

100934 to 100941.

From Guam. Seeds and scions presented by S. R. Vandenberg, associate entomologist at the Guam Agricultural Experiment Station, through the director, C. W. Edwards. Received August 8, 1932.

100934. CITRUS HYSTRIX DC. Rutaceae. Carabao.

Seeds of a large thorny tree, 20 to 30 feet high, with leaves 6 to 8 inches long. The fruits vary in shape from oblate to pyriform-turbinate or oblong; the smooth or more or less corrugated thick rind is greenish lemon-yellow, and the greenish flesh is juicy and sharply acid. The tree is said to be resistant to the citrus canker.

For previous introduction see 99321.

100935. MANGIFERA INDICA L. Anacardiaceae. Mango.

Seeds of the Carabao and Saigon mangoes.

100936 to 100941. PERSEA AMERICANA Mill. Lauraceae. Avocado.

Nos. 100936 to 100938 were scions collected on the ranch of T. Villagomez, near Barrigado.

100936. No. 1. Largest tree west of ranch.

100937. No. 2. Tree north of largest tree west of ranch.

100938. No. 3. Tree closest to the road near the patrol quarters.

100939. No. 4. Scions from a small tree east of the mango trees at the ranch of Juan Taltano, Barrigado.

Nos. 100940 and 100941 were scions collected at Dededo.

100940. No. 5. From the ranch of José Lugan.

100941. No. 6. From the ranch of Joe Tames.

100942 to 100944. PERSEA spp. Lauraceae.

From Costa Rica. Scions collected by H. E. Stork, professor of botany, Carleton College, Northfield, Minn. Received August 5, 1932.

100942. PERSEA sp.

Collected at 5,500 feet altitude between Station Maria Dots and Estrella, Costa Rica.

100943. PERSEA sp.

The best native variety of *aguacuate*, from Estrella, Costa Rica, at 4,800 feet altitude.

100944. PERSEA sp.

A red fruit collected July 23, 1932, at Estrella, Costa Rica, at 5,000 feet altitude.

100945 to 100947. PHASEOLUS VULGARIS L. Fabaceae. Common bean.

From South America. Seeds collected by H. G. MacMillan and C. O. Erlanson, Bureau of Plant Industry. Received August 2, 1932.

Locally grown varieties.

100948 to 100950.

From Honduras. Plants presented by Wilson Popence, research department, United Fruit Co., Tela. Received August 6, 1932.

100948. GARCINIA MANGOSTANA L. Clusiaceae. Mangosteen.

100949. GUADUA ANGUSTIFOLIA Kunth. Poaceae.

A giant bamboo, 60 to 90 feet tall, which grows wild from Honduras to Paraguay. The slender

100948 to 100950—Continued.

foliage is of great beauty, comparing with that of ordinary trees as ostrich feathers do with goose quills. The hollow culm is up to 6 inches in diameter, with nodes as much as 20 inches apart, and the wood is sometimes nearly an inch thick. The branches are very thorny.

100950. MUSA PARADISIACA SAPIENTUM (L.) Kuntze. Musaceae. Banana.

A large commercial variety of good quality.

100951. SESAMUM CAPENSE Burm. f. Pedaliaceae.

From Africa. Seeds presented by Dr. I. B. Pole Evans, chief, Bureau of Plant Industry, Pretoria, Union of South Africa. Received August 4, 1932.

Collected on the Springbok Flats in the Transvaal, where the average annual rainfall is 4 inches. An erect simple or branched herbaceous plant up to 6 feet high, native to southern Africa. The leaves are palmately divided into 3 to 5 ovate to linear leaflets 1 to 3 inches long, and the tubular white flowers are 1 inch long; the lobes spread about 1 inch.

100952. WITHANIA SOMNIFERA (L.) Dunal. Solanaceae.

From Africa. Seeds presented by D. C. Edwards, Scott Agricultural Laboratories, Department of Agriculture, Nairobi, Kenya. Received August 4, 1932.

An erect much-branched shrub with round stems 3 to 4 feet high, native to tropical Africa and India. The oblong to obovate, slightly sinuate leaves are 2 to 3 inches long, and the small flowers, in axillary clusters, are followed by globose berrylike fruits one-fourth inch in diameter, surrounded by the inflated calyx. In India the powdered fruit is used as a vegetable rennet.

100953. PHASEOLUS LUNATUS L. Fabaceae. Lima bean.

From India. Seeds purchased through Winfield H. Scott, American consul, Rangoon, Burma. Received August 8, 1932.

*Burma butter*. A native variety largely grown in the vicinity of Rangoon. Introduced for comparison with types now being grown on the Pacific coast.

100954 to 100968. ANTIRRHINUM spp. Scrophulariaceae. Snapdragon.

From Germany. Seeds presented by Dr. Erwin Baur, Kaiser Wilhelm Institut für Züchtungsforschung, Münchenberg (Mark). Received August 5, 1932.

100954 and 100955. ANTIRRHINUM GLUTINOSUM Boiss. and Reut.

100956. ANTIRRHINUM HISPANICUM Chav.

100957. ANTIRRHINUM IBANJEZI Hort.

100958. ANTIRRHINUM LATIFOLIUM Mill.

100959 and 100960. ANTIRRHINUM MOLLE L.

100961. ANTIRRHINUM MEONANTHUM Hoffm. and Link.

100962. ANTIRRHINUM SICULUM Mill.

100963. ANTIRRHINUM TORTUOSUM Bosc.

100964. ANTIRRHINUM VALENTINUM Hort.

100965 to 100968. ANTIRRHINUM spp.