

Varieties recommended for Southern Saskatchewan:—

Wheat: Marquis.

Oats: Banner.

Barley: O.A.C. No. 21 and Manchurian.

Flax: Premost.

Peas: Arthur.

EXPERIMENTAL STATION, ROSTHERN, SASK.

Wm. A. Munro, B.A., B.S.A., Superintendent.

THE SEASON.

The season of 1914 opened rather slowly, alternate cold and warm spells of several days occurring from the middle of March. Seeding began on April 23, and the work was continued under favourable auspices. Occasional showers kept the crops growing and in thriving condition until early in July, but from then on, those on sandy or ill-prepared land suffered from lack of moisture. The rainfall in July of this year was the lowest for the same month since the records of this Station began.

Following is the precipitation record in inches for the past four growing seasons from April 1 to August 15:—

Month.	1911.	1912.	1913.	1914.
April.....	0.86	0.67	0.26	0.63
May.....	2.38	2.15	1.26	1.96
June.....	3.75	2.81	1.87	2.00
July.....	2.89	5.25	3.80	1.40
August 15.....	0.43	0.23	2.24	0.13
Totals.....	10.11	11.11	9.43	6.12

The yield of all grain was below the average this year. Considering the relative conditions, the yield of wheat on corn ground is higher than that on fallow, and the yield of oats on wheat ground following corn is higher than that on wheat ground following fallow.

SPRING WHEAT.

Following are the yields per acre of the principal varieties of wheat on one-fortieth acre plots, sown on April 23, 1914, and compared with the yields of 1911, 1912, 1913:—

Variety.	Days maturing.	Yield 1911.	Yield 1912.	Yield 1913.	Yield 1914.	Average 4 years.
		Bus. Lbs.	Bus. Lbs.	Bus. Lbs.	Bus. Lbs.	Bus. Lbs.
Marquis.....	103	70 —	43 20	54 —	45 20	53 10
Huron.....	105	73 20	40 40	45 20	45 40	51 15
Early Red Fife.....	105	60 —	27 20	36 —	43 10	41 38
Prelude.....	91	— —	— —	24 —	31 20	—

The average yield of Marquis wheat on eight acres of fallow in 1914 was 30 bushels 35 pounds, and the average for three years under the same conditions is 32 bushels 4 pounds.