

Alectryon excelsum (Sapindaceae), 48164. From Auckland, New Zealand. Seeds presented by Mr. H. R. Wright. "A handsome, evergreen tree, commonly called the New Zealand oak." (Wright.)

A tree 30 to 60 feet high, with black bark, and with the young branches, undersurfaces of the compound leaves, paniced inflorescence, and capsules clothed with silky ferruginous pubescence. The globose shining jet-black seeds, from which the Maoris formerly extracted an oil, are half imbedded in a scarlet, fleshy, cup-shaped aril. The tree yields a tough, elastic timber valuable for ax handles. (Adapted from Cheeseman, Manual of the New Zealand Flora, p. 103.)

For previous introduction see S. P. I. No. 24876.

Avena sativa (Poaceae), 48088. **Oats.** From Johannesburg, Transvaal. Purchased from the Agricultural Supply Association, through Mr. J. Burt-Davy, botanist. "Boer Oats. The principal oats grown for forage, i.e., oat hay, before the Anglo-Boer War, and valued for the fineness of its straw. Almost ousted by the Algerian oat, and now very rare. Boer oats always contain some black oats among the brown. The glumes have a characteristic roughness which readily distinguishes this variety from Algerian oats. Grown under irrigation." (Burt-Davy.)

For previous introduction see S. P. I. No. 13968.

Avena sativa (Poaceae), 48109. **Oats.** From Melbourne, Victoria. Presented by Prof. A. E. V. Richardson, agricultural superintendent. "Ruakura. A rust-resistant oat developed from a single plant of Argentine oats selected by Primrose McConnell, of the Ruakura Experiment Farm, New Zealand, in 1908. This variety appears to be resistant to both stem and crown rust in the United States, but experiments here indicate that it has little commercial value. It is of probable interest to plant breeders." (C. W. Warburton.)

"It has never been claimed that the new oat is rustproof. What can be claimed is that it is the most resistant to disease of all the varieties tested at Ruakura." (Journal of Agriculture, New Zealand, vol. 6, p. 133.)

"This oat was imported from New Zealand, it having originated as a variation in a crop of Argentine oats at the Ruakura Experiment Farm, in the Dominion. It is claimed that it is rust resistant and a wonderful yielder. It has not been tried sufficiently long