

54910. MYRIANTHUS ARBOREUS Beauv. Moraceæ.

From Zomba, Nyasaland Protectorate. Seeds presented by E. W. Davy, Assistant Director of Agriculture. Received March 13, 1922.

A medium-sized ornamental tree with spreading branches, common in the dense humid forests of tropical Africa at an altitude of about 4,000 feet. The palmate leaves, with five to seven leaflets, are up to 20 inches in length. The male flowers, borne in axillary clusters with peduncles 2 to 7 inches long, form a solid mass of yellow, later becoming brownish gold. The edible golden yellow fruits are up to 4 inches in diameter, with an acidulous-sweet flavor, and in the Southwest Africa Protectorate are much esteemed by the natives who bring them to the coast markets. (Adapted from *Hiern, Catalogue of Welwitsch's African Plants, pt. 4, p. 995*; *Thiselton-Dyer, Flora of Tropical Africa, vol. 6, pt. 2, p. 231*; and *Wildeman, Mission Emile Laurent, vol. 1, p. 377*.)

For previous introduction, see S. P. I. No. 44250.

54911 to 54917.

From Christiania, Norway. Seeds presented by Haakon Foss, director, Agricultural Experiment Station. Received March 16, 1922. Quoted notes by Mr. Foss.

"Early varieties of barley and oats that have proved valuable in the central mountain districts of Norway. They should be of interest for regions of high altitude and cold climate in the United States.

"The seeds sent were grown chiefly in 1921 at Vindingstad, the experiment farm in the central mountain districts, lying at an elevation of 550 meters (approximately 1,800 feet)."

54911. AVENA SATIVA L. Poaceæ.**Oats.**

"*Perle havre* (pearl oats). An early variety of oats with stiff stems, selected by Doctor Christie, Hamar, Norway. The yield is very high, the average for 1919 to 1921 being 3,300 kilograms of grain and 6,800 kilograms of straw per hectare, or approximately 92 bushels of grain and 2.7 tons of straw per acre. The grain is small, but thin husked and plump, and the plant may be grown at nearly the same altitude as barley."

54912 to 54917. HORDEUM VULGARE PALLIDUM Seringe. Poaceæ. Barley.

54912. "*Opdal egg*. A local variety of barley originated near Opdal in the central high-mountain region. It is very early ripening and of good yield under low temperature conditions and is used mostly on the border of the grain-growing area."

54913. "*Asplünd egg*. A famous new barley variety of the *hexastichum* type which was selected by a Swedish farmer at Asplünd. It is not very early ripening nor very well adapted to low temperature conditions, but under medium conditions it is superior in yield and stem stiffness to all varieties hitherto tested."

54914. "*Björneby egg*. A widely cultivated variety of barley, originated in the eastern part of Norway. It is used mostly in the lower mountain valleys."

54915. "*Dønnes egg*. An old local variety of barley originated near Dønnes in Nordland. It is very early ripening and of extremely high yield under low temperature conditions, but of only medium grain qualities."

54916. "*Maskin egg*. Selected by Doctor Christie. An early-ripening variety with very stiff stems and of high yield. The average for 1920 and 1921 was 3,640 kilograms of grain and 4,260 kilograms of straw per hectare, or approximately 67.6 bushels of grain and 1.7 tons of straw per acre. The quality of the grain is superior."

54917. "*Trysil egg*. A widely grown variety of barley, originated in the eastern part of Norway. It is used mostly in the lower mountain valleys."