

2962. HORDEUM VULGARE.**Barley.**

From Russia. Received March, 1899, through Mr. M. A. Carleton.

Sisolsk Spring barley. From Ust-Sisolsk, in Vologda government, about $61\frac{1}{2}^{\circ}$ north latitude. Mean annual temperature, 31.7° ; for the growing season (May to September, inclusive), 56.5° . Normal rainfall unknown, but during a single year it was 18 inches. Seed obtained from Mr. M. I. Tur, free of charge. Rotation of crops where seed was grown as follows: (1) Fallow without manure; (2) winter rye; (3) spring barley and oats with manure. Should be tried principally in Alaska or other extremely cold districts. Amount obtained, $\frac{3}{8}$ bushel.

2963. AVENA SATIVA.**Oat.**

From Russia. Received March, 1899, through Mr. M. A. Carleton.

Zhelannii oat. From Ust-Sisolsk, in Vologda government, about $61\frac{1}{2}^{\circ}$ north latitude. Mean annual temperature, 31.7° ; for the growing season (May to September, inclusive), 56.5° . Normal rainfall not known, but during a single year it was 18 inches. Variety grown in the region 12 years; originally obtained from Moscow. Thoroughly acclimated. The grower strongly recommends a two-days' soaking of the seed before sowing in order to hasten germination. Seed obtained from Mr. M. I. Tur, free of charge. Rotation of crops where seed was grown as follows: (1) Fallow without manure; (2) winter rye; (3) spring barley and oats with manure. Harvested season of 1898. Should be tried in Alaska and the very coldest regions of the United States. Amount obtained, $\frac{3}{8}$ bushel.