial, fibrous-rooted grass, with erect stems and narrowly linear leaves. Native to Afghanistan.

CPI 8063. 1942.

150128 and 150129. AGROPYRON SIBIRICUM (Willd.) Beauv.

An upright cespitose perennial grass, up to 16 inches high, with linear leaves. It is very drought-resistant and is native from southern Europe to Manchuria.

For previous introduction see 116251.

150130. AGROPYRON TRICHOPHORUM (Link) Richt.

A perennial grass, up to 3 feet high, native to dry, rocky slopes in central Europe.

CPI 8064.

For previous introduction see 107011.

150131. ARRHENATHERUM ERIANTHUM Boiss. & Reut. Poaceae. Grass.

A tall perennial grass, native to Spain, with flat leaf blades and dense erect panicles.

CPI 2283. 1943.

For previous introduction see 117321.

150121 to 150180—Continued

150132 to 150135. *ASTREBLA ELYMOIDES* Baill. & Muell. Poaceae. Grass.

A perennial, drought-resistant grass, native to Australia.

150132. *Acc. No. 57.* From Lawes, Queensland, March, 1942.

150133. *Acc. No. 61.* From Gilruth Plains, Queensland, March, 1942.

150134. *Acc. No. 85.* From Cunnamulla, Queensland, March, 1942.

150135. *Acc. No. 113.* From Blackall, Queensland, March, 1942.

For previous introduction see 134838.

150136 to 150138. *ASTREBLA PECTINATA* F. Muell.

An Australian grass highly valued for its drought-enduring qualities and its value as forage.

150136. *Acc. No. 56.* From Lawes, Queensland, March, 1942.

150137. *Acc. No. 59.* From Gilruth Plains, Queensland, March, 1942.

150138. *Acc. No. 86.* From Cunnamulla, Queensland, March, 1942.

150139. *ATRIPLEX LEPTOCARPA* F. Muell. Chenopodiaceae.

From near Trangie, New South Wales, January 1943. A much-branched trailing perennial native to Australia, with a glaucous bloom that covers the whole plant. The leaves are mostly oblong and 1 to 2 inches long.

For previous introduction see 126473.

150140. *ATRIPLEX MUELLERI* Benth.

Acc. No. 50. Gilruth Plains, Queensland, March 1942. A mealy-white spreading annual with broadly ovate, coarsely sinuate-toothed leaves 1 to 2 inches long, and small inconspicuous flowers in little globular axillary heads. It is native to Australia.

150141. *ATRIPLEX PROSTRATA* R. Br.

From Sutherlands, South Australia, 1940. A prostrate annual with slender leafy stems up to 6 inches long. Native to South Australia.

150142. *ATRIPLEX* sp.

From near Trangie, New South Wales, February 1943.

150143 and 150144. *BROMUS COLORATUS* Steud. Poaceae. Grass.

A grass 1 to 2 feet high, with linear leaves and long slender panicles. Native to southern South America.

150143. *CPI 6005.* 1942.

150144. *CPI 6066.* 1942.

For previous introduction see 75528.

150145. *CHLORIS ACICULARIS* Lindl. Poaceae. Grass.

Acc. No. 139, March 1942. An erect grass, 1 to 2 feet high, with numerous spikes 3 to 4 inches long. Native to Australia.

For previous introduction see 17191.

150146. *CHLORIS CARIBAEA* Spreng.

CPI 6088. 1942. An annual, erect, leafy grass, native to the West Indies, with linear, flat leaves about a foot long.

For previous introduction see 74513.

150147. *EHRHARTA CALYCINA* J. E. Smith. Poaceae. Grass.

CPI 7763. 1943. A heavy-yielding, drought-resistant, nutritious grass that grows to a height of more than 4 feet and seeds profusely. Native to South Africa.

For previous introduction see 137698.

150121 to 150180—Continued

150148. *ELYMUS MULTICAULIS* Kar. & Kir. Poaceae. Grass.

CPI 6510. 1943.

150149. *ELYMUS* sp.

CPI 6511.

150150. *ELYMUS ANGUSTUS* Trin.

CPI 7730. 1943. An erect perennial grass about 2 feet high, with flat rigid leaves. Native to Turkistan.

For previous introduction see 108479.

150151. *EREMOPHILA* sp. Myoporaceae.

Acc. No. 54. Gilruth Plains, Queensland, March 1942.

150152. *EREMOPHILA MITCHELLI* Benth.

Acc. No. 204. Gilruth Plains, Queensland, January 1944. A tall shrub 10 to 30 feet high, with linear-lanceolate leaves 1 to 2 inches long, and small, solitary, white or purplish flowers. Native to Australia.

For previous introduction see 10499.

150153 and 150154. *EREMOPHILA STURTTII* R. Br.

An erect, bushy, strong-scented shrub several feet high, with linear leaves, usually with a hooked tip, and solitary, small purplish flowers. Native to Australia.

150153. *Acc. No. 203*. Near Bourke, New South Wales, January 1944.

150154. *Acc. No. 205*. Near Bourke, New South Wales, January 1944.

150155 and 150156. *FESTUCA ELATIOR* var. *ARUNDINACEA* (Schreb.) Wimm. Poaceae. Grass.

150155. *CPI 5760*. 1942.

150156. *CPI 6823*. 1942.

For previous introduction see 146407.

150157 and 150158. *FESTUCA ELATIOR* L. Meadow fescue.

150157. *CPI 5712*. 1942.

150158. *CPI 7676*. 1942.

For previous introduction see 148942.

150159. *FESTUCA MAIREI* St. Yves. Grass.

CPI 1499. 1943.

For previous introduction see 110798.

150160. *GLYCINE JAVANICA* L. Fabaceae.

CPI 6043. 1943. A wide-climbing perennial vine, native to Asia and Africa, where it is used as a cover crop. The slender stems are silky pubescent, the trifoliate leaves have ovate leaflets 2 to 4 inches long, finely pubescent beneath, and the small bright-red flowers are in axillary racemes 3 to 6 inches long.

For previous introduction see 145105.

150161. *HORDEUM STENOSTACHYS* Godr. Poaceae. Grass.

CPI 6011. 1942.

150162. *LOLIUM REMOTUM* Schrank. Poaceae. Grass.

CPI 8072. 1943. An annual grass, native to Europe, with stems over 2 feet high.

For previous introduction see 131936.

