

OATS.

Five varieties were sown. The plots were one-thirtieth of an acre. The previous crop was corn. The seed was sown on May 3 and 4 at the rate of 2½ bushels to the acre.

This year the highest yields were obtained from two very coarse varieties, Excelsior (black) and Tartar King. The former yielded at the rate of 120 bushels to the acre. Ligowo and Banner also gave good yields.

BARLEY.

Four varieties of six-row barley and two of two-row were tested this year in one-thirtieth acre plots, on land on which potatoes had been grown the previous year. The barley was sown on the 6th and 7th of May. The first variety to ripen was Success (beardless). This was cut on July 28, but gave the smallest yield of all the kinds tested (51 bushels 12 pounds per acre). The two-row sorts surpassed the six-row this year in yield, Canadian Thorpe being at the head (62 bushels 24 pounds per acre).

PEAS.

Two varieties of peas were sown. Arthur gave good results. It was sown on May and harvested on August 10, and gave a crop at the rate of 45 bushels per acre.

BUCKWHEAT.

Two varieties of buckwheat were tested, Silverhull and Japanese. These were sown on May 21. The Japanese was quite green when frost occurred on September 7. The Silverhull was ready to cut on August 26, and yielded at the rate of 40 bushels per acre.

EXPERIMENTAL STATION, INVERMERE, B.C.

Geo. E. Parham, Superintendent.

Arrangements have been completed to commence variety tests of cereals at this station next season. A suitable piece of land has been set apart for this purpose.

Two principal series of tests will be carried on, in one of which a greater amount of water will be applied than in the other. These experiments will include varieties of wheat, oats, barley and peas.

EXPERIMENTAL FARM, AGASSIZ, B.C.

P. H. Moore, B.S.A., Superintendent.

WEATHER.

April this year had less than three inches of rain, but seeding was commenced about the same time as usual. The first seeding was done on April 18, and all plots were sown by the night of April 22. May was comparatively dry and bright; June was wet in the fore part, and a heavy shower occurred on the 27th. From this shower in June until the grain was cut in August, there was not enough rain to settle the dust. Below we give a table showing the precipitation, temperatures, etc., during the growing season.

1914.	April.	May.	June.	July.	August. 1-6.	Totals.
Precipitation.	2.94"	3.56"	5.18"	1.15"		11.82"
Sunshine	{ 143 hrs, 54 min.	202 hrs.	176 hrs., 18 min.	246 hrs., 54 min.	41 hrs., 18 min.	810 hrs., 24 min. } average.
Highest temperature.....	72°	85°	87°	85°	86°	82.2°
Lowest temperature.....	31°	36°	41°	39°	44°	38.2°
Mean monthly temp.....	51.66°	56.28°	52.91°	62.075°	77.16°	59.99°