

2016 Winter Malting Barley Regional Trial Summary – Cornell University

Entry	Row	Grain Yield (kg/h)							Test Weight kg/hl	Lodg. 0-9	Height cm	Head Date	Wint Surv %	FHB Inc %	FHB Sev %	FHB Index (%)	FHB Rank	FHB DON ppm	PHS Score 0-9	Leaf Rust %	Powdery Mildew %	Scald %	Kerne Wt (mg)	on 6/64" (%)	Malt Ext (%)	Barley Protein (%)	Beta DP ASBC	Glucan ppm	FAN ppm	Qual Score			
		Regional Locations																															
		Sny	lth	Ket	Ont	Co	Gen	Co																							Mean	b/a	Rank
1	Charles	2	3913	2011	Ont	7279	4401	82	17	62.2	18	N	58	5/21	94	35	11	4	9	NA	4.1	6.6	0.0	10.8	31.0	96	86	7.6	92	158	146	29	
2	Saturn*	6	5308	3427	4629	9213	5644	105	1	62.3	16	O	71	5/23	98	42	11	5	11		0.6	0.0	0.0	0.0	34.6	93	78	7.7	79	486	80	24	
3	10467r2	6	5182	3032	6021	9315	5887	109	2	66.6	3	N	74	5/23	95	27	8	2	5		1.5	0.0	0.0	0.0	34.0	95	82	7.1	76	68	117	36	
4	KWS Scala	2	4659	2371	5854	9138	5506	102	7	64.4	14	E	61	5/22	98	40	10	4	10		2.8	0.0	0.0	15.2	38.8	97	84	8.1	123	34	123	44	
5	SY Tepee (209-66)	2	4466	2142	4826	9045	5120	95	11	66.1	6		66	5/22	98	53	11	6	13		4.1	0.0	0.0	0.0	35.9	96	83	7.7	100	28	128	33	
6	SY Mezmaar (209-72)	2	4700	2435	5003	8137	5069	94	9	66.6	2		71	5/24	94	65	10	7	14		0.3	0.0	0.0	0.0	34.4	91	83	7.7	99	105	92	23	
7	Endeavor	2	4171	2051	5502	7187	4728	88	18	68.2	1		72	5/23	74	13	8	1	2		1.7	0.0	0.0	1.0	30.7	90	84	7.9	92	98	149	34	
8	WintMalt	2	5182	2103	3992	7728	4751	88	14	65.4	9		63	5/25	96	50	13	7	15		0.7	0.0	0.0	4.8	39.0	98	84	8.0	90	40	111	34	
9	6Ab08-X03W012-5	6	4187	2610	4999	7815	4903	91	15	65.2	11		82	5/24	93	30	11	3	8		1.4	0.5	2.5	0.0	28.9	77	81	8.0	106	143	120	30	
10	02Ab671	2	4079	2337	4136	7271	4456	83	16	65.7	7		59	5/24	93	28	7	2	4		5.8	0.5	1.0	1.0	29.9	93	85	7.5	78	108	128	32	
11	Nectararia	2	4308	2343	4179	8144	4744	88	13	65.1	12		67	5/23	100	43	12	5	12		1.5	0.0	3.0	0.0	40.3	97	84	8.2	102	209	110	33	
12	AC 07/041/8 (Flavia)	2	4971	2614	5523	9460	5642	105	3	66.4	4		60	5/23	98	13	7	1	1		2.5	0.0	0.0	1.8	39.3	98	83	7.9	86	53	102	33	
13	KWS Somerset	2	4998	2706	5768	8480	5488	102	5	65.3	10		69	5/23	96	67	13	8	16		4.5	0.0	0.0	0.2	37.3	98	83	8.3	91	38	98	38	
14	KWS2-430	2	5177	2442	5576	8632	5457	101	4	66.2	5		70	5/22	95	33	9	3	7		5.5	0.0	0.0	0.2	42.1	98	84	8.2	109	36	113	42	
15	06-OR-9	6	4845	2949	5631	8429	5463	102	6	62.2	17		77	5/26	97	60	15	9	17		3.3	0.0	2.0	0.0	32.8	94	82	8.1	84	140	102	38	
16	2011-F5-141-5	6	4740	2871	4887	7992	5122	95	8	64.0	15		64	5/24	100	57	18	10	18		3.2	0.0	0.0	0.0	25.6	79	80	7.9	88	136	119	31	
17	MW11S3029-010	6	4660	2751	5218	8091	5180	96	10	64.9	13		88	5/18	96	13	9	1	3		3.5	2.8	2.3	0.0	25.2	61	81	8.1	105	130	131	26	
18	MW11S3034-006	6	4121	2552	5217	8366	5064	94	12	65.6	8		77	5/16	96	23	10	2	6		0.9	1.5	3.7	0.0	26.7	67	81	8.6	108	106	135	28	
Mean			4648	2542	5544	8318	5146	96		65.1			69	5/22	95	39	11	4			2.7	0.7	0.8	1.9									
CV			6.1	11.5	16.4	17.1																											