150121 to 150180—Continued

- 150163 and 150164. *LOLIUM PERENNE* L. Perennial ryegrass.
 150163. *CPI 7244*. 1943.
 150164. *CPI 7245*. 1943.
150165. *LUPINUS ANGUSTIFOLIUS* L. Fabaceae. Lupine.
CPI 8257. 1943.
 For previous introduction see 145053.
150166. *ONOBRYCHIS OXYTROPIOIDES* Boiss. Fabaceae.
CPI 6159. 1942.
 For previous introduction see 142026.
150167. *ONOBRYCHIS TRANSCAUCASICA* Grossh.
CPI 6160. 1942.
 For previous introduction see 108669.
150168. *PANICUM DECOMPOSITUM* R. Br. Poaceae. Grass.
 Acc. No. 210. Gilruth Plains, Queensland, April 1944. A spreading glabrous grass 2 to 3 feet high, common in Queensland.
 For previous introduction see 50342.
150169. *PHALARIS TRUNCATA* Guss. Poaceae. Grass.
CPI 3743. 1943. A perennial grass about 2 feet high, found in the Mediterranean region. The flowers are borne in dense spikes, resembling timothy.
 For previous introduction see 88728.
- 150170 and 150171. *PHALARIS TUBEROSA* L.
 A forage grass.
 150170. *CPI 1147*. 1943.
 150171. *CPI 1305*. 1942.
 For previous introduction see 139985.
- 150172 to 150174. *PHASEOLUS CALCARATUS* Roxb. Fabaceae.
 150172. *CPI 2778*. 1943.
 150173. *CPI 2779*. 1943.
 150174. *CPI 5783*. 1943.
- 150175 and 150176. *GLYCINE MAX* (L.) Merrill. Fabaceae. Soybean.
 150175. *CPI 8234*. 1943.
 150176. *CPI 8236*. 1943.
150177. *TRICHINIUM* sp. Amaranthaceae.
 Acc. No. 93. Gilruth Plains, Queensland, March 1942.
150178. *TRICHINIUM* sp.
 Acc. No. 94. Gilruth Plains, Queensland, March 1942.
150179. *TRICHINIUM* sp.
 Acc. No. 73. Gilruth Plains, Queensland, March 1942.
150180. *TRIGONELLA SUAVISSIMA* Lindl. Fabaceae.
 From De Fray Station, West Australia, 1941. This cloverlike plant, called "Darling clover" in Australia, where it is native, has fragrant stems and foliage and in favorable locations is perennial, becoming 3 feet or more in height.
 For previous introduction see 141528.

150181. ACHRAS SAPOTA L. Sapotaceae. Sapodilla.

From Florida. Seeds presented by Dr. David Fairchild, Coconut Grove. Numbered December 26, 1944.

Original seeds received from Dr. H. Pittier, Caracas, Venezuela, April 1929.

150182 to 150184. CARYA ILLINOENSIS (Wangenh.) K. Koch. Juglandaceae. Pecan.

From Louisiana. Seeds presented by F. N. Dodge, United States Pecan Field Station, Shreveport. Received December 26, 1944.

150182. *Desirable*.

150183. *Schley*.

150184. *Stuart*.

150185. PAMBURUS MISSIONIS (Wright) Swingle. Rutaceae.

From Florida. Seeds collected at Coconut Grove, by W. T. Swingle. Received December 28, 1944.

150186. CORCHORUS CAPSULARIS L. Tiliaceae. Jute.

From Brazil. Seeds presented by the American Embassy, Rio de Janeiro. Received December 26, 1944.

Brazilian Jute.

150187 to 150191.

From Florida. Plants growing at the United States Plant Introduction Garden, Coconut Grove. Numbered in December 1944.

Seedlings of P. I. 129598, hitherto carried under P. I. 145884 (*Bambusa* sp.) are now given separate P. I. numbers.

150187. *BAMBUSA* sp. Poaceae. **Bamboo.**

150188. *BAMBUSA* sp.

150189. *BAMBUSA* sp.

150190. *BAMBUSA* sp.

150191. *BAMBUSA* sp.

150192. POLYGALA COWELLII (Britton) Blake. Polygalaceae.

From Florida. Plants growing at the United States Plant Introduction Garden, Coconut Grove. Numbered in December 1944.

Introduced from Puerto Rico by T. B. McClelland in 1941.

150193 to 150198.

From Venezuela. Seeds presented by the Ministerio de Agricultura y Cria, Dirección de Tierras, Bosques y Aguas, Caracas. Received December 22, 1944.

150193. *CASSIA LAETA* H.B.K. Caesalpiniaceae.

Parampampam.

150194. *CORDIA ALLIODORA* (Ruiz & Pav.) DC. Boraginaceae.

Pardillo.

A large tree that becomes 8 or 9 feet in diameter and is conspicuous in the landscape with its gay white flowers, which exhale a faint perfume.

For previous introduction see 97842.

150195. *LONCHOCARPUS MARGARITENSIS* Pittier. Fabaceae.

Majomo.

150196. *ROYSTONEA OLERACEA* (Jacq.) O. F. Cook. Phoenicaceae.

Royal palm.

Chaguaramo.

The royal palm of South America, also called the cabbage palm. It has pinnate leaves 10 to 14 feet long, grows to a height of 130 feet with a

150193 to 150198—Continued**150196—Continued**

diameter of 2½ feet, and is a far statelier palm than *Roystonea regia*, which is usually grown in Florida.

For previous introduction see 133030.

150197. RUPRECHTIA sp. Polygonaceae.

Cabriton.

150198. TABEBUIA PENTAPHYLLA (L.) Hemsl. Bignoniaceae.

Apamate. A handsome, tropical, deciduous tree about 35 feet high, native to Central America. During its flowering period, from January to March, the numerous large clusters of pink flowers make this tree very attractive.

For previous introduction see 97788.

150199 to 150208.

From Chile. Seeds presented by the Universidad de Concepción, Concepción. Received December 20, 1944.

150199. ACAENA OVALIFOLIA Ruiz & Pav. Rosaceae.

A trailing perennial with pinnate leaves; flowers small, in globose heads, followed by purplish-red spiny fruits. Native to Chile.

For previous introduction see 144742.

150200. AEXTOXICON PUNCTATUM Ruiz & Pav. Euphorbiaceae.

A tree with leathery, dark-green leaves; flowers small, white, in short racemes. Native to Chile.

For previous introduction see 144343.

150201. ASTERISCIUM CHILENSE Cham. & Schlecht. Apiaceae.

An herb whose seeds are reported to be of value as a febrifuge.

For previous introduction see 144376.

150202. ESCALLONIA LEUCANTHA Remy. Escalloniaceae.

A large leafy shrub with dense racemes of small white flowers. Native to Chile.

150203. GRISELINIA SCANDENS (Ruiz & Pav.) Taub. Cornaceae.

An evergreen shrub, allied to aucuba, with large, glossy leaves and inconspicuous flowers. Native to Chile.

150204. HERRERIA STELLATA Ruiz & Pav. Liliaceae.

A woody climber with a tuberous rootstock, whorls of linear leaves, and small, fragrant, greenish flowers in racemes. Native to Chile.

150205. LITHRAEA CAUSTICA (Molina) Hook. & Arn. Anacardiaceae.

An evergreen shrub with thick leathery leaves and small white flowers in panicles; fruits small, white.

For previous introduction see 144250.

150206. EUGENIA LUMA (Molina) Berg. Myrtaceae.

A small handsome evergreen tree with small, edible, black, sweet-sour fruits, popular in Chile.

