

TRIAL PLOTS OF BARLEY.

Fifty-one varieties of barley have been tested in the trial plots during 1899, including twenty-one different sorts of two-rowed barley and thirty of six-rowed. Among the two-rowed sorts there are fourteen hybrid varieties which have been produced at the experimental farms, namely, Sidney, Beaver, Fulton, Leslie, Monck, Nepean, Logan, Dunham, Clifford, Victor, Jarvis, Pacer, Bolton and Harvey. Among the six-rowed sorts there are seventeen of these hybrids, namely, Claude, Pioneer, Royal, Nugent, Trooper, Summit, Yale, Vanguard, Stella, Argyle, Mansfield, Garfield, Brome, Phoenix, Empire, Albert and Surprise.

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, May 1 and 2; Nappan, May 11; Brandon, May 18 and 19; Indian Head, May 24; and at Agassiz on April 25.

UNIFORM TEST-PLOTS OF TWO-ROWED BARLEY.

Number.	NAME OF VARIETY.	Yield per Acre at the several Experimental Farms for Season of 1899.						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.	Bush.	Bush.	Bush.	Bush.	Bush.	Days.	Days.	Days.	Days.	Days.	Days.
1	Sidney	50	43	16.53	6.63	36.36	49	91	105	85	104	121	101.2
2	Beaver	49	8.55	40.52	21.55	20.31	12	94	103	95	103	114	101.2
3	French Chevalier	47	21.61	8.60	10.65	40.30	53	95	104	95	105	115	102.2
4	Danish Chevalier	47	4.49	8.50	30.66	32.33	36	95	105	99	104	122	105.2
5	Canadian Thorpe	46	32.50	10.49	38.58	36.36	32	93	104	94	98	115	100.2
6	Fulton	46	32.41	8.62	4.50	32	14	89	105	92	98	115	99.2
7	Leslie	45	10.11	8.55	55	10.33	26	89	105	92	95	114	99.2
8	Monck	45	20.17	24.46	2.48	36.30	40	95	105	92	105	121	103.2
9	Nepean	45	20.50	40.58	16.50	35	40	89	105	82	98	115	99.2
10	Logan	45	20.41	8.68	6.19	8.35	40	89	105	82	95	114	98.2
11	Dunham	45	45	40.63	36.57	1.34	8	90	105	88	98	115	99.2
12	Clifford	44	28.50	10.56	32.49	28.34	8	89	105	89	98	114	99.2
13	Victor	44	28.47	24.59	28.53	16.34	2	90	105	88	98	114	99.2
14	Jarvis	44	8.51	32.55	10.51	12.35	47	89	105	89	98	115	99.2
15	Pacer	41	42.40	10.47	24.15	20.30	20	89	103	92	98	123	101.2
16	Bolton	38	16.44	8.62	4.58	16.33	16	89	103	88	98	115	98.2
17	Kimber Chevalier	35	20.44	8.56	12.55	29	8	98	105	99	113	121	107.2
18	Improved Thane	33	16.41	32.44	18.57	4.23	36	98	105	92	113	123	106.2
19	Newton	30	40.57	24.61	2.43	16.39	8	98	105	95	98	114	102.2
20	Harvey	30	53	16.64	28.49	28.35	46	89	104	92	98	115	99.2
21	Prize Prolific	28	36.42	24.56	22.56	32.30	40	99	105	99	113	121	105.2