

Table 10. Summary of combined results from the **2001 and 2002 JEROME COMMERCIAL**¹ Sugarbeet Variety Trials conducted at **BINGHAM FARMS, JEROME**, Idaho.

VARIETY	Root ²	Sugar	Gross	Conduc-	Extrac-	Estimated		Curly Top Ratings ³				
	Yield (T/A)	Content (%)	Sugar (lbs/A)	tivity (mmhos)	tion (%)	Recoverable Sugar (lbs/T)	(lbs/A)	1998	1999	2000	2001	2002
ACH Seeds												
ACH Mustang	37.90	16.69	12652	0.816	84.05	280.8	10642 def ^z	3.5	4.5	-	5.1	3.7
Betaseed												
Beta 4035R ⁴	38.43	16.38	12606	0.865	83.33	273.1	10517 efg	3.9	5.4	-	5.0	4.2
Beta 4490R ⁴	39.59	16.43	13009	0.821	83.93	276.0	10923 cde	-	4.6	-	4.8	3.8
Beta 8118	36.77	17.36	12760	0.780	84.66	294.1	10807 def	2.9	4.4	-	4.7	3.2
Beta 8220B	41.55	16.40	13659	0.840	83.66	274.7	11446 ab	3.1	4.6	-	4.8	3.5
Beta 8348	39.90	17.03	13597	0.838	83.82	285.7	11405 abc	4.8	5.2	-	6.2	4.6
Beta 8757	36.53	16.83	12311	0.810	84.16	283.5	10369 fg	3.4	4.6	-	5.2	3.8
Beta 8919	35.61	17.63	12572	0.770	84.83	299.2	10677 def	3.6	5.2	-	5.0	3.8
Hilleshog/Syngenta												
HM 1642	36.32	17.32	12590	0.747	85.09	295.0	10719 def	-	4.9	-	5.0	4.1
HM 2980RZ ⁴	41.49	16.96	14072	0.807	84.22	285.8	11856 a	-	4.9	-	4.7	4.6
HM Oasis	39.15	16.55	12983	0.727	85.18	282.1	11068 bcd	3.3	4.2	-	4.7	2.9
HM Owyhee	39.23	16.61	13040	0.765	84.70	281.6	11058 bcd	3.1	4.2	-	4.3	3.3
HM PM21	37.86	17.04	12929	0.698	85.68	292.1	11088 bcd	3.6	4.6	-	4.4	3.1
Holly Hybrids-Spreckels												
HH 120	38.45	16.69	12832	0.856	83.51	279.1	10729 def	3.7	5.9	-	5.6	4.0
HH 125 ⁵	37.23	17.91	13348	0.717	85.59	306.7	11434 ab	3.8	5.9	-	5.8	4.6
Seedex												
SX Blazer	35.24	16.90	11897	0.773	84.66	286.4	10079 g	3.0	4.4	-	5.1	4.1
SX Cascade	38.31	16.70	12806	0.685	85.77	286.5	10991 b-e	-	4.1	-	5.2	3.2
SX Puma	38.03	16.95	12904	0.710	85.50	290.1	11044 bcd	-	4.3	-	4.7	3.6
Curly Top Susceptible Check								5.5	6.4	-	6.9	5.6
Curly Top Resistant Check (US 41)								3.6	4.7	-	5.3	3.5
LSD (0.05)	1.43	0.36	576	0.039	0.55	7.2	507					
LSD (0.10)	1.19	0.30	483	0.033	0.46	6.0	425					
CV (%)	5.3	3.0	6.3	7.0	0.9	3.6	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.

^zMeans followed by the same letter are not significantly different at $P \leq 0.05$.

¹ All entries are commercial seed obtained locally.

² Root yields have been tared 5%.

³ 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.

⁴ Entered as a rhizomania resistant variety.

⁵ Entered as a rhizoctonia resistant variety.