

The average crop of all the varieties of oats tested at each of the Experimental Farms in 1898 was as follows:—At Ottawa, 66 bushels 11 lbs. per acre; Nappan, 37 bushels; Brandon, 90 bushels 8 lbs.; Indian Head, 61 bushels 30 lbs., and at Agassiz, 52 bushels 29 lbs. The average return given by the whole of the varieties tested at all the farms was 61 bushels 22 lbs. per acre.

TRIAL PLOTS OF BARLEY.

Forty-one varieties of barley have been included in the trial plots during 1898, eighteen different sorts of two-rowed barley and twenty-three of six-rowed. Among the two-rowed sorts are included eleven hybrid varieties which have been produced at the Experimental Farms namely:—Beaver, Dunham, Leslie, Bolton, Victor, Nepean, Logan, Sidney, Paer, Kirby and Monck. Among the six-rowed sorts there are twelve of these hybrids, namely:—Pioneer, Royal, Mansfield, Empire, Argyle, Stella, Phoenix, Surprise, Nugent, Summit, Trooper and Vanguard.

The barley plots were of the same size as those sown with oats. The quantity of seed used in each case was at the rate of two bushels per acre, and the dates of sowing were as follows:—At Ottawa, 16th to 18th April; Nappan, 10th May; Brandon, 13th May; Indian Head, 4th May, and at Agassiz, on the 21st of April.

UNIFORM TEST PLOTS OF TWO-ROWED BARLEY.

Number.	NAME OF VARIETY.	Yield per Acre at the several Experimental Farms for Season of 1898.										Number of Days from Sowing to Harvesting.							
		Ottawa, Ont.		Nappan, N.S.		Brandon, Man.		Indian Head, N.W.T.		Agassiz, B.C.		Average of all Farms.		Ottawa, Ont.	Nappan, N.S.	Brandon, Man.	Indian Head, N.W.T.	Agassiz, B.C.	Average of all Farms.
		Bush.	Lbs.	Bush.	Lbs.	Bush.	Lbs.	Bush.	Lbs.	Bush.	Lbs.	Bush.	Lbs.	Days.	Days.	Days.	Days.	Days.	Days.
1	Beaver.....	55	20	40	40	57	41	37	4	39	8	46	4	191	91	102	121	103	104
2	Danish Chevalier.....	50	..	33	16	37	4	57	44	33	16	42	16	101	97	107	121	106	106
3	Canadian Thorpe.....	47	14	27	24	45	20	50	10	27	44	39	32	103	94	107	125	106	107
4	Dunham.....	46	2	32	21	62	24	43	36	29	8	42	38	103	94	105	120	103	105
5	Leslie.....	45	40	26	32	57	41	40	..	30	..	40	4	103	91	101	115	103	103
6	Prize Prolific.....	43	16	27	24	46	12	53	36	36	12	41	20	101	97	105	121	104	106
7	Bolton.....	43	6	35	..	45	40	41	12	31	12	39	14	98	94	99	120	103	102
8	Victor.....	39	8	29	8	46	32	37	24	29	8	36	16	98	91	99	120	103	102
9	Kinver Chevalier.....	38	16	25	40	49	28	53	16	40	..	41	20	101	97	113	121	106	108
10	Thaet.....	38	6	24	8	56	32	51	18	22	44	39	12	101	97	107	121	106	107
11	Nepean.....	37	34	28	16	55	20	41	32	25	..	37	30	99	94	101	121	103	103
12	French Chevalier.....	36	42	30	..	57	44	53	6	31	32	41	44	101	97	107	121	106	106
13	Newton.....	36	32	33	16	53	36	53	26	33	16	42	6	103	94	107	119	103	105
14	Logan.....	35	20	25	40	54	8	39	28	29	8	36	40	100	94	104	115	103	103
15	Sidney.....	33	36	32	24	47	24	50	..	30	40	38	44	98	97	99	121	104	103
16	Paer.....	33	6	25	40	45	40	35	30	34	8	31	44	101	91	101	121	103	104
17	Kirby.....	31	10	28	16	65	20	44	28	25	40	39	3	100	94	103	115	103	103
18	Monck.....	27	34	25	..	45	20	36	22	25	40	32	14	103	97	103	121	106	103