For previous introduction see 53591.

150207. PERNETTIA FURENS Klotzsch. Ericaceae.

A bushy shrub with leathery, ovate leaves, reddish, bristly beneath, and small white flowers in axillary racemes, followed by small, black, rather dry fruits. Native to Chile.

For previous introduction see 78362.

150208. PROUSTIA PYRIFOLIA Lag. Asteraceae.

A woody climber; the flower heads are white with a rose-colored pappus. Native to Chile.

INDEX OF COMMON AND SCIENTIFIC NAMES

- Abacá. See *Musa textilis*.
Abelmoschus esculentus, 147637, 148567, 148616.
Abrus precatorius, 147886.
Abutilon sp., 149151.
Acacia nilotica, 149015.
 visco, 149405.
Acaena ovalifolia, 150199.
Achras sapota, 150181.
Actinotus sp., 149002.
Aeschynomene paniculata, 148973.
Aesculus hippocastanum, 149678.
Aextoxicon punctatum, 150200.
Ageratum houstonianum, 148519, 148685.
Agropyron cristatum, 147845-147847, 148392, 149390.
 desertorum, 150121, 150122.
 elongatum, 150123.
 intermedium, 150124.
 obtusiusculum, 150125, 150126.
 pauciflorum, 149391.
 semicostatatum, 150127.
 sibiricum, 150128, 150129.
 smithii, 149392,
 trachycaulum, 148155.
 trichophorum, 150130.
 spp., 147798, 147848, 147849, 147850.
Agrostis alba, 148156.
 palustris, 149517, 149518.
 tenuis, 148157.
Albizzia retusa, 147950.
 zygia, 149010.
Alectryon subcinereum, 147703.
Aleurites fordii, 148349.
 Alfalfa. See *Medicago sativa*.
Allium fistulosum, 149160.
 sativum, 148154.
Alopecurus pratensis, 148158.
Althaea officinalis, 149615.
 rosea, 148520.
 Alyceclover. See *Alysicarpus vaginalis*.
Alysicarpus bupleurifolius, 149337.
 vaginalis, 148960, 149338, 149524.
Alyssum maritimum, 148521, 148749.
Amaranthus asplundii, 149246-149248.
 quitensis, 149249-149253, 149674.
 tricolor, 148522.
 sp., 148750.
Amaryllis sp., 147641.
Amygdalus persica, 147715-147717, 148035-148037, 148197-148202, 148262-148268, 148395, 148617-148621, 149312, 149313, 149314, 149397, 149974.
 persica var. *nectarina*, 148622-148624.
Andropogon ischaemum, 147799.
 sp., 147800.
Anethum graveolens, 149598.
- Anise. See *Pimpinella anisum*.
Annona cherimola, 148859, 149034.
 cherimola × *squamosa*, 149036, 149037.
 squamosa, 149035.
 sp., 147945.
Antirrhinum majus, 148686-148688, 149066-149070, 150001-150007.
Apium graveolens, 148568.
 Apple. See *Malus* spp.
 Apricot. See *Prunus armeniaca*.
Arachis hypogaea, 147797, 148350-148353, 148460, 148461, 148917-148938, 149260-149272, 149633-149646, 149945-149949.
Araucaria angustifolia, 148998, 149406.
 araucana, 149008.
 bidwillii, 148144.
Arctium lappa, 148718.
Arctotis stoechadifolia, 148523.
Areca sp., 149317.
Aristolochia spp., 147687, 148947, 149016, 149468.
Arrhenatherum elatius, 148159.
 erianthum, 150131.
Arundinaria simoni, 148026.
Asclepias syriaca, 148221.
 sp., 147688.
Aspidosperma quebracho-blanco, 149407.
Asplenium spp., 149473, 149476.
 Aster, China. See *Callistephus chinensis*.
Asteriscium chilense, 150201.
Astragalus inflatus, 149902.
 sinicus, 147851.
 spp., 147801, 147802, 148311, 148312, 148313.
Astrebla elymoides, 150132-150135.
 pectinata, 150136-150138.
Atalantia glauca. See *Eremocitrus glauca*.
 Atemoya. See *Annona cherimola* × *squamosa*.
 Athel. See *Tamarix aphylla*.
Atriplex leptocarpa, 150139.
 muelleri, 150140.
 prostrata, 150141.
 sp., 150142.
Atropa belladonna, 149599, 149616.
Avena sativa, 148354-148357, 148363-148369, 148378-148386, 148722-148726, 148766-148774, 148786-148797, 148978-148982, 149014, 149273-149277, 149773-149777, 149842.
 Avocado. See *Persea americana*.

- Bamboo. See *Arundinaria simoni*,
Bambusa spp., *Phyllostachys bambusoides*.
Castillo. See *Phyllostachys bambusoides* var. *castilloni*.
Bambusa spp., 150187-150191.
Banisteria caapi, 148948.
Barley. See *Hordeum vulgare*.
Basil, sweet. See *Ocimum basilicum*.
Bauhinia spp., 147887, 149017, 149018.
Bean. See *Phaseolus* spp.
common. See *P. vulgaris*.
lima. See *P. lunatus*.
mung. See *P. aureus*.
tonka. See *Dipteryx odorata*.
Beet. See *Beta vulgaris*.
Belladonna. See *Atropa belladonna*.
Beta vulgaris, 148569-148571, 148625.
vulgaris var. *cicla*, 148572.
Betula lenta, 147787.
Bhutan cypress. See *Cupressus torulosa*.
Birdsfoot trefoil. See *Lotus corniculatus*.
Bolusanthus sp., 149019.
Bombax sp., 149479.
Bougainvillea spectabilis, 148517.
sp., 149221.
Bouteloua eriopoda, 148737.
gracilis, 149393, 149736, 149799.
Brachiaria brizantha, 149813.
sp., 149814, 149815.
Brassica campestris var. *sarson*, 149339.
napus var. *dichotoma*, 149341.
oleracea var. *capitata*, 148573, 148574.
oleracea var. *caulorapa*, 148575.
oleracea var. *viridis*, 148410, 148576, 148577.
pekinensis, 148578.
sp., 149340.
Brillantaisia lamium, 148273.
Bromegrass, smooth. See *Bromus inermis*.
Bromelia sp., 148970.
Bromus coloratus, 150143, 150144.
inermis, 148160, 148161, 149394, 149395.
Browallia speciosa, 148524.
Buchloe dactyloides, 149350, 149522, 149859.
Buckwheat. See *Fagopyrum esculentum*.
Buddleia sp., 149029.
Bunya-bunya. See *Araucaria bidwillii*.
Bushclover. See *Lepedeza* spp.
shrub. See *L. bicolor*.
Cabbage. See *Brassica oleracea* var. *capitata*.
Cacara erosa. See *Pachyrhizus erosus*.
Caesalpinia melanocarpa, 149408.
sp., 147946.
Cajanus cajan, 148563, 149889.
Calendula officinalis, 148525, 149071, 150008-150010.
sp., 148751.
California poppy. See *Eschscholtzia californica*.
Callistephus chinensis, 148526-148530, 148689, 150011-150016.
Campanula, 150017, 150018.
medium, 149072, 149073.
Canterbury bells. See *Campanula medium*.
Capsicum frutescens, 147638, 148626-148635, 149161, 149398, 149409.
Carapa sp., 148986.
Caraway. See *Carum carvi*.
Carica papaya, 147940-147944, 148983.
Carnation. See *Dianthus caryophyllus*.
Carpodiptera ameliae, 149254.
Carrot. See *Daucus carota*.
Carthamus tinctorius, 149055-149063.
Carum carvi, 149600.
Carya glabra, 150116.
illinoensis, 147790, 150182-150184.
ovata, 150117.
Caryocar sp., 149009.
Caryota spp., 149318, 149319.
Cassia absus, 149020.
laeta, 150193.
laevigata, 149816.
renigera, 149315.
tora, 149525.
Castor-bean. See *Ricinus communis*.
Casuarina spp., 147888, 149469.
Ceanothus americanus, 147791.
Cedrus brevifolia, 149336.
Ceiba acuminata, 147710.
pentandra, 149548, 149549.
sp., 148727.
Celosia argentea, 148531, 148752, 150019.
cristata, 148690, 150020.
Cenchrus biflorus, 149992.
Centaurea cyanus, 149074.
Cephalocereus polylophus, 149305.
Cercidium praecox, 149410.
Cereus sp., 148261.
Cestrum nocturnum, 147639.
Chamaedorea sp., 147640.
Chaptalia spp., 148122-148134.
Chard. See *Beta vulgaris*.
Chaste-tree. See *Vitex parviflora*.
Cherimoya. See *Amnona cherimola*.
Cherry, sweet. See *Prunus avium*.
Cherry-laurel. See *Prunus ilicifolia*.
Chickpea. See *Cicer arietinum*.
China-aster. See *Callistephus chinensis*.
Chinese pink. See *Dianthus chinensis*.
Chinese wool flower. See *Celosia argentea*.

