

54468. AGATI GRANDIFLORA (L.) Desv. Fabaceæ.
(*Scesbania grandiflora* Poir.)

From Honolulu, Hawaii. Seeds presented by Dr. H. L. Lyon, in charge Department of Botany and Forestry, Experiment Station of the Hawaiian Sugar-Planters' Association. Received December 10, 1921.

"If given plenty of room, this plant grows into a tree some 30 feet tall, with a trunk diameter of 6 to 8 inches. Seedlings of this tree develop numerous large nodules on their roots at a very early stage in their growth, and we have used the species as a green soiling crop, the seeds being planted thickly and the plants turned under when they were 4 to 6 feet tall." (*Lyon.*)

For previous introduction, see S. P. I. No. 27580.

54469. EUCALYPTUS GUNNII Hook. f. Myrtaceæ.

From Hobart, Tasmania, Australia. Seeds presented by L. A. Evans, Acting Director of Agriculture. Received November 2, 1921.

The cider eucalypt is usually about 50 feet high and grows at altitudes of 4,000 to 5,000 feet in Australia. In the spring the Tasmanians make an excellent cider from the sweetish sap. The tree is also known as sugar gum, because of the sweetness of its leaves, which are browsed by stock. The bark yields tannin, which, in a 12-weeks' process, colors leather light brown and makes it rather flexible. The tree is usually crooked, but is used as a forest cover, and the wood is used for fuel and charcoal. It has stood 22° F. without the least injury. The species is well adapted to dry situations and has grown 7 feet a year on deep, sandy soil in Florida. (Adapted from *Eucalypts in Florida, U. S. Department of Agriculture, Forest Service Bulletin No. 87, pp. 19, 44, and Maiden, Useful Native Plants of Australia, pp. 126, 318, 465.*)

For previous introduction, see S. P. I. 36620.

54470. GARCINIA SPICATA (Wight and Arn.) Hook. f. Clusiaceæ.

From Yokohama, Japan. Seeds purchased from the Yokohama Nursery Co. Received November 10, 1921.

Introduced as a possible stock for the mangosteen.

A medium-sized tree native to the western peninsula of India, with obtuse, shining leaves up to 3 by 8 inches, small flowers in spikes, and smooth, deep-green fruits the size of a walnut. (Adapted from *Hooker, Flora of British India, vol. 1, p. 269.*)

For previous introduction, see S. P. I. No. 16787.

54471. HOLCUS SORGHUM L. Poaceæ. Sorghum.
(*Sorghum vulgare* Pers.)

From Poona, Bombay, India. Seeds presented by the director, Department of Agriculture, through Dr. C. R. Ball, United States Department of Agriculture. Received November 21, 1921.

"The heads were about 4 inches long, exceedingly compact and somewhat pyriform, while the seeds were similar in shape to those of *nilo*, or *feterita*, but smaller and of a yellowish white color." (*Ball.*)

54472. BAUHINIA FLAMMIFERA Ridley. Cæsalpiniaceæ.

From Singapore, Straits Settlements. Seeds collected by I. Henry Burkill, director, Botanic Garden. Received November 26, 1921.

A very lofty climber with scurfy red twigs and ovate-cordate leaves, usually notched at the tip, with red, pubescent petioles and veins. The red-stalked flowers are rich yellow on opening but soon turn to a bright red; they are borne on terminal panicles 8 inches long and nearly as thick. The petals are crisped and hairy outside. This is the common Bauhinia which forms such a conspicuous mass of color in the woods of the low country in Selangor and Perak. (Adapted from *Ridley, New and Rare Species of Malayan Plants, Journal of the Straits Branch, Royal Asiatic Society, No. 82, September, 1920, p. 182.*)