

Table 5. Field performance of experimental sugarbeet varieties in the University of Idaho variety trial at the Aberdeen R & E Center, Aberdeen, Idaho, 2001. November 16, 2001.

VARIETY	Root ¹ Yield (T/A)	Sugar Content (%)	Gross Sugar (lbs/A)	Conduc- tivity (mmhos)	Extrac- tion (%)	Estimated Recoverable Sugar		Curly Top Rating 2001
						(lbs/T)	(lbs/A)	
ACH Seeds								
ACH Mustang ²	37.10	15.91	11810	0.862	83.28	265.1	9838	5.1
Crystal 0002	38.74	16.80	13022	0.812	84.13	282.7	10961	6.1
Crystal 0003	36.71	16.87	12383	0.718	85.38	288.2	10574	4.6
Crystal 9908 ³	39.67	16.44	13038	0.894	82.95	272.9	10819	5.8
Crystal C111 ³	37.27	15.71	11690	0.814	83.86	263.7	9808	4.6
Betaseed								
Beta 1YK0011 ³	37.70	16.39	12359	0.844	83.61	274.1	10340	4.9
Beta 1YK0012 ³	37.92	16.29	12353	0.848	83.56	272.3	10324	5.3
Beta 1YK0013 ³	37.22	16.11	11999	0.849	83.48	269.1	10027	4.9
Beta 7CG5936	40.26	16.75	13491	0.799	84.29	282.5	11374	5.1
Beta 7CG6000	41.79	15.77	13179	0.894	82.82	261.2	10922	4.2
Beta 7KJ5073 ³	40.91	16.37	13387	0.892	82.97	271.9	11113	4.8
Beta 8757 ²	39.08	16.63	12985	0.833	83.80	279.0	10887	5.2
Beta 8CG7299 ³	35.95	16.97	12189	0.809	84.20	285.9	10268	5.3
Beta 8KG6976	39.67	16.87	13391	0.816	84.09	283.8	11263	4.9
Hilleshog Mono Hy								
HM 2983RZ ³	35.83	15.87	11364	0.808	83.97	266.8	9549	5.4
HM 2984RZ ³	39.22	16.41	12868	0.718	85.29	280.0	10980	4.8
HM Owyhee ²	38.91	16.55	12882	0.798	84.27	279.0	10864	4.3
HM PM21 ²	37.41	16.93	12663	0.668	86.05	291.4	10897	4.4
Holly Hybrids-Spreckels								
00HX011RZM ³	33.46	17.16	11484	0.666	86.12	295.6	9893	5.8
00HX035RZM ³	32.50	17.52	11391	0.688	85.91	301.1	9788	6.2
00HX32	38.40	15.57	11948	0.969	81.74	254.8	9775	4.2
00HX33	34.20	16.49	11287	0.823	83.91	276.9	9479	5.5
01HX004RZM ³	38.49	14.65	11298	1.076	80.05	235.0	9067	4.1
01HX029	36.40	16.72	12175	0.763	84.77	283.5	10322	6.3
01HX047	34.03	16.81	11446	0.755	84.88	285.5	9722	5.4
Phoenix RZM ³	38.26	15.46	11828	0.963	81.82	253.1	9682	5.3
Seedex								
SX1516	38.09	16.82	12815	0.656	86.19	290.1	11047	4.8
SX1517 ³	38.63	16.27	12565	0.887	83.02	270.2	10433	4.7
SX1518	37.05	16.29	12069	0.882	83.09	270.7	10035	5.0
Susceptible Check								6.9
US 41 (Resistant Check)								4.7
LSD (0.05)	1.88	0.56	693	0.083	1.23	12.9	664	
LSD (0.10)	1.57	0.47	580	0.070	1.03	10.8	557	
CV (%)	5.0	3.4	5.7	10.2	1.5	4.7	6.5	
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.

Planted April 24, 2001; Harvested October 9-10, 2001.

¹ Root yields have been tared 5%.

² Commercial check varieties.

³ Entered as a rhizomania resistant variety.