- Chloris acicularis*, 150145.
amethystina, 149817.
caribaea, 149679, 150146.
gayana, 148608, 149499.
virgata, 147803.
- Chrysanthemum carinatum*, 148753.
cinerariaefolium, 148785, 149423,
 149424, 149617.
 spp., 148532, 148764, 148765.
- Cicer arietinum*, 149818.
- Cinchona micrantha*, 147908.
officinalis, 147909-147913, 148341,
 148342, 148850.
pitayensis, 147649, 148610.
pubescens, 148325.
succirubra. See *C. pubescens*.
 spp., 147914, 148115.
- Citrullus vulgaris*, 148636-148645,
 149162-149165, 149257, 149258,
 149259, 149356-149363, 149401-
 149403, 149975-149978.
- Citrus*, 148007, 148012, 148014,
 148015, 148729, 148732, 149007,
 149321, 149354, 149355, 149483,
 149769, 149770, 149899-149901.
aurantifolia, 149460-149462.
celebica var. *southwickii*, 148730.
grandis, 148013, 148731.
grandis × *limon*, 149354, 149355.
limon, 148733, 149445-149447,
 149451.
nobilis var. *unshiu*, 149463.
nobilis var. *unshiu* × *Fortunella*
 sp., 149453.
paradisi, 149452, 149454-149459.
 × *Poncirus trifoliata*, 148735.
reticulata var. *austera*, 148011.
reticulata × *paradisi*, 149429,
 149443, 149448-149450, 149464,
 149465.
sinensis, 148888, 149049, 149425-
 148428, 149430-149442, 149444,
 149466, 149860.
taiwanica, 148734.
 sp., 149047.
- Cladrastis lutea*, 147792, 147793.
tinctoria. See *C. lutea*.
- Cleome* sp., 147947.
- Clitoria* sp., 148971.
- Clover. See *Trifolium dubium*.
 bur. See *Medicago hispida* var.
denticulata.
 hubam. See *Trifolium* sp.
 red. See *T. pratense*.
 white. See *T. repens*.
- Cnidioscolus elasticus*, 150091.
tepiquensis, 150092.
 sp., 150093.
- Cochlospermum* spp., 147689, 149480.
- Cockscomb, common. See *Celosia cris-
 tata*.
 feather. See *C. argentea*.
- Combretum fruticosum*, 148999.
- Copaifera* sp., 147705.
- Corchorus capsularis*, 150186.
- Cordia alliodora*, 150194.
 sp., 147690.
- Coreopsis lanceolata*, 149076.
tinctoria, 148533.
 spp., 149075, 150021.
- Coriander. See *Coriandrum sativum*.
- Coriandrum sativum*, 149778.
- Corn. See *Zea mays*.
- Cornflower. See *Centaurea cyanus*.
- Coronilla varia*, 150112.
- Cosmos* sp., 148332.
- Cotton. See *Gossypium* spp.
- Couma* sp., 148987.
- Cowpea. See *Vigna sinensis*.
- Crab. See *Malus*.
 Siberian. See *M. baccata*.
- Cracca vogelii*. See *Tephrosia vogelii*.
- Crataegus oxyacantha*, 148427.
- Cress, garden. See *Lepidium sativum*.
- Crotalaria goreensis*, 149342.
incana, 149526.
juncea, 147708, 147976-147979.
pilosa, 148972.
 spp., 147980, 147981, 148453,
 149304, 149322.
- Cryptostegia*, 149481.
grandiflora, 149482.
- Cucumber. See *Cucumis sativus*.
- Cucumis melo*, 147691, 148646-
 148650, 149166-149171, 149320,
 149323-149334, 149607, 149979-
 149981.
sativus, 148579.
- Cucurbita maxima*, 149608-149614.
pepo, 148580-148583, 149013.
- Cunuria* spp., 148956-148958.
- Cupressus torulosa*, 148719.
- Cyamopsis tetragonoloba*, 149404.
- Cynodon dactylon*, 148053, 149819,
 149820.
 spp., 148275, 149821, 149822.
- Cynoglossum* spp., 148754, 149077,
 149078.
- Cynometra sessiliflora* var. *laurentii*,
 147698.
- Cypress, Bhutan. See *Cupressus
 torulosa*.
- Dactylis glomerata*, 148162, 148939-
 148941.
- Dactyloctenium* sp., 149021.
- Dahlia*, 150022-150024.
- Daniella thurifera*, 147699.
- Date. See *Phoenix dactylifera*.
- Datura stramonium*, 149618.
- Daucus carota*, 148584-148586.
- Delphinium*, 150025-150033.
 spp., 148534, 148535, 148755,
 149079-149084.
- Derris elliptica*, 148338, 148339,
 149419-149422.
- Desmodium tortuosum*, 148609.
- Desmoncus* sp., 148974.

