

91182 to 91197.

From China. Scions and seeds obtained by P. H. Dorsett and W. J. Morse, agricultural explorers, Bureau of Plant Industry. Received January 16, 1931.

91182 to 91187. *DIOSPYROS KAKI* L. f. Diospyraceae. **Kaki persimmon.**

91182. From Chu Li Chi, village of Hseangtung. No. 7489. Scions of the Lantern persimmon. The fruits are about 2 inches long by 2 to 3 inches in diameter. This persimmon is of good color and attractive in appearance. The constriction is nearer the top than that of the Tamopan or Lange persimmon. The Lantern persimmon trees are usually stronger and more vigorous growers than the Tamopan and are usually girdled, as this variety has a tendency to produce vegetative growth at the expense of fruit; and the checking of this tendency by girdling is essential to the best fruit production.

Nos. 91183 to 91187 are scions collected at Kutang, near Hangchow.

91183. No. 7490. *Fire* persimmon. This is the second most important variety grown in this region. The attractive fruit, which ripens in September, is smooth without constriction and of rather deep-red color, measuring about 2 inches in thickness and over 2 inches in diameter. It is probably nonastringent when firm, as it is reported that they are not processed and that they are gone before frost.

91184. No. 7491. *Square* persimmon. This is the most important variety grown in this region. The fruit ripens in September and is a good-sized, smooth-skinned, red persimmon without constriction, 2 inches in thickness and nearly 3 inches in diameter. The color is not so deep a red as that of No. 7490 [91183], but the fruit is larger. It is reported that this persimmon is not processed and that its season is over before frost, therefore it may be nonastringent when quite firm.

91185. No. 7492. *High foot* persimmon. This is the third important persimmon grown in this region. The fruit ripens in September. This is a very fine large fruit, with smooth skin without constriction, and the color is somewhat redder than that of No. 7491 [91184], but not so deep a red as No. 7490 [91183]; it measures over 2 inches in thickness and over 3 inches in diameter. It is reported that the fruit is not processed and that the season is over before frost, therefore it is probably nonastringent when quite firm.

91186. No. 7493. The *Whitebark* persimmon, used as a stock on lowlands in this region and also used to some extent as a fresh fruit. The fruits, about 2 inches in thickness and over 2 inches in diameter, are a rather dull russet-yellow color and ripen in October. Growers in this region take the young plants from the mountain side when about 6 feet in height and 1 inch in diameter and plant them in their orchards. The second season, when

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the plant is about 2 inches in diameter, they are grafted apparently by what is known as the side-spur method.

91187. No. 7494. Scions of the *Whitebark* persimmon, taken from a different tree from those sent in under No. 7493 [91186].

91188. *DIOSPYROS* sp. Diospyraceae. **Persimmon.**

No. 7596. Supposed to be the *Whitebark* persimmon.

91189. *LIGUSTRUM LUCIDUM* Ait. Oleaceae. **Glossy privet.**

No. 7597. November 30, 1930. Collected along the road from Hangchow to Kutang. Trees up to 40 feet high, with light-colored bark. This seed was collected from a tree 20 feet high, which was in full leaf at this date.

91190. *PHASEOLUS ANGULARIS* (Willd.) W. F. Wight. Fabaceae. **Adzuki bean.**

No. 7583. November 27, 1930. Obtained in Shanghai and said to be grown in that region.

91191. *PHASEOLUS AUREUS* Roxb. Fabaceae. **Mung bean.**

No. 7498. November 27, 1930. *Green* bean. Glossy and dull-green beans from Shanghai.

91192. *PISUM SATIVUM* L. Fabaceae. **Pea.**

No. 7584. November 28, 1930. Obtained in Shanghai; said to be native grown.

91193 to 91195. *SOJA MAX* (L.) Piper (*Glycine hispida* Maxim.). Fabaceae. **Soybean.**

From Shanghai, seeds said to be locally grown.

91193. No. 7585. November 28, 1930. A black bean with green germ.

91194. No. 7586. November 27, 1930. A good-sized yellow bean.

91195. No. 7587. November 27, 1930. A large, dull-green, rather promising bean.

91196. *VICIA FABA* L. Fabaceae. **Broadbean.**

No. 7499. November 27, 1930. *Silk-worm* bean. From Shanghai, said to be locally grown.

91197. *CASTANEA HENRYI* (Skan) Rehd. and Wils. Fagaceae. **Chestnut.**

No. 7497. November 30, 1930. From Hangchow. An edible chestnut, originally from Shaohsing, Chekiang Province. The tree becomes from 25 to 90 feet high, with oblong-lanceolate long-acuminate leaves, green on both sides. The burs are either solitary or two in a bunch, usually containing but one nut.

For previous introduction see 85723.

91198 to 91230.

From France. Plants purchased from F. Delaunay, Angers. Received January 16, 1931.

91198 to 91210. *PYRUS* spp. Malaceae. **Fear.**

91198. *PYRUS* sp. **Admiral Gervais.**