

**46333. RICINUS COMMUNIS L. Euphorbiaceæ. Castor-bean.**

From Colombia. Presented by Mr. Hernando Villa, Girardot. Received July 16, 1918.

Seed five-eighths of an inch long and three-eighths of an inch wide; light-gray ground with stripes and blotches of reddish brown. Introduced for experiments to determine the oil content of different varieties of castor-beans.

**46334. CARICA PAPAYA L. Papayaceæ. Papaya.**

From Tampico, Mexico. Presented by Mr. Harry Hummel. Received July 16, 1918.

"*Papaya real*. The fruit from which these seeds were taken was 14 inches long and 6 inches in diameter. It is the very best papaya that grows in the Tampico district and is a delicious fruit equal to any muskmelon. The trees grow in sandy loam in a climate which very seldom goes below 40° F. and reaches as high as 110°." (*Hummel*.)

**46335. VIOLA sp. Myristicaceæ.**

From Rio de Janeiro, Brazil. Presented by Mr. R. P. Momsen, American vice consul. Received July 17, 1918.

"*Bichyba* nut. A common ornamental and timber tree of large size, with brown, medium-hard wood, well known on the Brazilian market. The seed is said to yield an oil used in medicine and for soap making." (*H. M. Curran*.)

For previous introduction, see S. P. I. No. 41945.

**46336. CITRUS GRANDIS (L.) Osbeck. Rutaceæ. Pummelo.**

(*C. decumana* Murray.)

From Shenchowfu, Hunan, China. Presented by Mr. N. T. Johnson, American consul at Changsha, who received them from Rev. J. F. Bucher. Received July 24, 1918.

"Red-fleshed pummelo. Ripens earliest of any pummelos on our compound. Is at least two months earlier than other varieties." (*Bucher*.)

**46337. PERSEA AMERICANA Mill. Lauraceæ. Avocado.**

(*P. gratissima* Gaertn. f.)

Plants grown at the Plant Introduction Field Station, Miami, Fla. Numbered for convenience in recording distribution.

*Gottfried* variety. A Mexican avocado which has proved quite frost resistant. This variety is a seedling grown from seed received under S. P. I. No. 19094. The fruit ripens at Miami during the months of August, September, and October. It is pear shaped and of a purplish maroon color; weighs 11 to 12 ounces and is of fair quality.

**46338 to 46354.**

From Guayaquil, Ecuador. Presented by Dr. Frederic W. Goding, American consul general. Received July 24, 1918. Descriptive notes by Dr. Goding.

These legumes have been introduced for use in a series of experiments in testing and breeding varieties of South American plants which bear beanlike seeds, for the purpose of selecting or developing strains suited to the various conditions obtaining in different parts of the United States.