- Dianthus*, 150039, 150040.
barbatus, 150034-150037.
caryophyllus, 147958-147963.
chinensis, 148691, 148692, 150038.
 sp., 148536.
Digitalis lanata, 147967, 149619.
purpurea, 148914, 149620, 150041.
Digitaria abyssinica, 149823.
 spp., 149022, 149023.
 Dill. See *Anethum graveolens*.
Dimorphotheca aurantiaca, 148756.
Dioscorea spp., 148858, 148994,
 148995.
Diospyros kaki, 149794-149797.
Dipteryx odorata, 148988.
Dolichandrone rheedii, 147951.
Dolichos lablab, 149343.
 sp., 148975.

Echinochloa crusgalli, 149993.
Ehrharta calycina, 150147.
Elaeocarpus sphaericus, 149497.
Elaphoglossum sp., 149474.
Elymus angustus, 150150.
multicaulis, 150148.
 spp., 147804-147809, 147852-
 147854, 150149.
Ephedra gerardiana, 147968.
sinica, 147969, 147970.
Eragrostis abyssinica. See *E. tef*.
cilianensis, 149994.
curvula, 149632.
lehmanniana, 149030.
superba, 148117-148119.
tef, 149995.
 spp., 148120, 148276, 148277,
 149024.
Eremochloa ophiuroides, 148961.
Eremocitrus glauca, 148203.
glauca × *Citrus limon*, 149335.
Eremophila mitchelli, 150152.
sturtii, 150153, 150154.
 sp., 150151.
Eriochloa spp., 148278, 148279.
Eriosema sp., 149025.
Erythrina sp., 147894.
Escallonia leucantha, 150202.
Eschscholtzia californica, 148537,
 148693, 149085-149087.
Esenbeckia runyoni, 147713.
Eucalyptus niphophila, 149003.
torquata, 149004.
Eucommia ulmoides, 149798.
Eugenia luma, 150206.

Fagopyrum esculentum, 148910.
 Feather fingergrass. See *Chloris vir-
 gata*.
 Feathergrass. See *Stipa splendens*.
 Fennel. See *Foeniculum vulgare*.
 Fenugreek. See *Trigonella foenum-
 graecum*.

 Fern, jungle. See *Asplenium* sp., and
Nephrolepis sp.
 Fescue, meadow. See *Festuca elatior*.
 red. See *F. rubra*.
 sheep. See *F. ovina*.
Festuca elatior, 148018, 148163, 148-
 164, 148942, 150157, 150158.
elatior var. *arundinacea*, 150155,
 150156.
mairei, 150159.
ovina, 148165, 149396.
rubra, 147647, 148166.
Ficus carica, 148651-148653.
 Fig, common. See *Ficus carica*.
 Flax. See *Linum usitatissimum*.
 New Zealand. See *Phormium*
tenax.
Foeniculum vulgare, 149601.
 Four-o'clock. See *Mirabilis jalapa*.
 Foxglove, common. See *Digitalis*
purpurea.
 Foxtail, Meadow. See *Alopecurus*
pratensis.
 Foxtail millet. See *Setaria italica*.
Fragaria, 148068-148076, 148142, 148-
 194, 148195, 149041-149043, 149498,
 149717-149723.

Gaillardia mulchella, 148538.
 spp., 149088, 149089.
Garcia nutans, 147709, 149364, 149-
 378, 149673.
 Garden cress. See *Lepidium sativum*.
 Garlic. See *Allium sativum*.
Genipa americana, 148860.
Geonoma sp., 149044.
Gilia capitata, 148757, 149090.
Gladiolus concolor × *Homoglossum*
watsonium, 149045.
 sp., 149824.
Gleditsia amorphoides, 149411.
Glycine javanica, 150160.
max, 148058-148063, 148204-
 148215, 148232-148246, 148259,
 148260, 148291-148302, 148430-
 148444, 148507-148516, 148604,
 148889-148897, 148968, 148969,
 149180-149189, 149227-149244,
 149538-149547, 149550-149560,
 149647-149671, 149908-149923,
 149925-149944, 150175, 150176.
Gonolobus laevis, 148222.
Gossypium, 147692, 148326-148329,
 148611-148615, 148875-148878,
 149153-149159, 149278-149300,
 149301, 149716.
purpurascens, 149950.
religiosum, 149255, 149256.
 Gourd, calabash. See *Lagenaria leu-
 cantha*.
Gourtiea decorticans, 149412.
 Granadilla, purple. See *Passiflora*
edulis.
 sweet. See *P. ligularis*.

- Grape. See *Vitis* spp.
 European. See *V. vinifera*.
 Grapefruit. See *Citrus paradisi*.
 Grass. See *Agropyron* spp., *Agrostis* spp., *Andropogon ischaemum*, *Arrhenatherum erianthum*, *Astrebula* spp., *Bouteloua* spp., *Brachiaria* spp., *Bromus* spp., *Buchloe dactyloides*, *Cenchrus biflorus*, *Chloris* spp., *Cynodon* sp., *Dactyloctenium* sp., *Digitaria* sp., *Ehrharta calycina*, *Elymus* spp., *Eragrostis* spp., *Eriochloa* sp., *Festuca* spp., *Hordeum* spp., *Hyparrhenia* spp., *Lolium* spp., *Melica scabrosa*, *Muhlenbergia pungens*, *Panicum* spp., *Paspalum* spp., *Pennisetum* spp., *Phalaris* spp., *Poa* spp., *Pogonarthria squarrosa* sp., *Polytrias praemorsa*, *Setaria* sp., *Sorghum* sp., *Sporobolus* spp., *Stipa* sp., *Themeda* sp., *Tricholaena* spp., *Urochloa* spp.
 Bahia. See *Paspalum notatum*.
 barnyard. See *Echinochloa crus-galli*.
 Bermuda. See *Cynodon dactylon*.
 blue grama. See *Bouteloua gracilis*.
 bromegrass, smooth. See *Bromus inermis*.
 buffalo. See *Buchloe dactyloides*.
 Canada bluegrass. See *Poa compressa*.
 canarygrass. See *Phalaris canariensis*.
 centipede. See *Eremochloa ophiuroides*.
 Dallis. See *Paspalum dilatatum*.
 Guinea. See *Panicum maximum*.
 gunya. See *Urochloa pullulans*.
 Kentucky bluegrass. See *Poa pratensis*.
 kikuyu. See *Pennisetum clandestinum*.
 meadow. See *Festuca elatior*.
 meadow foxtail. See *Alopecurus pratensis*.
 molasses. See *Melinis minutiflora*.
 Napier. See *Pennisetum purpureum*.
 oatgrass, tall. See *Arrhenatherum elatius*.
 orchard. See *Dactylis glomerata*.
 redbop. See *Agrostis alba*.
 reed canarygrass. See *Phalaris arundinacea*.
 Rhodes. See *Chloris gayana*.
 rough bluegrass. See *Poa trivialis*.
 rye. See *Secale cereale*.
 Sudan. See *Sorghum vulgare* var. *sudanense*.
Griselinia scandens, 150203.
 Guar. See *Cyamopsis tetragonoloba*.
 Guava. See *Psidium guajava*.
Guazuma tomentosa. See *Guazuma ulmifolia*, 148861.
Guizotia abyssinica, 149825.
Heinsia pulchella, 147700.
Helianthus annuus, 148289, 148290, 149771, 149772.
Herreria stellata, 150204.
Hibiscus esculentus. See *Abelmoschus esculentus*.
 spp., 148976, 148989.
Holarrhena wulfenbergii, 149011.
 Holly. See *Ilex* spp.
 Hop, common. See *Humulus lupulus*.
Hordeum stenostachys, 150161.
vulgare, 148798-148812, 149779-149784, 149826, 149843-149846, 149863-149871, 149982.
 Horsechestnut. See *Aesculus hippocastanum*.
Humulus lupulus, 149519-149521, 149741-149750.
Hyoscyamus niger, 149621.
Hyparrhenia rufa, 148445.
 sp., 149827.
Hypochaeris spp., 148135-148137.
Ilex spp., 148016, 148017.
 Indian-tobacco. See *Lobelia inflata*.
 Indigo. See *Indigofera hirsuta*.
Indigofera endecaphylla, 150113.
hirsuta, 148962, 149527, 150114.
 spp., 149026, 150099, 150100.
Ipomoea batatas, 147972, 148019-148025, 148190-148193, 148741-148747, 148855-148857, 148867, 148868, 149689-149709.
crassicaulis, 149715.
 sp., 147971.
Jatropha sp., 147693.
 Jessamine, nightblooming. See *Cestrum nocturnum*.
Juglans australis, 148220.
nigra, 147794.
regia, 148064, 148065.
 Jungle fern. See *Asplenium* sp., and *Nephrolepis* sp.
 Jute. See *Corchorus capsularis*.
 Kaki persimmon. See *Diospyros kaki*.
 Kale. See *Brassica oleracea* var. *viridis*.
 Kapok. See *Ceiba pentandra*.
Kniphofia, 149353.

