

EXPERIMENTAL FARM FOR BRITISH COLUMBIA, AGASSIZ, B.C.

	Per acre.			Per acre.	
	Bush.	Lbs.		Bush.	Lbs.
1. Rose, No. 9, 5 yrs.	424	..	7. Vick's Extra Early.	389	10
2. Dakota Red.	404	48	8. Houlton Rose.	385	53
3. Seedling, No. 7.	402	21	9. Clay Rose.	385	3
4. Seedling, No. 230.	398	4	10. Bill Nye, 5 yrs.	374	43
5. Carman, No. 3.	391	1	11. Reeve's Rose, 5 yrs.	373	29
6. Brown's Rot Proof.	390	15	12. Irish Daisy.	366	25

An average crop of 390 bushels 26 lbs. per acre.

The twelve varieties of potatoes which have produced the largest crops, taking the average of the results obtained on all the experimental farms for the past five to seven years, are :—

	Per acre.			Per acre.	
	Bush.	Lbs.		Bush.	Lbs.
1. Seedling, No. 230.	391	43	7. Late Puritan.	369	14
2. Everett.	390	41	8. Carman, No. 1.	367	22
3. Seedling, No. 7, 5 yrs.	386	26	9. Carman, No. 3, 5 yrs.	366	40
4. Irish Daisy.	384	56	10. Rose, No. 9, 5 yrs.	366	33
5. American Wonder.	384	6	11. Seattle.	364	43
6. American Giant.	383	17	12. Empire State.	363	11

An average crop of 376 bushels 34 lbs. per acre.

SUMMARY.

The results of the testing of varieties for another year strengthens the conclusions reached in the past as to the importance of choosing the best and most productive sorts for seed if we are to realize the largest crops. Further experience also confirms the view that there are marked and fairly constant differences in the productiveness of varieties grown side by side, under similar conditions. A few points in support of this will be cited.

Of the 41 different sorts of oats which have now been under trial for six or seven years at all the Dominion experimental farms, only 18 of these have at any time appeared in the list of the best twelve. Hence many of the same varieties appear every year in the productive list. The average crop given by these 12 best sorts for the past six or seven years has been 72 bushels 24 lbs. per acre, while the remaining 29 varieties have averaged during the same time 66 bushels 2 lbs., a difference in favour of the most productive sorts of 6 bushels 22 lbs. per acre. This receives additional significance when we recall the fact that every bushel of oats added to the average crop of the Dominion puts about one million dollars into the pockets of Canadian farmers.

In barley this constancy in productiveness is even more marked. Of the 30 different sorts which have been under trial for the past six and seven years, 10 of these have appeared in the best 12 every year for the whole period and 14 only have found their way during this time into the list of the best twelve. While the 12 most productive sorts have given an average crop for the whole period of 45 bushels 30 lbs. per acre, the remaining 22 sorts have averaged for the same period 41 bushels 45 lbs., or nearly four bushels less per acre.