

Table 20  
2003 Performance of Varieties - ACS Commercial Coded Test  
Grand Forks, ND

Description @	Code	Rec/T lbs.	Rec/A lbs.	Loss Mol %	Rev/T \$ ++	Rev/A \$ ++	Sugar %	Yield T/A	Na ppm	K ppm	AmN ppm	Vigor+ Rating	Emerg. %	Bolter %
Beta 3800(Aph)	10	305.3	9048	1.34	36.71	1087	16.61	29.62	484	1791	380		74.1	0.00
Beta 3820(Aph)	18	310.8	9125	1.32	37.98	1115	16.86	29.41	386	1858	387		88.9	0.00
Beta 4818R(Aph & Rzm)	30	296.0	8446	1.42	34.57	986	16.22	28.53	492	1945	401		65.4	0.00
Beta 6225	4	300.4	8980	1.31	35.58	1064	16.33	29.83	460	1777	373		87.0	0.00
Beta 6233	34	309.3	8823	1.41	37.63	1073	16.88	28.45	429	1941	421		78.4	0.00
Beta 6400(Aph)	25	314.2	8504	1.38	38.74	1049	17.09	27.11	400	1909	417		77.8	0.00
Beta 6447	39	313.0	8462	1.41	38.47	1039	17.06	27.06	449	1882	429		72.2	0.00
Beta 6600	15	307.6	9179	1.30	37.24	1112	16.68	29.76	415	1774	384		87.7	0.00
Beta 6610	20	312.1	9223	1.35	38.26	1131	16.95	29.50	399	1840	408		74.7	0.00
Croplan Genetics CL101	8	295.4	9160	1.50	34.42	1068	16.27	30.97	462	2001	465		73.5	0.00
Croplan Genetics CL102	29	291.2	8795	1.44	33.47	1010	15.99	30.24	424	1964	442		73.5	0.00
Croplan Genetics CL311 (111)	31	311.7	8860	1.34	38.17	1085	16.92	28.47	410	1799	412		82.1	0.00
Crystal 723	26	310.3	8985	1.32	37.85	1096	16.84	28.90	406	1898	368		77.8	0.00
Crystal 725	14	298.9	8923	1.39	35.23	1053	16.33	29.83	472	1908	396		83.3	0.00
Crystal 817	41	303.9	8637	1.41	36.38	1034	16.61	28.42	383	1931	441		85.8	0.00
Crystal 820	24	313.6	9254	1.31	38.62	1139	16.99	29.51	411	1765	395		82.1	0.00
Crystal 822	37	304.2	8572	1.44	36.44	1028	16.65	28.18	492	1841	448		78.4	0.00
Crystal 952	19	305.3	8794	1.40	36.71	1059	16.66	28.69	473	1859	423		73.5	0.00
Crystal 955	3	300.4	9269	1.40	35.57	1097	16.42	30.89	453	1953	398		71.6	0.00
Crystal 999	35	304.1	8860	1.40	36.43	1061	16.60	29.17	421	1889	424		83.3	0.00
Crystal R826(Rzm)	9	303.9	8262	1.44	36.39	989	16.63	27.26	458	1990	416		84.6	0.00
Hilleshog 2093	38	298.4	8754	1.50	35.13	1030	16.42	29.34	416	2021	473		80.9	0.00
Hilleshog 2129	13	300.5	8083	1.54	35.60	957	16.56	26.92	382	2050	508		80.2	0.00
Hilleshog 2236(Aph)	5	289.7	7966	1.44	33.13	911	15.93	27.54	467	1901	437		71.6	0.00
Hilleshog 2239(Aph)	27	287.4	8062	1.48	32.60	914	15.85	28.11	528	1980	428		66.1	0.00
Hilleshog 2411Rz	2	297.0	8787	1.50	34.80	1030	16.35	29.55	503	1910	468		81.5	0.00
Hilleshog 2433Rz	17	298.7	7786	1.41	35.19	916	16.35	26.12	440	1853	439		81.5	0.00
Hilleshog 7172Rz	36	288.9	7508	1.36	32.93	855	15.80	26.01	503	1821	382		83.3	0.00
Holly HH-811	12	297.6	9404	1.46	34.95	1104	16.35	31.63	419	1976	448		81.5	0.00
Holly HH-956	22	318.3	9591	1.36	39.71	1195	17.28	30.12	359	1876	421		81.5	0.00
Seedex Aurora(SX823 925 Aph)	16	316.5	8947	1.23	39.29	1111	17.06	28.32	371	1851	328		77.8	0.07
Seedex Magnum(SX0816 0922)	42	307.0	9426	1.39	37.11	1139	16.75	30.66	395	1904	428		75.9	0.14
Seedex Monarch	23	292.6	8882	1.49	33.79	1025	16.12	30.35	502	1935	451		78.4	0.00
Seedex SX0822(Aph & Rzm)	33	304.7	8506	1.21	36.57	1021	16.45	27.92	354	1825	323		66.7	0.00
Seedex Thunder	40	301.5	9187	1.44	35.83	1093	16.51	30.39	437	1869	459		75.9	0.00
Seedex Titan	1	295.2	8880	1.37	34.39	1034	16.13	30.15	405	1900	411		77.2	0.00
Van der Have H46177(Aph & Rzm)	28	298.8	8351	1.38	35.21	984	16.32	27.97	392	2015	392		66.1	0.00
Van der Have H66240	7	309.6	9493	1.39	37.70	1155	16.87	30.77	348	1892	447		82.1	0.00
Van der Have H66556	21	296.5	9155	1.45	34.68	1072	16.27	30.90	407	1967	449		82.1	0.00
Van der Have H66561	6	309.6	9826	1.33	37.71	1197	16.81	31.73	361	1847	409		84.0	0.14
Van der Have H66626	32	309.4	9248	1.41	37.64	1125	16.87	29.93	350	1925	455		67.9	0.00
Van der Have H66629	11	302.6	9304	1.41	36.08	1109	16.53	30.69	400	1908	437		82.1	0.00
Check Mean		303.1	8841	1.39	36.21	1056	16.55	29.16	427	1899	420		78.1	
Coeff. of Var. (%)		3.4	4.7	4.9	6.6	7.2	2.9	3.3	14.4	5.1	7.7		10.2	
F Value		3.2	8.5	5.6	3.2	5.5	3.2	12.7	3.2	2.9	7.1		3.6	
Mean LSD (0.05)		12.2	478	0.08	2.80	89	0.55	1.13	74	118	39		9.1	
Mean LSD (0.01)		16.1	631	0.11	3.70	117	0.73	1.49	98	155	51		12.0	

\* 2003 Data from Grand Forks.

Created 11-06-03.

+ Lower numbers indicate better seedling vigor. Data not collected.

Trial # = 038606

@ Some varieties not approved for sale. Refer to approval list for approval status.

++ Revenue estimates are based on a \$40.09 beet payment at 17.5 % sugar and 1.5 % loss to molasses. Revenue does not consider hauling costs. No Aphanomyces present.