- Kohlrabi. See *Brassica oleracea* var. *caulorapa*.
 Kudzu. See *Pueraria thunbergiana*.
 Kumquat, Australian desert. See *Eremocitrus glauca*.
Lactuca sativa, 147905, 148587, 148588, 149172, 149737-149740. sp., 148589.
Lagenaria leucantha, 147895, 147964, 147965.
 Larkspur. See *Delphinium*.
Latania commersonii, 148740.
Lathyrus macropus, 149903.
odoratus, 148539-148541, 150042-150052.
Lavandula spica, 149602.
Lavatera sp., 149048.
 Lavender, true. See *Lavandula spica*.
 Lemon. See *Citrus limon*.
Lens culinaris, 149828.
 Lentil. See *Lens culinaris*.
Lepidium sativum, 149785.
Leptospermum abnorme, 147952.
Lespedeza bicolor, 149837.
cuneata, 147810, 147811, 148151.
daurica, 147812.
hedysaroides, 149561, 149838.
stipulacea, 148152, 149351, 149528, 149565, 149890.
striata, 148153, 149529, 149530. sp., 147855.
 Lettuce, garden. See *Lactuca sativa*.
Licania arborea, 149897.
Lillium spp., 149032, 149050.
 Lily. See *Lilium* spp.
 Lime. See *Citrus aurantifolia*.
Linum usitatissimum, 148319-148324, 148387-148391, 148454, 148455, 148813-148819, 148884-148887.
Lithraea caustica, 150205.
Lobelia inflata, 148915, 149622.
Lolium perenne, 147648, 148054, 148167, 148943, 149969-149972, 150163, 150164.
remotum, 150162.
subulatum, 149973.
temulentum, 149956.
Lonchocarpus formosianus, 147953.
margaritensis, 150195.
nicou var. *utilis*, 148337.
Lotus corniculatus, 148168.
 Love-in-a-mist. See *Nigella damascena*.
Lucuma sp., 147948.
 Lupine. See *Lupinus angustifolius*.
Lupinus angustifolius, 150165.
hartwegii, 150053.
Lycopersicon esculentum, 147712, 147906, 148406, 148407-148409, 148590-148592, 148654-148656, 148720, 148748, 148776-148784, 149487-149489, 149983.
esculentum var. *cerasiforme*, 147635, 148230.
hirsutum, 149490.
peruvianum, 149491.
peruvianum var. *dentatum*, 149033.
pimpinellifolium, 148231.
Mahonia lomariifolia, 149046.
Malus, 148402-148405, 148411-148416, 148419, 148420, 148457-148459, 148481-148485, 148487, 148490-148496, 148498, 148500-148503, 148703, 148705, 148707, 148708, 148710, 149724.
adstringens, 148475-148478, 148480, 148486, 148499, 148704, 148709.
baccata, 148401, 148417, 148418, 148421, 148854.
soulardii, 148497.
sylvestris, 148008-148010, 148143, 148145-148150, 148175, 148286, 148287, 148288, 148361, 148362, 148422-148426. sp., 148479, 148706, 148711, 148712, 148852, 148853.
Malva verticillata, 148721.
 Mandarin, Suen Kat. See *Citrus reticulata*.
Manihot spp., 148951, 148977, 149676, 149677.
 Marigold. See *Tagetes* sp.
 pot. See *Calendula officinalis*.
 Marjoram, wild. See *Origanum vulgare*.
Marrubium vulgare, 149623.
Marsdenia edulis, 149801.
 Marshmallow. See *Althaea officinalis*.
Matricaria chamomilla, 149624.
Matthiola incana, 148694, 149895, 149896, 150054-150060.
Maytenus aquifolium, 149038.
 Medic, black. See *Medicago lupulina*.
Medicago falcata, 149173.
hispida var. *denticulata*, 147856.
lupulina, 147857, 147858, 148314.
sativa, 147859, 148066, 148330, 148343, 148518, 149382, 149383.
Melaleuca sp., 149005.
Melica scabrosa, 147813.
Melilotus alba, 149384, 149531, 149562, 149839.
indica, 149385, 149532.
officinalis, 149386. sp., 148315.
Melinis minutiflora, 147973-147975, 148739.
Mentha sp., 149786.
Micrandra sp., 148959.
 Millet. See *Panicum miliaceum*.
 foxtail. See *Setaria italica*.
 pearl. See *Pennisetum glaucum*.

