

42052 to 42054—Continued.

42052. DIOSCOREA sp.

Manawá yam.

"A very peculiar yam which appears to be distinct from the white yampee, the *Mapucs* yampee of Porto Rico, or any of the wild sorts I have ever seen. We are calling it the *Manawá* yam, from the plantation where I am trying it near Colon. About nine months ago I obtained two small roots from a Panaman, who admitted they were not commonly cultivated even in Panama. They may be native to the Darien region. From one hill (planted in April, I believe), we harvested some 6 or 8 pounds in November, and the vines are still (December 24) producing. It is a heavy yielder and two or three months earlier than the *Dioscorea alata* or *D. sativa* types. It is slightly sweet and has a flavor all its own, and practically no rag. The size and shape impress me strongly. The skin is of a distinct type, potatolike. This, with the attractive shape, individual size, and mealiness, will, I believe, make the *Manawá* very popular." (*Barrett.*)

"When baked the skin is bitter and can not be eaten." (*R. A. Young.*)

See S. P. I. No. 39705 for previous introduction.

For illustrations of yams, see Plates III and IV.

42053. DIOSCOREA TRIFIDA L. f. Dioscoreaceæ.

White yampee.

"From Bracho plantation, near Colon. Second crop. Probably *Dioscorea trifida*." (*Barrett.*)

"The quality is excellent, the flesh being white and mealy." (*R. A. Young.*)

For an illustration of the tubers of the white yampee, see Plate V.

42054. DIOSCOREA sp. Dioscoreaceæ.

Yampee.

"From Bracho plantation, near Colon. Second crop." (*Barrett.*)

"The quality is fair; the flesh is very slightly pink and is rather firm." (*R. A. Young.*)

The tubers of this introduction were received mixed with those of the *white yampee*, S. P. I. No. 42053, but on account of the marked difference in appearance and quality they were separated and given different numbers.

For an illustration of this form of yampee, see Plate VI.

42055 and 42056.

From Joinville, Brazil. Presented by Mr. Jean Knatz. Received March 3, 1916.

42055. CARICA PAPAYA L. Papayaceæ.

Papaya.

A rapid-growing fruit tree, reaching a height of 25 feet in 10 months and bearing numerous melon-shaped fruits on the trunk. Good varieties are deliciously sweet, with a characteristic flavor. They are relished as a breakfast fruit and are easily digested, as they contain a powerful papain ferment.

42056. PHASEOLUS CALCARATUS Roxb. Fabaceæ.

Rice bean.

"The plant is strictly an annual and half twining in habit. Planted in rows the different varieties grow 12 to 30 inches high and produce vining branches 3 to 6 feet long. The leaves closely resemble those of the common bean, but not infrequently are three lobed. The flowers are bright yellow, produced in racemes of 10 to 20. The pods are smooth,