

**Table 7.** Summary of the University of Idaho and Oregon State University commercial sugarbeet variety trials at three locations, 2001<sup>1</sup>. November 16, 2001.

VARIETY	Root <sup>2</sup>	Sugar	Gross	Conduc-	Extrac-	Estimated		Curly Top Ratings <sup>3</sup>				
	Yield (T/A)	Content (%)	Sugar (lbs/A)	tivity (mmhos)	tion (%)	Recoverable (lbs/T)	Sugar (lbs/A)	1997	1998	1999	2000	2001
<b>ACH Seeds</b>												
ACH Mustang	40.82	16.85	13782	0.763	84.77	286.0	11703	3.8	3.5	4.5	-	5.1
ACH Tomcat	41.36	16.88	14013	0.759	84.83	286.7	11915	3.8	3.4	4.4	-	4.2
Crystal 9906 <sup>4,5</sup>	38.16	16.89	12934	0.742	85.05	287.7	11026	-	-	-	-	5.1
<b>Betaseed</b>												
Beta 4035R <sup>4</sup>	41.52	16.36	13643	0.825	83.84	274.8	11474	4.6	3.9	5.4	-	5.0
Beta 4470R <sup>4</sup>	36.36	17.27	12563	0.782	84.61	292.4	10638	-	3.6	5.1	-	5.8
Beta 4490R <sup>4</sup>	41.55	16.48	13721	0.803	84.16	277.8	11573	-	-	4.6	-	4.8
Beta 8118	39.18	17.39	13642	0.742	85.17	296.3	11629	3.9	2.9	4.4	-	4.7
Beta 8220B	46.19	16.74	15495	0.767	84.70	283.8	13152	-	3.1	4.6	-	4.8
Beta 8348	40.83	17.22	14057	0.760	84.89	292.4	11939	4.0	4.8	5.2	-	6.2
Beta 4546 <sup>5</sup>	37.79	17.34	13113	0.757	84.97	294.7	11149	-	-	-	-	5.6
Beta 8757	40.45	17.04	13816	0.768	84.75	289.1	11728	4.2	3.4	4.6	-	5.2
Beta 8919	39.04	17.77	13901	0.702	85.76	304.9	11934	3.6	3.6	5.2	-	5.0
<b>Hillehog Mono Hy</b>												
HM 1642	40.59	17.47	14206	0.696	85.78	300.0	12201	-	-	4.9	-	5.0
HM 2980RZ <sup>4</sup>	42.64	17.02	14530	0.768	84.75	288.5	12329	-	-	4.9	-	4.7
HM Oasis	42.37	16.93	14372	0.670	86.02	291.3	12373	3.8	3.3	4.2	-	4.7
HM Owyhee	42.86	17.17	14746	0.677	85.97	295.4	12691	2.9	3.1	4.2	-	4.3
HM PM21	40.82	17.29	14130	0.653	86.32	298.6	12202	3.6	3.6	4.6	-	4.4
<b>Holly Hybrids-Spreckels</b>												
HH 120	41.11	17.17	14132	0.803	84.31	289.7	11935	-	3.7	5.9	-	5.6
HH 125 (HH97HX706)	38.93	17.87	13927	0.644	86.53	309.4	12060	-	3.8	5.9	-	5.8
<b>Seedex</b>												
SX Blazer	38.42	17.08	13140	0.713	85.48	292.3	11245	4.1	3.0	4.4	-	5.1
SX Cascade(SX 1515)	41.34	16.85	13982	0.656	86.17	290.7	12071	-	-	4.1	-	5.2
SX Puma	42.58	17.12	14596	0.642	86.42	296.1	12623	-	-	4.3	-	4.7
Susceptible Check								6.1	5.5	6.4	-	6.9
US 41 (Resistant check)								4.2	3.6	4.7	-	4.7
LSD (0.05)	1.32	0.28	479	0.038	0.01	6.2	426					
LSD (0.10)	1.11	0.24	402	0.032	0.01	5.2	358					
CV (%)	5.7	2.9	6	9.1	1.1	3.7	6.3					
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> All entries are commercial seed obtained locally.

Locations: Aberdeen, Idaho; Jerome County, Idaho; Ontario, Oregon.

<sup>2</sup> Root yields have been tared 5%.

<sup>3</sup> Curly Top Ratings: 0 = no curly top symptoms; 9 = plants killed. To calculate and compare the average curly top resistance of two or more varieties, use only those years data in which the compared varieties all have ratings.

The Beet Sugar Development Foundation's 2000 Curly Top test results are omitted due to inconsistent ratings; a result of severe stand loss at cultivation.

<sup>4</sup> Entered as a rhizomania resistant variety.

<sup>5</sup> Entered as a rhizoctonia resistant variety.