

SUB-STATIONS IN ALBERTA.

ST. BERNARD MISSION, GROUARD, ALBERTA.

R. J. Bro. Laurent, Experimentalist.

THE SEASON.

The summer and autumn of 1913 were so wet that it was impossible to prepare the land in any way for the crops of 1914 until the 18th of April, when ploughing was commenced.

Seeding was finished early in May, and a few days of warm weather caused the grain to germinate quickly. During the latter half of May the young plants suffered somewhat from the violent winds which continued without intermission until the 3rd of June. On June 4 there came a heavy rainstorm, after which the growth of cereals was rapid. Barley began to head out at the end of that month. Wheat and oats were in head by July 15.

SPRING WHEAT.

Prelude yielded 25 pounds from 5 pounds of seed, and was ripe on August 20. The threshed wheat weighs 62 pounds to the measured bushel.

Early Red Fife, sown April 30, on stubble, was ripe August 18, and gave 27 bushels per acre.

Marquis, sown May 1, on stubble, was ripe August 26, and yielded 20.25 bushels per acre. Weight of a measured bushel, 59 pounds.

Preston, sown May 1, on stubble, was ripe August 26, and yielded 28 bushels per acre.

OATS.

Eighty Day, sown April 30, was ripe on August 1. The total yield, from 4 pounds of seed, was 45 pounds, and the weight per measured bushel was 27 pounds.

Abundance was ripe on August 16. Four pounds of seed yielded 40 pounds; and the weight per measured bushel was 35.3 pounds.

Banner, sown May 2, on stubble, was ripe on August 15, and yielded 45 bushels per acre.

BARLEY.

Manchurian barley sown on the 2nd of May was ripe on the 10th of August, and yielded at the rate of 40 bushels to the acre. Weight of a measured bushel 44.8 pounds.

EXPERIMENTAL STATION, FORT VERMILION, ALBERTA.

R. Jones, Manager.

THE SEASON.

April opened with rough weather, but turned fine towards the end of the month. Seeding commenced on the 30th. May was dry, with considerable wind. June was somewhat dry, but there was enough rain to ensure a good growth of cereals. Further rains occurred early in July, but the month as a whole was dry and hot. August was quite warm and rather showery. Harvesting commenced on July 22.

SPRING WHEAT.

Nine varieties were tested in one-thirtieth acre plots, on land on which roots had been grown the previous year. The seed was sown on April 30 and May 1 at the rate of 13 bushels per acre.

The highest yield this year was given by Bishop, at the rate of 63 bushels to the acre. This variety ripened on August 12. Prelude, the earliest sort, was ripe on August 4, and yielded at the rate of 49 bushels to the acre.