* feed barley

Cumulative Summary		Grain Yield							Test Wt(2Yr)	Lodg	Height	Head	Wint	Inc	Sev	Index	PHS	Kernel Wt (mg)	on 6/64" (%)	Malt Ext (%)	Protein (%)	DP (ASBC)	Glucan ppm	FAN ppm	Qual Score	
Entry	Row	4 Year		3 Year		2 Year																				
		kg/h	b/a	kg/h	b/a	kg/h	b/a																			
1	Charles	2	2972	55	2940	55	3352	62	58.7	45.9	2.3	55	5/28	89	49	12.5	6	4.1	33.9	96.0	84.4	8.4	103	201	202	37
2	Saturn*	6	4326	80	4254	79	4757	88	60.0	46.8	1.3	63	5/27	96	57	13.5	8	0.6	37.1	95.0	77.2	8.1	89	608	113	22
3	10467r2	6	3885	72	3815	71	4464	83	64.3	50.2	1.3	67	5/26	92	48	12.8	7	2.2	36.0	96.2	82.2	7.8	94	92	167	41
4	KWS Scala	2	3540	66	3623	67	4245	79	62.2	48.6	1.2	59	5/29	94	58	13.3	8	2.3	43.3	98.2	83.0	9.2	128	43	172	52
5	SY Tepee (209-66)	2	3555	66	3539	66	4077	76	63.2	49.4	1.3	60	5/28	95	67	15.7	11	2.4	39.9	97.0	82.6	7.8	114	28	181	45
6	SY Mezmaar (209-72)	2	3506	65	3484	65	3981	74	63.3	49.5	1.0	65	6/2	87	72	12.2	9	0.9	37.2	92.7	82.3	8.3	98	79	145	34
7	Endeavor	2	3520	65	3540	66	4052	75	65.4	51.1	1.3	67	5/27	80	43	10.7	5	3.7	31.7	90.0	82.1	8.0	87	409	173	33
8	WintMalt	2	2903	54	2944	55	3667	68	62.3	48.7	0.8	59	6/1	90	68	15.5	11	1.1	39.4	97.9	82.1	8.5	92	65	169	39
9	6Ab08-X03W012-5	6			3975	74	4168	77	63.2	49.4	1.3	78	5/26	94	58	15.8	10	2.0	31.4	86.6	80.2	8.2	107	254	163	34
10	02Ab671	2			3086	57	3616	67	63.1	49.3	1.3	60	5/30	93	57	12.7	9	5.7	30.7	92.6	84.7	7.8	86	81	183	40
11	Nectararia	2					3713	69	62.8	49.1	0.8	60	5/27	92	53	13	7	2.6	33.2	97.3	82.5	8.7	117	295	166	39
12	AC 07/041/8 (Flavia)	2					4421	82	63.3	49.4	1.2	55	5/26	90	43	10.8	6	2.9	42.3	98.1	82.4	8.5	95	61	151	46

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