

Table 5  
 Three Year Performance of Varieties Approved for Unlimited Sale to ACS Growers in 2004  
 Crk/EGF District \*

Description	Years Comm Seed +	Rec. Sugar / Ton (pounds)			Revenue / Ton (dollars) ++			Rec. Sugar / Acre (pounds)			Revenue / Acre (dollars) ++			Loss to Molasses (%)			Sugar Content (%)			Root Yield (Tons / Acre)		
		2003	3 Yr Mean	3 Yr % Mean	2003	3 Yr Mean	3 Yr % Mean	2003	3 Yr Mean	3 Yr % Mean	2003	3 Yr Mean	3 Yr % Mean	2003	3 Yr Mean	3 Yr % Mean	2003	3 Yr Mean	3 Yr % Mean	2003	3 Yr Mean	3 Yr % Mean
Beta 3820(Aph)	3	322.4	316.4	101.4	40.65	35.74	102.8	8988	7953	100.8	1137	905	102.4	1.14	1.17	95.8	17.26	16.99	101.0	27.78	25.08	99.3
Beta 6225	2	312.7	309.9	99.3	38.41	34.22	98.4	8838	8041	101.9	1089	893	101.2	1.10	1.14	93.1	16.74	16.64	98.9	28.19	25.88	102.5
Beta 6233	1	324.4	316.5	101.5	41.10	35.75	102.8	8764	7866	99.7	1112	891	100.9	1.19	1.21	98.4	17.41	17.03	101.2	26.97	24.83	98.3
Beta 6400(Aph)	4	327.8	324.8	104.1	41.89	37.52	107.9	8602	7699	97.6	1102	893	101.1	1.18	1.19	97.3	17.57	17.43	103.6	26.19	23.68	93.8
Beta 6447	5	326.2	319.1	102.3	41.52	36.31	104.5	8324	7584	96.1	1061	866	98.1	1.23	1.24	101.2	17.54	17.19	102.2	25.45	23.71	93.9
Beta 6600	4	316.5	310.0	99.3	39.29	34.30	98.7	8953	7978	101.1	1116	889	100.7	1.15	1.19	97.1	16.97	16.68	99.2	28.13	25.65	101.6
Beta 6610	2	322.7	311.8	99.9	40.72	34.74	99.9	8921	7928	100.5	1126	888	100.5	1.17	1.20	98.2	17.31	16.79	99.8	27.61	25.36	100.4
Croplan Genetics CL101	5	310.1	304.2	97.5	37.82	33.06	95.1	8793	7793	98.8	1074	851	96.3	1.28	1.30	106.1	16.78	16.51	98.1	28.32	25.59	101.4
Croplan Genetics CL102	5	311.1	301.2	96.5	38.05	32.44	93.3	8790	7881	99.9	1079	854	96.7	1.22	1.26	102.6	16.78	16.32	97.0	28.15	26.09	103.3
Croplan Genetics CL311 (111)	1	323.0	314.6	100.8	40.77	35.34	101.7	8659	7837	99.3	1097	884	100.1	1.19	1.22	100.0	17.34	16.96	100.8	26.67	24.84	98.4
Crystal 723	1	321.4	319.2	102.3	40.41	36.28	104.4	8548	7911	100.3	1074	901	102.1	1.15	1.17	95.7	17.22	17.13	101.8	26.62	24.79	98.2
Crystal 725	1	317.7	314.3	100.7	39.57	35.24	101.4	8822	8155	103.4	1099	916	103.8	1.18	1.18	96.0	17.07	16.89	100.4	27.68	25.90	102.6
Crystal 817	4	320.8	318.2	102.0	40.28	36.08	103.8	8617	7775	98.6	1087	888	100.6	1.21	1.23	100.4	17.25	17.14	101.9	26.67	24.33	96.4
Crystal 820	1	322.3	315.8	101.2	40.61	35.61	102.4	9078	8216	104.1	1147	930	105.3	1.14	1.18	96.2	17.25	16.97	100.9	28.11	25.99	102.9
Crystal 822	1	322.2	319.1	102.3	40.59	36.27	104.3	8798	7876	99.8	1110	899	101.8	1.18	1.22	99.2	17.29	17.17	102.1	27.29	24.68	97.7
Crystal 952	3	323.4	313.8	100.6	40.87	35.18	101.2	8722	7798	98.8	1103	877	99.3	1.19	1.25	101.6	17.36	16.94	100.7	26.93	24.81	98.3