- Milletia grandis*, 147954.
laurentii, 147701.
ovalifolia, 149675.
versicolor, 147702.
 spp., 147955, 147956, 147957.
Mimosa aculeaticarpa, 149000.
pigra, 149413.
Mimosops sp., 148955.
Mirabilis jalapa, 149091.
Morrenia odorata, 149414.
Muhlenbergia pungens, 148359.
 Mung bean. See *Phaseolus aureus*.
Musa textilis, 149379-149381.
 Muskmelon. See *Cucumis melo*.
Myrica cerifera, 147795.
Myroxylon balsamum, 147706.
toluiferum. See *Myroxylon balsamum*.
- Nectarine. See *Amygdalus persica* var. *nectarina*.
Nephelium leiocarpum. See *Alectryon subcinereum*.
Nephrolepis sp., 149475.
Newbouldia laevis, 149012.
Nicotiana glauca, 147902.
rustica, 147903, 147904, 148456, 148714, 148715, 148911, 148912, 149054, 149215, 149316, 149515, 149861, 149862.
tabacum, 147694, 147896, 147714, 147896, 147982, 147983, 148077-148081, 148269-148272, 148990, 149216-149220, 149306-149311, 149957-149968, 150118-150120.
 spp., 147695, 148028, 148029, 148758, 148759, 149516.
Nigella damascena, 149092.
- Oatgrass, tall. See *Arrhenatherum elatius*.
 Oats. See *Avena sativa*.
Ocimum basilicum, 149603, 149625, 149787.
 Okra. See *Abelmoschus esculentus*.
Olea europaea, 149725-149735.
 Olive. See *Olea europaea*.
 Onion, Welsh. See *Allium fistulosum*.
Onobrychis oxytropioides, 150166.
transcaucasica, 150167.
 Orange. See *Citrus sinensis*.
 Orangequat. See *Citrus nobilis* var. *unshiu* × *fortunella* sp.
Origanum vulgare, 149604.
Oryza sativa, 147862-147883, 148253-148258, 148820-148826, 149097-149104, 149190-149214.
- Pachyrhizus ahipa*, 149302, 149904.
erosus, 148333, 148997.
tuberosus, 149924.
Pahudia sp., 147889.
 Palm. See *Areca* sp., *Caryota* spp., *Chamaedorea* sp., *Desmoncus* sp., *Geonoma* sp., *Latania comersonii*, *Ptychosperma* sp., *Raphia taedigera*.
 Royal. See *Roystonea oleracea*.
Pamburus missionis, 150185.
Panicum decompositum, 150168.
maximum, 148360, 149996.
miliaceum, 149174, 149175.
obtusum, 148728.
texanum, 149997.
 spp., 148280, 149829.
Papaver rhoeas, 150061.
 sp., 149093.
 Papaya. See *Carica papaya*.
Paspalum dilatatum, 148055.
notatum, 148738, 148985, 148996, 149303, 149563, 149564, 149840.
stramineum, 149681.
urvillei, 149680.
Passiflora edulis, 147642, 149802.
ligularis, 150094.
 sp., 147897.
 Pea, common. See *Pisum sativum*.
 Peach. See *Amygdalus persica*.
 Peanut. See *Arachis hypogaea*.
 Pear. See *Pyrus*.
 Pearl millet. See *Pennisetum glaucum*.
 Pecan. See *Carya illinoensis*.
Pennisetum alopecuroides, 147814.
cenchroides. See *Pennisetum ciliare*.
ciliare, 148116, 148944, 148963.
clandestinum, 148331.
flaccidum, 147815.
glaucum, 149344-149346.
purpureum, 149064, 149065.
Pernettya furens, 150207.
Persea americana, 149511-149514.
 Persimmon, kaki. See *Diospyros kaki*.
 Petsai. See *Brassica pekinensis*.
Petunia
hybrida, 148542-148544.
 spp., 148695-148697, 148760.
Phalaris arundinacea, 147966, 148169, 148170, 149682, 149683.
canariensis, 148174, 148285.
truncata, 149684, 150169.
tuberosa, 149685-149688; 150170, 150171.
Phaseolus aureus, 148964.
calcaratus, 149347, 149348, 150172-150174.
lunatus, 147907.
vulgaris, 148031, 148334, 148335, 148396-148400, 148593-148598, 149484, 149485, 149984-149989.
Phellodendron lavalleyi, 149494.
Phlox drummondii, 148698, 148761, 149094, 150062, 150063.
Phoenix dactylifera, 149245.
Phormium tenax, 149478.
Phyllanthus spp., 148862, 148952.

- Phyllostachys bambusoides*, 147718.
bambusoides var. *castilloni*, 149627.
Picea pungens, 147788.
 Pigeonpea. See *Cajanus cajan*.
Pimpinella anisum, 149605.
 Pine, longleaf. See *Pinus palustris*.
 slash. See *P. caribaea*.
 Pink, Chinese. See *Dianthus chinensis*.
Pinus caribaea, 148067.
palustris, 148564.
Pisum sativum, 147650-147669, 148599-148602, 149486, 149990.
Pithecoctenium cynanchoides, 149415.
echinatum, 148984.
Plazia argentea, 148713.
 Plum, common. See *Prunus domestica*.
 Myrobalan. See *P. cerasifera*.
Poa compressa, 148171.
pratensis, 148172.
trivialis, 148173.
 spp., 147816, 147817.
 Pochote. See *Ceiba acuminata*.
Pogonarthria squarrosa, 149031.
Polygala cowellii, 150192.
Polypodium sp., 149477.
Polytrias praemorsa, 150098.
Poncirus trifoliata × *Citrus limon*, 148736.
trifoliata × *Citrus sinensis*, 150115.
 Poppy. See *Papaver* spp.
 California. See *Eschscholtzia californica*.
 Potato. See *Solanum tuberosum*.
Prosopis alba, 149905.
ferox, 149906.
 sp., 149907.
Proustia pyrifolia, 150208.
Prunus armeniaca, 147785, 147786, 148033, 148488, 148489, 148657-148664.
avium, 148034.
cerasifera, 148665-148667.
domestica, 148038-148052, 148668, 148669, 149991.
ilicifolia, 147796, 148196.
 sp., 148670.
Psidium guajava, 147643.
Pterocarpus sp., 147898.
Ptychosperma sp., 149470.
Pueraria phaseoloides, 148446, 148883, 148993.
thunbergiana, 147711, 148358, 149841.
 Pummelo. See *Citrus grandis*.
 Pumpkin. See *Cucurbita pepo*.
Puya dasylyrioides, 147636.
Pyrus, 149628, 149629-149631.
 Radish. See *Raphanus sativus*.
Randia spp., 147899, 147949.
Raphanus sativus, 149176.
Raphia taedigera, 149803.
 Redpepper. See *Capsicum frutescens*.
 Redtop. See *Agrostis alba*.
 Redwood. See *Sequoia sempervirens*.
Remijia purdieana, 148851.
Rheum rhaponticum, 148603.
ribes, 149492.
 Rhubarb. See *Rheum rhaponticum*.
Rhus undulata var. *burchellii*, 148121.
 Rice. See *Oryza sativa*.
Ricinus communis, 147644, 147645, 149040, 150095-150097.
Robinia pseudo-acacia var. *sempervirens*, 149767.
Rollinia spp., 148954, 149039.
 Rosary-pea. See *Abrus precatorius*.
Rothrockia cordifolia, 149804.
Roystonea oleracea, 150196.
Rubus macrocarpus, 149495.
 spp., 148344-148348.
Ruprechtia sp., 150197.
 Rye. See *Secale cereale*.
 Ryegrass, perennial. See *Lolium perenne*.
Saccharum, 148913, 149500-149510, 149523, 149537, 149710-149712.
 Safflower. See *Carthamus tinctorius*.
 Sage. See *Salvia officinalis*.
Salpiglossis sinuata, 148699.
Salvia officinalis, 149606.
 Sapodilla. See *Achras sapota*.
Scabiosa spp., 148545, 149095.
Secale cereale, 148827-148830, 149365-149377, 149788, 149789.
Sequoia sempervirens, 147789.
Sesbania macrocarpa, 149533.
Setaria italica, 149177, 149178, 149998.
 sp., 149152.
 Sheep fescue. See *Festuca ovina*.
 Snapdragon. See *Antirrhinum majus*.
 Soja max. See *Glycine max*.
Solandra guttata, 149399.
Solanum coffeifolium, 148030.
macranthum, 149400.
tuberosum, 148176-148189, 148869-148874, 149535, 149536, 149569-149597.
Sonchus asper, 148138.
oleraceus, 148139.
 sp., 148140.
Sophora alopecuroides, 147818.
 Sorghum. See *Sorghum vulgare*.
Sorghum vulgare, 147697, 147824-147844, 147884, 147885, 147915-147939, 148082-148114, 148775, 148879-148882, 149496, 149830-149833, 149999.

