

It should be mentioned that the yields here recorded are of marketable potatoes, as all small non-marketable potatoes were eliminated before the weights were taken. The yields are very fair and the quality of the potatoes for table use cannot be excelled. There is no doubt about the fact that excellent potatoes may be grown in the 105-Mile District on the dry-land areas, and that the growth of marketable yields as reported above will mean much to those who may eventually take up land in this district.

QUILCHENA REPORT.

PREPARATION OF THE SOIL AT QUILCHENA.

Generally speaking, the same method was followed at Quilchena as at 105-Mile House in the preparation of the land. Some 40 acres were broken during the summer of 1914. This newly broken land was thoroughly cultivated and ridged with the disk in a similar manner to that at 105-Mile House. In the spring of 1915 a stroke of the harrow reduced the ridges to the common level of the ground and our seed-bed was ready.

SPRING CONDITIONS AT QUILCHENA.

The precipitation records for Quilchena are very close to those for 105-Mile House. The figures from September 1st, 1914, to August 31st, 1915, for each farm are: Quilchena, 15.203 inches; 105-Mile House, 15.05 inches. We shall herewith submit a table showing a comparative monthly record of the precipitation at the Quilchena Station, covering the year September 1st, 1913, to August 31st, 1914, as compared with the year September 1st, 1914, to August 31st, 1915:—

Table 14.—Precipitation Table, covering Corresponding Months in 1913-14 and 1914-15.

Month.	Precipitation from Sept. 1st, 1913, to Aug. 31st, 1914.	Precipitation from Sept. 1st, 1914, to Aug. 31st, 1915.	Month.	Precipitation from Sept. 1st, 1913, to Aug. 31st, 1914.	Precipitation from Sept. 1st, 1914, to Aug. 31st, 1915.
	Inches.	Inches.		Inches.	Inches.
September	0.71	1.962	April	0.51	0.48
October	1.36	0.45	May	1.76	3.72
November	0.96	0.757	June	0.75	2.52
December	0.40	0.97	July	...	1.88
January	2.61	0.85	August	0.02	0.314
February	0.56	0.7			
March	0.7	0.59	Totals	10.34	15.203

Here again those who expected that the 1914-15 rain records would reveal a precipitation that was greatly in excess of that of 1913-14 were disappointed. As is the case at 105-Mile House, there is a larger rainfall, but not nearly as large as was anticipated. True, the records show that we had 4.863 inches more in 1914-15 than in 1913-14, yet it must be remembered that the rain recorded for Quilchena for 1913-14—viz., 10.34 inches—is an exceedingly small rainfall, and that a rainfall that is even as much as 15.203 inches is still regarded as a very limited precipitation. It is somewhat of a generally accepted fact in irrigation districts that where the precipitation falls below 20 inches it is then advisable to prepare for irrigation. This year, at Quilchena and 105-Mile House, when every one thought that we were getting such an abundance of rain that we might be classed as "wet areas," we are still approximately 5 inches below the mark where it is thought that irrigation is regarded as necessary. We shall submit the above table in the form of a diagram, so that the precipitation at the various times of the year may be more clearly seen. In the following diagram the 1913-14 precipitation will be indicated by a straight line, while that for 1914-15 will appear as a dotted line:—