

**Table 8.** Summary of the University of Idaho and Oregon State University commercial sugarbeet variety trials at six locations, 2000 and 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	39.27	17.23	13548	0.751	85.00	293.1	11527	3.8	3.5	4.5	-	5.1
ACH Tomcat	39.01	17.02	13312	0.758	84.86	289.1	11315	3.8	3.4	4.4	-	4.2
<b>Betaseed</b>												
Beta 4035R <sup>4</sup>	40.25	16.57	13386	0.795	84.28	279.6	11304	4.6	3.9	5.4	-	5.0
Beta 4470R <sup>4</sup>	35.84	17.36	12448	0.778	84.67	294.1	10547	-	3.6	5.1	-	5.8
Beta 4490R <sup>4</sup>	39.41	17.00	13408	0.767	84.74	288.4	11376	-	-	4.6	-	4.8
Beta 8118	36.73	17.61	12941	0.726	85.41	300.9	11054	3.9	2.9	4.4	-	4.7
Beta 8220B	43.43	17.01	14788	0.746	85.02	289.4	12584	-	3.1	4.6	-	4.8
Beta 8348	39.47	17.27	13647	0.711	85.54	295.5	11670	4.0	4.8	5.2	-	6.2
Beta 8757	39.45	17.30	13665	0.758	84.93	294.0	11613	4.2	3.4	4.6	-	5.2
Beta 8919	37.64	18.01	13576	0.699	85.83	309.3	11663	3.6	3.6	5.2	-	5.0
<b>Hilleshog Mono Hy</b>												
HM 1642	38.11	17.67	13474	0.671	86.14	304.5	11607	-	-	4.9	-	5.0
HM 2980RZ	40.66	17.26	14040	0.762	84.87	293.1	11922	-	-	4.9	-	4.7
HM Oasis	40.55	17.13	13914	0.648	86.34	295.9	12016	3.8	3.3	4.2	-	4.7
HM Owyhee	39.83	17.39	13870	0.654	86.31	300.2	11975	2.9	3.1	4.2	-	4.3
HM PM21	39.10	17.55	13730	0.619	86.80	304.7	11920	3.6	3.6	4.6	-	4.4
<b>Holly Hybrids-Spreckels</b>												
HH 120	39.69	17.39	13819	0.784	84.60	294.5	11702	-	3.7	5.9	-	5.6
<b>Seedex</b>												
SX Blazer	37.25	17.30	12901	0.705	85.62	296.4	11054	4.1	3.0	4.4	-	5.1
SX Puma	41.03	17.40	14285	0.615	86.81	302.3	12404	-	-	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)	0.93	0.20	342	0.027	0.38	4.4	308					
LSD (0.10)	0.78	0.17	287	0.022	0.32	3.7	259					
CV (%)	5.9	2.9	6.2	9.2	1.1	3.7	6.6					
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: 2000: Aberdeen, Idaho; Cassia County, Idaho; Ontario, Oregon.

2001: 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.