

"*Pentstemon palmeri*, from the western and southern slopes of the San Francisco Mountains of Arizona, is one of the best and most promising native species of this useful genus of ornamental plants. It withstands droughty conditions well and responds remarkably to good treatment. In nature the spikes stand 4 to 6 feet high, and the plant is reduced to little more than a rosette of basal leaves at the close of the long, dry, late summer and autumn. Under conditions at Chico, Calif., the flowering stems may stand 6 to 7 feet high, and the plants go into winter with a vegetative growth of 18 inches or more. Its abundant glaucous green foliage, long spike (2 to 3 feet) of large light-pink flowers opening progressively from below, together with its very robust habit, make it a desirable acquisition to our long list of pentstemons. It has good seed habits and if started early in flats and transplanted into the open in early spring it will blossom sparingly the same year." (*David Griffiths.*)

46596 to 46629.

From Ecuador. Seeds and tubers collected by Dr. J. N. Rose, associate curator, National Herbarium, Washington, D. C. Received September 25, 1918. Quoted notes by Dr. Rose. Numbered October, 1918.

46596 to 46607. ZEA MAYS L. Poaceæ. **Corn.**

"No. 10a. Various samples of corn obtained from Indians in the Ambato market."

46596. "Maroon."

46597. "Reddish brown."

46598. "Dark red-brown."

46599. "Light red-brown."

46600. "Light brown."

46601. "Light brown shading to cream."

46602. "Yellow; kernel short and thick."

46603. "Yellow; kernel long and slender."

46604. "Light yellow; kernel broad."

46605. "Light yellow; kernel wedge shaped."

46606. "Cream color."

46607. "Nearly white."

46608 to 46610. OXALIS TUBEROSA Molina. Oxalidaceæ. **Oca.**

46608. "No. 19a. Tubers of an elongated form from Ambato."

46609. "No. 19b. Tubers of a red form obtained at Huigra."

46610. "No. 19c. Tubers of a yellow form."

46611. CUCURBITA MAXIMA Duchesne. Cucurbitaceæ. **Pumpkin.**

"No. 23. *Zafallo*. Fruit very large and sometimes weighing 100 pounds. Used like our pumpkin."

46612. DOLICHOS LABLAB L. Fabaceæ. **Bonavist bean.**

"No. 24: 24121. *Avilla*; a legume. Seed brown with large white aril."

46613. FRAGARIA CHILOENSIS (L.) Duchesne. Rosaceæ. **Strawberry.**

"No. 26. Strawberries from the Guayaquil market. A very large strawberry which grows in the dry plains without irrigation. It ought to do well in Texas and southern California."