

2015 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	Kernel Wt (mg)	on 6/64" (%)	Malt Ext (%)	Barley Protein (%)	DP (ASBC)	Beta		Qual Score													
		Regional Locations																								Rank	Rank		Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank
		lth-Hel	lth-Ket	MontCo	GenCo	Mean	bu/ac	Rank	Rank																																
1	Charles	2	2074	2891	1531	2713	2302	43	21	55.3	21	4.5	52	6/3	84	63	14	9	4		4.1	36.7	96.5	83.2	9.2	113	244	258	45												
2	Saturn*	6	3572	3621	3659	4628	3870	72	1	57.6	18	2.5	56	5/30	95	72	16	11	8		0.6	39.7	97.1	*76.6	8.6	99	730	146	19												
3	10467p2	6	2449	3029	3664	3324	3116	58	5	61.0	6	2.2	57	5/29	93	77	18	14	15		1.5	36.6	97.6	81.6	8.8	92	79	234	45												
4	10467r2	6	2556	3075	3352	3182	3041	57	6	61.9	2	2.7	60	5/28	88	68	17	12	10		2.8	38.1	97.6	82.0	8.6	112	116	216	45												
5	10467r4	6	2290	2844	2139	2902	2544	47	19	59.3	16	2.8	55	5/29	83	82	22	18	21		4.1	37.2	95.8	79.6	9.7	106	417	212	44												
6	03/220/158	6	2267	2353	4034	2422	2769	51	13	59.5	15	3.5	55	6/5	92	98	33	33	22		0.3	38.6	96.7	80.9	9.5	141	566	192	49												
7	KWS Scala	2	2670	2516	3552	3198	2984	55	8	60.0	12	2.3	57	6/5	91	75	17	13	13	0.3	1.7	47.8	99.0	81.6	10.3	132	51	221	59												
8	SY Tepee (209-66)	2	2567	3133	3355	3077	3033	56	7	60.3	9	2.5	54	6/3	92	80	20	16	19	0.4	0.7	43.9	98.2	82.5	7.9	128	28	234	56												
9	SY Mezmar (209-72)	2	2056	2636	3067	3815	2894	54	10	60.1	11	2.0	59	6/10	80	78	14	11	9	0.5	1.4	39.9	94.5	81.9	8.9	97	52	198	45												
10	Endeavor	2	2973	3227	4073	3228	3375	63	3	62.6	1	2.7	62	5/31	87	73	13	10	5	0.4	5.8	32.7	90.2	80.1	8.1	82	720	197	31												
11	WintMalt	2	1891	1726	3126	3591	2583	48	18	59.2	17	1.7	56	6/7	85	85	18	15	17		1.5	39.7	98.2	80.5	9.0	94	90	228	43												
12	6Ab08-X03W012-5	6	2838	3019	4109	3767	3433	64	2	61.1	5	2.7	74	5/28	94	85	21	18	20		2.5	33.8	95.9	79.9	8.5	109	365	205	37												
13	02Ab431	2	2254	3048	2216	2946	2616	49	17	59.9	13	3.8	61	6/6	85	70	17	12	11		4.5	34.7	92.4	81.9	9.2	93	120	257	44												
14	02Ab671	2	2619	2697	2644	3147	2777	52	12	60.5	7	2.7	61	6/5	92	85	19	16	18		5.5	31.6	91.9	84.3	8.1	94	54	238	48												
15	2Ab08-X05W061-208	2	2620	2570	2872	3164	2807	52	11	54.3	22	3.5	52	6/12	91	57	11	6	1		3.3	29.7	91.9	80.9	8.7	99	144	203	41												
16	KWS Stella	2	2361	2224	3589	2601	2694	50	14	61.5	3	1.0	57	5/28	74	70	18	12	12		3.2	44.8	98.8	82.6	9.2	110	31	218	53												
17	2Ab08-X05W061-216	2	2444	2551	2245	2897	2534	47	20	56.7	20	4.8	57	6/6	86	68	19	13	14		3.5	33.2	91.6	82.5	8.7	106	240	252	45												
18	02Ab669	2	2190	2391	2869	3288	2685	50	15	59.8	14	3.0	65	6/7	80	85	18	15	16		6.3	34.1	93.0	82.3	8.3	85	53	247	48												
19	Nectararia	2	1973	2713	3675	2370	2683	50	16	60.5	8	1.5	54	5/30	83	63	14	9	3		3.7	26.1	97.5	81.3	9.3	131	382	222	44												
20	AC 07/041/33	2	2653	2765	3399	2983	2950	55	9	61.4	4	3.3	52	5/28	83	68	13	9	2		1.1	45.5	98.8	82.5	8.8	96	112	211	45												
21	AC 07/041/8 (Flavia)	2	2811	2564	4315	3113	3201	59	4	60.1	10	2.3	50	5/29	82	73	15	11	7		3.2	45.2	98.6	81.7	9.1	104	68	200	58												
22	AC 07/022/2	2	1265	2055	1801	2455	1894	35	22	57.3	19	3.2	56	6/2	40	67	15	10	6		0.9	45.0	97.8	81.4	9.1	101	72	233	57												
Mean			2427	2711	3149	3128	2854	53		59.5		2.8	57	6/2	85	75	17	13			2.8	37.9	95.9	81.7	8.9	106	215	219													
CV			10.2	10.4	12.8	15.2																																			

