

**Table 6.** Experimental sugar beet variety root yield, sugar content, root quality, and recoverable sugar from varieties entered in the trial at Malheur Experiment Station, Oregon State University, Ontario, OR, 2001. November 16, 2001.

VARIETY	Root <sup>1</sup> Yield (T/A)	Sugar Content (%)	Gross Sugar (lbs/A)	Conduc- tivity (mmhos)	Extrac- tion (%)	Estimated		Curly Top Rating 2001
						Recoverable Sugar (lbs/T)	(lbs/A)	
<b>ACH Seeds</b>								
ACH Mustang <sup>2</sup>	47.45	17.31	16423	0.658	86.26	298.6	14167	5.1
Crystal 0002	47.10	17.32	16316	0.671	86.09	298.2	14047	6.1
Crystal 0003	46.25	17.87	16528	0.619	86.87	310.5	14359	4.6
Crystal 9908 <sup>3</sup>	43.32	17.55	15208	0.679	86.02	302.0	13082	5.8
Crystal C111 <sup>3</sup>	43.53	17.24	15013	0.666	86.14	297.1	12934	4.6
<b>Betaseed</b>								
Beta 1YK0011 <sup>3</sup>	40.14	18.21	14616	0.649	86.54	315.2	12650	4.9
Beta 1YK0012 <sup>3</sup>	43.23	18.02	15577	0.600	87.13	314.0	13574	5.3
Beta 1YK0013 <sup>3</sup>	43.20	17.69	15278	0.623	86.79	307.0	13258	4.9
Beta 7CG5936	50.41	17.67	17810	0.574	87.41	308.9	15568	5.1
Beta 7CG6000	51.78	17.24	17836	0.624	86.68	298.8	15460	4.2
Beta 7KJ5073 <sup>3</sup>	45.20	17.64	15939	0.655	86.36	304.6	13765	4.8
Beta 8757 <sup>2</sup>	45.43	17.33	15738	0.692	85.82	297.4	13505	5.2
Beta 8CG7299 <sup>3</sup>	44.57	17.83	15883	0.690	85.93	306.4	13647	5.3
Beta 8KG6976	48.91	17.68	17298	0.601	87.07	307.9	15061	4.9
<b>Hilleshog Mono Hy</b>								
HM 2983RZ <sup>3</sup>	47.85	17.26	16500	0.610	86.87	299.9	14329	5.4
HM 2984RZ <sup>3</sup>	46.63	17.43	16258	0.607	86.94	303.1	14140	4.8
HM Owyhee <sup>2</sup>	48.20	17.66	17014	0.583	87.29	308.3	14850	4.3
HM PM21 <sup>2</sup>	47.11	17.44	16423	0.583	87.24	304.4	14325	4.4
<b>Holly Hybrids-Spreckels</b>								
00HX011RZM <sup>3</sup>	45.41	17.41	15812	0.526	87.98	306.6	13912	5.8
00HX035RZM <sup>3</sup>	43.73	18.19	15905	0.534	88.00	320.2	13998	6.2
00HX32	47.24	16.99	16045	0.694	85.72	291.3	13751	4.2
00HX33	44.60	17.72	15795	0.575	87.40	309.8	13804	5.5
01HX004RZM <sup>3</sup>	50.58	16.46	16737	0.693	85.63	282.5	14217	4.1
01HX029	48.30	17.15	16537	0.609	86.85	297.9	14361	6.3
01HX047	41.19	17.97	14790	0.629	86.75	311.8	12828	5.4
Phoenix RZM <sup>3</sup>	49.13	16.86	16547	0.676	85.94	289.8	14223	5.3
<b>Seedex</b>								
SX1516	48.75	17.43	16987	0.548	87.69	305.6	14894	4.8
SX1517 <sup>3</sup>	50.21	17.17	17243	0.708	85.58	293.9	14758	4.7
SX1518	44.90	17.96	16134	0.624	86.81	311.7	14008	5.0
Susceptible Check								6.9
US 41 (Resistant Check)								4.7
LSD (0.05)	2.68	0.34	936	0.033	0.46	7.0	825	
LSD (0.10)	2.24	0.29	784	0.027	0.38	5.9	692	
CV (%)	5.8	2.0	5.8	5.2	0.5	2.3	5.9	
Pr>F	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	

When comparing yields or sugars of two varieties, the values must differ by a value equal to or greater than the LSD (0.05) given at the bottom of each column to be considered statistically different in this test.

<sup>1</sup> Root yields have been tared 5%.

<sup>2</sup> Commercial check varieties.

<sup>3</sup> Entered as a rhizomania resistant variety.