

**Experimental Farm, Lacombe, Alberta.**

planted in rows two and a half feet apart, the sets being placed about a foot apart in the rows. The potatoes were planted on June 15th and were dug on October 10th.

Number.	Varieties tested.	Yield in 1907.		Number.	Varieties tested.	Yield in 1907.	
	(For one year.)	Bus.	Lbs.		(For one year.)	Bus.	Lbs.
1	Early Envoy.....	220	34	8	Early Rose.....	149	46
2	Country Gentleman. ....	215	7	9	Holborn Abundance.....	139	15
3	Everett.....	197	11	10	Canadian Beauty.....	117	55
4	Love.....	178	45	11	Burnaby Mammoth.....	116	4
5	State of Maine.....	178	37	12	American Wonder.....	113	19
6	Vermont Gold Coin.....	178	37	13	Ashleaf Kidney.....	86	36
7	Dreer's Standard.....	175	24	14	Dalmeny Beauty.....	74	16

The average crop in 1907 of the fourteen varieties of potatoes on the Experimental Farm at Lacombe, Alta., was 152 bushels, 58 lbs. per acre.

**SUMMARY.**

The results obtained from the uniform trial plots as given in this bulletin show that there are marked differences in the relative productiveness of varieties even when grown side by side under similar conditions. The results of the average crops obtained for five years indicate also that the tendency to productiveness is in many instances persistent, manifesting itself under varying conditions of soil and climate to a remarkable degree. The establishment of such facts point to the importance of farmers choosing for seed those varieties which give the heaviest crops, so that farming in Canada may thus be made more profitable.

During the past year the number of varieties under test has been further reduced by dropping some of those which have failed to come up to the high standard required. This reduction in the number tested will serve to give greater prominence to those varieties of the highest excellence.