- vulgare* var. *sudanense*, 148447, 150000.
sp., 147900.
Soybean. See *Glycine max.*
Spiraea blumei, 149800.
Sporobolus capensis, 149834.
indicus, 148945.
sp., 148281.
Squash. See *Cucurbita maxima.*
Stipa splendens, 147819.
sp., 147820, 147821, 147861.
Stizolobium aterrimum, 148899, 148965.
deeringianum, 148898, 148946, 148966.
sp., 148991.
Stock. See *Matthiola incana.*
Strawberry. See *Fragaria.*
Sugarcane. See *Saccharum.*
Sunflower, common. See *Helianthus annuus.*
Sunn-hemp. See *Crotalaria juncea.*
Swartzia sp., 147696.
Sweet basil. See *Ocimum basilicum.*
Sweetclover. See *Melilotus indica.*
white. See *M. alba.*
yellow. See *M. officinalis.*
Sweet granadilla. See *Passiflora ligularis.*
Sweet pea. See *Lathyrus odoratus.*
Sweetpotato. See *Ipomoea batatas.*
Sweet-william. See *Dianthus barbatus.*
Synsepalum dulcificum, 149027.

Tabebuia avellaneda, 149417.
pentaphylla, 150198.
sp., 149416.
Tagetes spp., 148546, 148547, 148762, 148763, 150064-150070.
Tamarix aphylla, 149888.
Tanacetum vulgare, 148916.
Tangelo. See *Citrus reticulata* × *paradisi.*
Taraxacum sp., 148141.
kok-saghyz, 148027.
Tea, New Jersey. See *Ceanothus americanus.*
Tecoma sp., 147890, 147891, 147892.
Tectaria sp., 149472.
Teff. See *Eragrostis tef.*
Telfairia pedata, 147893.
Tephrosia toxicaria, 148448, 148449.
virginiana, 149626.
vogelii, 148336.
sp., 149835.
Themeda sp., 148282.
Thermopsis lanceolata, 147822.
Tobacco. See *Nicotiana tabacum.*
Aztec. See *Nicotiana rustica.*
common. See *N. tabacum.*
Tomato. See *Lycopersicon esculentum*, *L. esculentum* var. *cerasiforme.*
currant. See *L. pimpinellifolium.*
Tonka-bean. See *Dipteryx odorata.*
Torchlily. See *Kniphofia.*
Trefoil, birdsfoot. See *Lotus corniculatus.*
Trichinium spp., 150177, 150178, 150179.
Tricholaena delicatula, 149028.
spp., 148283, 148284.
Trichosanthes sp., 149471.
Trifolium dubium, 149387.
pratense, 148274, 149388.
repens, 147860, 149352, 149389, 149566-149568.
sp., 148056.
Trigonella foenum-graecum, 149534.
rechingeri, 149051.
suavissima, 150180.
Triticum aestivum, 147633, 148303-148310, 148370-148377, 148462-148474, 148831-148849, 149105-149112, 149751-149765, 149768, 149790-149793, 149805-149811, 149847-149858, 149872-149887, 149951-149955, 150111.
aestivum × *Secale cereale*, 149898.
durum, 148032.
turgidum, 149812.
True lavender. See *Lavandula spica.*
Tung-oil tree. See *Aleurites fordii.*

Undetermined, 148216-148219, 148949, 148950, 148953, 148992, 149006, 149052, 149053, 149467.
Urena lobata, 148340.
Urochloa pullulans, 148450.
sp., 149349.

Vaccinium, 148565, 148566.
Velvetbean. See *Stizolobium aterrimum.*
Deering. See *S. deeringianum.*
Vetch, hairy winter. See *Vicia villosa.*
purple. See *V. atropurpurea.*
Viburnum trilobum, 149672.
Vicia atropurpurea, 148393.
faba, 149179, 149836.
villosa, 148057, 148394.
spp., 148316, 148317, 148318.
Vigna sinensis, 147901, 148671-148683, 148900-148909, 148967.
vevillata, 148451.
Vinca rosea, 148548.
Viola cornuta, 148700.
Vitex parviflora, 147704.
Vitis, 147719-147784, 148223-148229, 148247-148252, 148684, 149001, 150109, 150110.
champini, 150101.
vinifera, 149222-149226, 150102-150108.
sp., 147646.

Walnut. See *Juglans australis*.
 black. See *Juglans nigra*.
 Persian. See *J. regia*.

Watermelon. See *Citrullus vulgaris*.

Welsh onion. See *Allium fistulosum*.

Wheat, common. See *Triticum aestivum*.

durum. See *T. durum*.

Wheatgrass, crested. See *Agropyron cristatum*.

slender. See *A. pauciflorum*.

western. See *A. smithii*.

Xanthisma texanum, 149096.

Yam. See *Dioscorea* spp.

Yam-bean. See *Pachyrhizus erosus*.

Yellow-wood. See *Cladrastis lutea*.

Zea mays, 147634, 147670-147686,
 147707, 147823, 147984-148006,
 148428, 148429, 148452, 148504-
 148506, 148605-148607, 148701,
 148702, 148716, 148717, 148864-
 148866, 149113-149150, 149713,
 149714, 149766, 149891-149894.

Zinnia elegans, 148549-148562.

spp., 150071-150090.

Ziziphora tenuior, 149493.

Ziziphus mistol, 149418.