

54407 to 54409.

From Chengtu, Szechwan, China. Seeds presented by P. M. Bayne, through J. Burt Davy, Cambridge, England. Received September 19, 1921.

The only notes received with these seeds were the native names in Chinese characters. These were translated by Dr. T. Tanaka, of the Office of Crop Physiology and Breeding Investigations.

54407. *AMARANTHUS PANICULATUS* L. Amaranthaceæ.

No. 86. "Savage's chestnut."

54408. *CUCURBITA* sp. Cucurbitaceæ.

No. 12. "Winter *kua*."

54409. *IPOMOEA REPTANS* (L.) Poir. Convolvulaceæ.
(*I. aquatica* Forsk.)

No. 49. "Yung vegetable."

54410. ZEA MAYS L. Poaceæ.**Corn.**

From Supe, Peru. Seeds presented by Thomas W. Voetter, American consul. Received September 16, 1921.

"In December, 1919, I obtained an ear of corn at Supe, Peru. Part of this was planted at Antofagasta, Chile, and gave very satisfactory results. The plant grew very tall, and on some of the stalks four ears appeared. The ears were long and the grains tender, juicy, and sweet.

"Some of the grains from the original ear were sent to Fort Wayne, Ind., and planted there in 1920, but no ears formed there before the coming of frost. It is evident that this variety needs a long growing season and might do very well and prove very satisfactory in some southern State." (*Thomas W. Voetter.*)

54411 to 54424. BRASSICA spp. Brassicaceæ.

From Okitsu, Shizuokaken, Japan. Seeds presented by Dr. T. Onda, director, Imperial Horticultural Experiment Station, through T. Ito, chief, Plant Industry Division, Imperial University of Agriculture and Commerce, Tokyo. Received September 30, 1921.

New and rare types of salad plants and green vegetables, etc. Notes adapted from Inouma, Japanese Mustards; translated by T. Tanaka, of the Office of Crop Physiology and Breeding Investigations.

54411. *Hatakna* (farm vegetable), from Kyoto Province, much resembles *aburana*, the common oil vegetable, but is paler. It is commonly used as a kind of salad. The yellow flowers are three-quarters of an inch across and bear four light-green honey glands. The radical leaves resemble those of daikon (*Raphanus sativus*). The many-seeded pods are $4\frac{1}{2}$ inches long.

54412. *Hinona* (vegetable of Hino), from Shigaken. A plant produced in the village of Hino, Omi Province, with leaves like *aburana* and a little longer, the larger veins showing reddish purple. The root, 5 to 7 inches in circumference and 7 to 8 inches long, is a beautiful purplish red. The yellow petals are rounder than those of *aburana*.

54413 to 54415. A variety with sparingly incised leaves and white stalk called *Mibuna* from the name of the village where it originated, in the vicinity of Kyoto. The leaves are soft and of good flavor and are highly esteemed.

54413. *Mibuna* (common).

54414. *Mibuna*, *okute* (late).

54415. *Mibuna*, *wase* (early).