AVERAGE YIELD ON THE EXPERIMENTAL FARM, AGASSIZ, B.C.

Number.	Varieties tested for five years.	Average yield for five years.		Yield in 1905.		Number.	Varieties tested for five years.	Average yield for five years.		Yield in 1905.	
		Bus.	Lbs.	Bus.	Lbs.			Bus.	Lbs.	Bus.	Lbs.
1	Uncle Sam	491	16	580	48	18	State of Maine	410	44	523	36
2	Seedling No. 7	472	20	624	48	19	Rowe	410	42	519	12
3	Rose No. 9	459	15	532	24	20	Early St. George	410	33	536	48
4	Reeves' Rose	452	59	523	36	21	Vick's Extra Early	397	32	404	48
5	Country Gentleman	452	19	545	36	22	Burnaby Mammoth	386	18	374	..
6	Late Puritan	449	14	699	36	23	Money Maker	385	46	431	12
7	American Wonder	447	46	629	12	24	Maule's Thoroughbred	380	31	484	..
8	Enormous	441	19	556	36	25	Delaware	375	32	448	48
9	Rochester Rose	441	6	391	36	26	Early Rose	372	59	330	..
10	Empire State	440	..	673	12	27	Penn. Manor	367	24	466	24
11	American Giant	438	26	646	40	28	Dreer's Standard	363	17	607	12
12	Cambridge Russet	435	10	469	12	29	Carman No. 3	360	8	514	48
13	Holborn Abundance	430	6	457	36	30	Irish Cobbler	352	13	523	36
14	Carman No. 1	426	12	567	36	31	Everett	346	27	296	24
15	Salzer's Elephant	417	24	484	..	32	Early Andes	343	32	396	..
16	I. X. L.	412	37	528	..	33	Canadian Beauty	342	39	352	..
17	Swiss Snowflake	410	50	292	24	34	Early White Prize	339	38	462	..

Varieties tested for less than five years.	Average yield for less than five years.		Yield in 1905.		Varieties tested for less than five years.	Average yield for less than five years.		Yield in 1905.	
	Bus.	Lbs.	Bus.	Lbs.		Bus.	Lbs.	Bus.	Lbs.
Pearce (3 yrs.)	411	45	475	12	Dooley (1 yr.)			655	36
Early Envoy (3 yrs.)	221	28	211	12	Vermont Gold Coin, (yr.)			563	12
Pingree (3 yrs.)	302	24	298	48	Morgan Seedling (1 yr.)			466	24

The average crop of the forty varieties of potatoes on the Experimental Farm at Agassiz for 1905 was 485 bushels, 51 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 points 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.

ANNUAL DISTRIBUTION OF SAMPLES OF SEED GRAIN.

Provision has been made in connection with the annual distribution of samples for the improvement of seed to have available considerable quantities of the very best and most productive sorts, so that every farmer in Canada who applies in good season (before