

88276. ONCOBA ECHINATA Oliver. Flacourtiaceae.

From Ganta, Liberia, Africa. Seeds presented by Dr. George W. Harley. Received May 22, 1930.

A smooth shrub with thin, leathery, oval leaves, small, inconspicuous flowers, and round, prickly fruits about an inch in diameter. It is native to eastern tropical Africa. The seeds contain 46.6 per cent of fat, and an analysis of this fat has shown it to contain 87.5 per cent chaulmoogric acid, which is used in the treatment of leprosy.

For previous introduction see No. 55465.

88277. SACCHARUM SP. Poaceae.
Sugarcane.

From Hawaii. Cuttings received from H. P. Agee, Director of the Hawaiian Sugar-Planters' Association. Received May 22, 1930.

Received as *Saccharum robustum*, for which a place of publication has not been found.

88278 to 88313.

From Manchuria. Seeds collected by P. H. Dorsett and W. J. Morse, agricultural explorers, Bureau of Plant Industry. Received May 26, 1930.

88278. PUERARIA THUNBERGIANA (Sieb. and Zucc.) Benth. Fabaceae. **Kudzu-bean.**

No. 5682. Received from the Manchu Nosan Shokai (Inc.), Dairen, South Manchuria, April 22, 1930.

Large quantities of kudzu seed are collected in South Manchuria as far north as Mukden. No use is made of kudzu in this region other than collecting the seed for shipping to the United States.

For previous introduction see No. 83812.

88279 to 88313. SOJA MAX (L.) Piper (*Glycine hispida* Maxim.). Fabaceae.
Soybean.

Nos. 88279 to 88293 were received April 21, 1930, from the South Manchuria Experiment Station, Kunchuling.

88279. No. 5649. *Hakubi* (Mukden white). A medium-sized, oval, light glossy yellow bean with pale hilum. Used as grain.

88280. No. 5650. *Chanchun*. Experiment Station No. 220. A medium-small, oval, slightly flattened, dull-yellow bean with large, dark-brown hilum. Used for forage and green manure.

88281. No. 5651. *Kingin*. A medium-small, oval, light glossy yellow bean with russet-brown hilum. Used as grain.

88282. No. 5652. Experiment Station No. 319. A medium-sized, oblong, slightly flattened, glossy, yellow bean with brown hilum. Used for pasture and forage.

88283. No. 5653. *Kokoshu*. A medium-sized, nearly round, glossy, light-yellow bean with light-brown hilum. Used as grain.

88284. No. 5654. Experiment Station No. 543. A medium-sized, oval, slightly flattened, yellowish-brown bean. Used for pasture and forage.

88278 to 88313—Continued.

88285. No. 5655. Experiment Station No. 483. A medium-sized, oval, much flattened, yellowish-brown bean. Used as forage.

88286. No. 5656. *Kaiyuan No. 191*. A medium-small, oval, glossy, yellow bean with pale hilum. Used for forage and green manure.

88287. No. 5657. *Mosheto*. A medium-sized, oval, much-flattened brown bean which appears very similar to Virginia (F. P. I. 19196D). Used as green manure and forage.

88288. No. 5658. Experiment Station No. 480. A medium-small, much-flattened, yellowish-brown bean. Used for forage and green manure.

88289. No. 5659. Experiment Station No. 235. A medium-sized oval, glossy, yellow bean with pale hilum. Used as grain.

88290. No. 5660. *Changechung No. 591*. A medium-sized oval, greenish-yellow bean with pale hilum. Used for forage and green manure.

88291. No. 5661. Experiment Station No. 262. A medium-sized nearly round, glossy, yellow bean with light-brown hilum. Used as grain.

88292. No. 5662. Experiment Station No. 420. A medium-small, oval, much-flattened, black bean with yellow germ. Very similar to *Wilson-Pue*. Used as forage.

88293. No. 5663. Experiment Station No. 224. A medium-small, oval, light-yellow bean with pale hilum. Used as grain.

Nos. 88294 to 88313 were received April 23, 1930, from the inspection division of the South Manchurian Railway wharf. A collection of mixed yellow-seeded Manchurian varieties.

88294. No. 5683. From Kingchuling.

88295. No. 5684. From Chinchang.

88296. No. 5685. From Kaiyuan.

88297. No. 5686. From Changchun.

88298. No. 5687. From Hsian.

88299. No. 5688. From Miaotailu.

88300. No. 5689. From Penhsih.

88301. No. 5690. From Tsaichiatun.

88302. No. 5691. From Fengtien (Mukden).

88303. No. 5692. From Sanchanho.

88304. No. 5693. From Ssuningkai.

88305. No. 5694. From Tiehling, Manchuria. Said to be sent to the main island for the manufacture of soy sauce and miso.

88306. No. 5695. From Fushun.

88307. No. 5696. From Kahiisho.

88308. No. 5697. From Kuochiatien.

88309. No. 5698. From Shuangcheng-puk.

88310. No. 5699. From Touren.

88311. No. 5700. From Talanchi.

88312. No. 5701. From Changtu.

88313. No. 5702. From Chirin.