Crystal 955	3	315.4	307.8	98.6	39.04	33.83	97.3	8646	7827	99.2	1072	864	97.9	1.23	1.25	101.8	17.00	16.63	98.9	27.32	25.36	100.4
Crystal 999	4	321.1	315.3	101.1	40.33	35.48	102.1	8924	7962	100.9	1121	900	101.9	1.16	1.21	98.8	17.22	16.97	100.9	27.85	25.24	100.0
Crystal R826(Rzm)	1	321.4	313.3	100.4	40.40	35.04	100.8	8587	7555	95.8	1083	850	96.2	1.24	1.28	104.6	17.31	16.94	100.7	26.61	24.05	95.3
Hilleshog 2093	3	307.7	301.9	96.7	37.26	32.57	93.7	8383	7454	94.5	1018	809	91.6	1.27	1.30	105.9	16.66	16.39	97.4	27.20	24.67	97.7
Hilleshog 2129	1	322.6	316.2	101.4	40.69	35.66	102.6	8242	7702	97.6	1040	870	98.5	1.21	1.24	101.1	17.34	17.05	101.4	25.52	24.35	96.4
Holly HH-811	3	309.3	301.4	96.6	37.63	32.47	93.4	9031	8030	101.8	1104	872	98.7	1.26	1.28	104.2	16.72	16.35	97.2	29.02	26.55	105.2
Holly HH-956	1	325.1	316.9	101.6	41.25	35.87	103.2	9130	8142	103.2	1162	927	104.9	1.18	1.23	100.3	17.43	17.07	101.5	27.96	25.63	101.5
Seedex Magnum(SX0816 0922)	1	320.6	315.1	101.0	40.23	35.49	102.1	9356	8213	104.1	1179	932	105.5	1.18	1.19	97.3	17.21	16.95	100.7	28.97	25.97	102.8
Seedex Monarch	9	307.3	303.9	97.4	37.18	32.97	94.8	8732	7525	95.4	1058	821	93.0	1.24	1.27	103.4	16.61	16.46	97.8	28.37	24.75	98.0
Seedex Thunder	5	317.9	304.6	97.6	39.60	33.23	95.6	8965	8011	101.5	1119	878	99.4	1.23	1.30	105.9	17.12	16.53	98.2	28.14	26.23	103.9
Seedex Titan	4	315.5	305.6	97.9	39.05	33.39	96.1	8748	7817	99.1	1086	858	97.2	1.19	1.24	101.2	16.96	16.52	98.2	27.65	25.54	101.2
Van der Have H46177(Aph & Rzm)	2	316.8	312.5	100.1	39.36	34.83	100.2	8470	7690	97.5	1053	860	97.4	1.19	1.17	95.4	17.04	16.79	99.8	26.71	24.59	97.4
Van der Have H66240	5	314.3	307.0	98.4	38.78	33.68	96.9	9070	8083	102.5	1122	892	101.0	1.26	1.29	105.3	16.97	16.64	98.9	28.78	26.29	104.1
Van der Have H66556	2	312.2	307.5	98.6	38.28	33.79	97.2	8888	8023	101.7	1090	885	100.2	1.22	1.23	100.3	16.83	16.61	98.7	28.47	26.08	103.3
Van der Have H66561	2	316.1	309.8	99.3	39.18	34.26	98.6	9276	8120	102.9	1155	906	102.6	1.19	1.18	96.5	16.99	16.67	99.1	29.25	26.18	103.7
Van der Have H66626	1	322.9	316.4	101.4	40.76	35.69	102.7	9082	8012	101.6	1148	909	102.9	1.21	1.21	99.1	17.35	17.03	101.2	28.06	25.28	100.1
Mean of 32	32	318.5	312.0	100.0	39.74	34.76	100.0	8805	7889	100.0	1101	883	100.0	1.20	1.22	100.0	17.12	16.83	100.0	27.58	25.25	100.0
LSD .05		7.1			1.63			404			63			0.05			0.33			1.12		

\* 2003 Data from Climax MN, Crookston MN, Grand Forks ND & Tabor MN.

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++ 2003 Revenue estimates are based on a \$40.09 beet payment at 17.5 % sugar and 1.5 % loss to molasses. 2002 Revenue estimate was \$37.46 and 2001 used \$31.91. Revenue does not consider hauling costs.