* feed barley

Entry		Row		Grain Yield								Lodg	Height	Head	Wint	Kernel Wt	on 6/64"	Malt Ext	Barley Protein	DP	Beta Glucan	FAN	Qual Score													
				4 Year				3 Year																Test Wt(2Yr)		0-9	cm	Date	Surv	2 Yr	2 Yr	2 Yr	2 Yr	2 Yr	2 Yr	2 Yr
				kg/h	b/a	kg/h	b/a	kg/h	b/a	kg/hl	lb/b													2 Yr	2 Yr											
1	Charles	2	2972	55	2496	46	2209	41	56.2	43.9	3.5	51	6/3	63	38.8	96.7	82.8	9.8	102	191	244	47														
2	Saturn*	6	4831	90	3886	72	3559	66	57.7	45.0	1.9	55	5/31	66	40.2	96.8	76.5	9.2	91	730	139	17														
3	10467p2	6	4271	79	3243	60	2992	56	60.1	47.0	1.6	53	5/29	69	36.7	96.2	80.3	10.0	94	175	200	37														
4	10467r2	6	4266	79	3217	60	2779	52	60.9	47.6	1.8	55	6/1	57	39.1	97.3	82.0	9.7	106	101	212	46														
5	10467r4	6	4071	76	3020	56	2438	45	54.7	42.7	2.2	53	5/31	53	38.1	96.4	80.5	9.7	94	228	201	43														
6	03/220/158	6	4010	75	2972	55	2737	51	58.5	45.7	2.5	53	6/6	66	38.6	96.4	80.5	9.9	127	379	182	40														
7	KWS Scala	2	3829	71	2885	54	2681	50	58.7	45.9	1.4	56	6/4	68	46.6	99.0	81.2	10.3	99	57	224	55														
8	Sy Tepee (SY209-66)	2	3904	73	3034	56	2748	51	59.6	46.6	1.6	52	6/5	62	46.2	98.3	81.2	10.2	142	36	212	58														
9	SY Mezmar(209-72)	2	3863	72	2985	55	2691	50	59.5	46.5	1.6	57	6/8	53	42.1	95.3	81.6	9.0	84	56	184	41														
10	Endeavor	2			3117	58	2945	55	62.3	48.6	2.2	63	6/3	62	34.3	88.7	81.0	9.1	84	483	208	35														
11	WintMalt	2			2287	43	2040	38	53.2	41.5	1.1	54	6/8	56	42.6	98.2	79.7	10.2	79	65	260	49														
12	6Ab08-X03W012-5	6					3511	65	60.9	47.6	2.2	71	5/29	74	34.8	93.4	79.5	9.3	112	291	193	35														
13	02Ab431	2					2205	41	54.5	42.6	2.8	58	6/3	51	36.8	93.4	82.0	9.5	74	85	264	47														
14	02Ab671	2					2402	45	54.2	42.4	2.1	58	6/6	59	34.5	93.8	83.0	8.9	78	73	236	48														
15	2Ab08-X05W061-208	2					2471	46	51.0	39.9	2.9	47	6/8	64	33.1	92.3	81.8	9.0	79	156	209	41														

M.E. Sorrells, D. Benscher, J. Shiffer, J. Tanaka - Department of Plant Breeding & Genetics, Cornell University

Acknowledgement of Funding Sources:

- New York State Ag & Markets
- Genesee Valley Regional Marketing Authority
- New York Farm Viability Institute