

54964 to 54966. CERATONIA SILIQUA L. Cæsalpiniaceæ. Carob.

From Malaga, Spain. Budwood presented by Sr. Luis Liro Ortiz, through Gaston Smith, American consul, Malaga, Spain. Received March 30, 1922. Quoted notes by Sr. Ortiz, unless otherwise stated.

"In recent years carob cultivation has received serious attention in California, and efforts have been made to secure the best varieties from the Mediterranean region for trial in that State. These three which have been sent in by Sr. Luis Liro Ortiz are recommended as some of the best which are grown in the region of Malaga." (*Wilson Popenoe.*)

"With the exception of the *Castellana*, the carob grows in all this region without any cultural attention, often having the appearance of a wild tree. The *Castellana* is the only sort propagated by grafting. It is considered to be the most productive of all."

54964. "*Bravie*. Cuttings from a 35-year-old tree growing on the property of Basilia Mira Gutierrez, at Pago del Pino, District of Torrox. The tree receives no care whatever and is growing in dry, stony soil; in spite of these conditions, it produces long pods, somewhat more slender than those of *Castellana*."

54965. "*Castellana*. Cuttings from a tree growing on the property of the widow of Salvador Mira Rico, at Pago del Pino, in the District of Torrox, Province of Malaga. The rootstock is of the *Bravie* variety and was top-worked to *Castellana* seven years ago. At present it yields excellent crops of long carobs, in spite of the fact that it is never pruned nor cultivated and that it is growing on stony land."

"The pods of this variety are about 8 inches long, plump, and very sweet. It appears to be an excellent sort." (*Wilson Popenoe.*)

54966. "*Macho*. Cuttings from a tree 30 to 35 years old, growing on the property of Salvador Molina Sanchez, at Pago del Pino, District of Torrox. The tree has been abandoned and stands on dry, rocky ground; in spite of this, it produces a large quantity of short, broad carobs."

54967. DIOSCOREA TRIFIDA L. f. Dioscoreaceæ. Yampi.

From Panama, Canal Zone. Collected by Dr. David Fairchild, Agricultural Explorer in Charge of the Office of Foreign Seed and Plant Introduction, Bureau of Plant Industry. Received October 3, 1921. Numbered March, 1922.

"This is a purple-skinned variety of the yampi. The yampi is not a strong grower, but since some of the most delicious of all the tropical yams belong to this species it will be well worth while if some of the varieties can be grown successfully in Florida. The leaves of this variety are five-lobed and the stem two to four winged, with purple lines on the wings." (*R. A. Young.*)

54968. SOJA MAX (L.) Piper. Fabaceæ. Soy bean.
(*Glycine hispida* Maxim.)

From Harbin, Manchuria. Seeds presented by B. W. Skvortzow. Received February 28, 1922.

Introduced for experimental work by specialists of the Department of Agriculture.