

EXPERIMENTAL FARM FOR MANITOBA, BRANDON, MAN.

Per acre.		Per acre.	
Bush. Lbs.		Bush. Lbs.	
1. Claude	67 4	4. Mansfield	64 38
2. Summit	66 12	5. Argyle	63 36
3. Trooper	65 40	6. Royal	61 42

An average crop of 64 bushels 44 lbs. per acre.

EXPERIMENTAL FARM FOR THE NORTH-WEST TERRITORIES, INDIAN HEAD, N.W.T.

Per acre.		Per acre.	
Bush. Lbs.		Bush. Lbs.	
1. Reunie's Improved	69 28	4. Argyle	68 36
2. Trooper	69 8	5. Mansfield	66 32
3. Claude	69 8	6. Blue Long-head	65 40

An average crop of 68 bushels 9 lbs. per acre.

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

Per acre.		Per acre.	
Bush. Lbs.		Bush. Lbs.	
1. Baxter	40 10	4. Nugent	40 —
2. Albert	40 30	5. Mensury	38 16
3. Oderbruch	40 20	6. Argyle	37 44

An average crop of 39 bushels 33 lbs. per acre.

The six varieties of six-rowed barley which have given the largest crops in 1899, taking the average of the results obtained on all the experimental farms are :—

Per acre.		Per acre.	
Bush. Lbs.		Bush. Lbs.	
1. Argyle	55 8	4. Mensury	51 36
2. Claude	53 17	5. Trooper	51 4
3. Mansfield	52 10	6. Baxter	50 22

An average crop of 52 bushels 16 lbs. per acre.

The average crop of all the varieties of six-rowed barley tested at each of the experimental farms in 1899, was as follows : at Ottawa, 44 bushels 29 lbs. per acre ; Nappan, 44 bushels 2 lbs. ; Brandon, 54 bushels 30 lbs. ; Indian Head, 58 bushels 34 lbs. ; and at Agassiz 34 bushels 3 lbs. The average return given by the whole of the varieties at all the farms was 47 bushels 10 lbs. per acre.

TRIAL PLOTS OF SPRING WHEAT.

Fifty-two varieties of spring wheat have been grown on the uniform test plots for 1899. Among these there are thirty cross-bred sorts which have been produced at the experimental farms. These are Preston, Laurel, Vernon, Captor, Stanley, Percy, Rideau, Admiral, Beauty, Progress, Weldon, Crown, Harold, Huron, Blenheim, Alpha, Clyde, Countess, Fraser, Ebert, Crawford, Advance, Dufferin, Blair, Mason, Plumper, Early Riga, Dawn, Byron and Norval. The size of the plots in each case was the same as those of the oats, and the quantity of seed sown was in the proportion of one and one-half bushels per acre. The dates of sowing were as follows :—At Ottawa April 28 and 29 ; Nappan May 6 ; Brandon April 29 to May 1 ; Indian Head April 27 ; and at Agassiz April 15.