

**48001 to 48011.**

From Buitenzorg, Java. Presented by Dr. P. J. S. Cramer, chief, Plant Breeding Station. Received September 12, 1919. Quoted notes by Dr. Cramer.

**48001 to 48010. ELAEIS GUINEENSIS Jacq. Phœnicaceæ. Oil palm.**

"I am mailing 13 boxes of seeds of *Elaeis guineensis*, which were collected from trees grown in our garden at Sumatra."

This palm is very important economically. The fruit is used by the natives for food, the leafstalks and leaves for thatching houses, and the fleshy outer layer and kernels of the fruit each yield a commercial oil—that from the fleshy part being the ordinary palm oil used in the manufacture of soap and candles and that from the kernels being the white or nut oil used for making margarine or artificial butter. (Adapted from *Macmillan, Handbook of Tropical Gardening and Planting*, p. 533.)

**48001.** "Banga K from tree 46 I, which was grown from seed imported from Kamerun."

**48002.** "Banga K from tree 47 I, which was grown from seed imported from Kamerun."

**48003.** "Banga K from tree 54 I, which was grown from seed imported from Kamerun."

**48004.** "Banga K from tree 55 I, which was grown from seed imported from Kamerun."

**48005.** "Denden 7 from tree 46 II, which was grown from seed imported from Sao Thome Island, Portuguese West Africa."

**48006.** "Denden 7 from tree 54 II, which was grown from seed imported from Sao Thome Island, Portuguese West Africa."

**48007.** "Nsombo C from tree 43 II, which was grown from seed imported from the Belgian Kongo."

**48008.** "Nsombo D from tree 23 II, which was grown from seed imported from the Belgian Kongo."

**48009.** "Nsombo D from tree 24 II, which was grown from seed imported from the Belgian Kongo."

**48010.** "Nsombo D from tree 59 II, which was grown from seed imported from the Belgian Kongo."

**48011. MIMUSOPS KAUKI L. Sapotaceæ.**

"Seeds of *Mimusops kauki* with big fruits. The taste resembles very much that of *Achras zapota*, but the fruit is not eaten very often by Europeans; it is a tree that likes to grow near the sea."

**48012. COIX LACRYMA-JOBI L. Poaceæ. Job's-tears.**

From Rio de Janeiro, Brazil. Presented by Mr. T. R. Day, through Mr. Augustus I. Hasskarl, American vice consul, Rio de Janeiro. Received September 10, 1919.

"*Lagrimas de Nossa Senhora* (tears of Our Lady). This plant is a vigorous grower and produces, under almost any local conditions, great crops of excellent forage. It reaches a height of 10 feet or over, and a single plant often produces 40 to 50 shoots. The yield in green forage under favorable conditions runs very high, from 10 to even 20 tons to the acre, and the yield of grain is also very heavy. The seeds are very hard and if allowed to mature require crushing or grinding before feeding. Possibly the most important use of this plant