

Table 2  
**Three Year Performance of Varieties Approved for Unlimited Sale to ACS Growers in 2004**  
**All Crystal Districts \***

Description	Years Comm Seed +	Rec. Sugar / Ton (pounds)			Revenue / Ton (dollars) ++			Rec. Sugar / Acre (pounds)			Revenue / Acre (dollars) ++			Loss to Molasses (%)			Cercospora Rating (1-9) **	
		3 Yr Mean	3 Yr % Mean		3 Yr Mean	3 Yr % Mean		3 Yr Mean	3 Yr % Mean		3 Yr Mean	3 Yr % Mean		3 Yr Mean	3 Yr % Mean		2003	Mean
		2003			2003			2003			2003			2003			2003	
Beta 3820(Aph)	3	335.8	323.7	100.9	43.72	37.34	101.8	8239	7786	100.0	1071	900	101.0	1.11	1.19	96.4	4.28	4.34
Beta 6225	2	326.5	319.0	99.5	41.59	36.25	98.8	8123	7990	102.6	1033	908	101.9	1.09	1.17	94.2	4.44	4.66
Beta 6233	1	336.7	324.5	101.2	43.93	37.49	102.2	8058	7826	100.5	1050	903	101.4	1.15	1.22	98.2	4.64	4.56
Beta 6400(Aph)	4	338.5	331.0	103.2	44.34	38.88	106.0	7812	7508	96.4	1022	882	99.0	1.18	1.23	99.0	4.01	4.34
Beta 6447	5	337.8	326.6	101.8	44.19	37.95	103.4	7598	7422	95.3	993	861	96.7	1.20	1.26	101.8	4.97	4.89
Beta 6600	4	327.3	318.5	99.3	41.77	36.19	98.6	8268	7902	101.4	1055	899	101.0	1.12	1.20	96.9	4.85	4.75
Beta 6610	2	332.4	319.6	99.6	42.94	36.43	99.3	8022	7795	100.1	1035	887	99.6	1.14	1.22	98.5	4.81	4.67
Croplan Genetics CL101	5	322.9	312.7	97.5	40.75	34.93	95.2	8211	7741	99.4	1036	865	97.1	1.25	1.32	106.4	5.30	5.02
Croplan Genetics CL102	5	323.5	310.8	96.9	40.88	34.54	94.2	8043	7835	100.6	1017	870	97.7	1.19	1.28	103.1	4.96	4.95
Croplan Genetics CL311 (111)	1	333.8	323.7	100.9	43.25	37.31	101.7	7985	7763	99.7	1035	895	100.5	1.16	1.22	98.9	4.97	4.84
Crystal 723	1	337.6	329.1	102.6	44.14	38.49	104.9	7946	7754	99.5	1036	906	101.7	1.11	1.18	95.0	4.42	4.39
Crystal 725	1	331.4	323.6	100.9	42.71	37.28	101.6	8166	7996	102.7	1050	920	103.4	1.15	1.20	96.6	4.38	4.46
Crystal 817	4	335.0	326.8	101.9	43.54	37.98	103.5	7918	7690	98.7	1029	894	100.5	1.16	1.24	99.9	5.04	4.97
Crystal 820	1	330.1	322.4	100.5	42.42	37.03	100.9	8246	8061	103.5	1058	926	104.0	1.14	1.21	97.4	4.48	4.64
Crystal 822	1	336.6	329.8	102.8	43.91	38.62	105.3	8020	7829	100.5	1044	915	102.8	1.16	1.22	98.2	4.64	4.62
Crystal 952	3	334.5	323.0	100.7	43.43	37.18	101.4	7925	7625	97.9	1027	877	98.5	1.16	1.25	100.8	4.28	4.47
Crystal 955	3	329.4	318.2	99.2	42.25	36.12	98.5	8127	7902	101.4	1042	897	100.8	1.19	1.26	101.8	4.94	4.84
Crystal 999	4	333.6	322.6	100.6	43.23	37.09	101.1	8143	7814	100.3	1052	899	100.9	1.13	1.22	98.3	4.31	4.49
Crystal R826(Rzm)	1	334.8	322.0	100.4	43.49	36.98	100.8	7834	7420	95.2	1016	852	95.7	1.21	1.29	104.0	4.53	4.53
Hilleshog 2093	3	320.6	311.7	97.2	40.22	34.72	94.6	7784	7498	96.3	975	836	93.8	1.23	1.31	105.8	4.76	4.64
Hilleshog 2129	1	332.6	325.3	101.4	43.00	37.64	102.6	7346	7572	97.2	947	872	98.0	1.16	1.23	99.7	4.73	4.95
Holly HH-811	3	323.0	311.6	97.2	40.78	34.72	94.7	8277	7961	102.2	1045	888	99.7	1.21	1.30	104.7	5.04	5.05
Holly HH-956	1	336.8	324.1	101.0	43.95	37.45	102.1	8324	7973	102.4	1086	921	103.5	1.15	1.24	100.5	5.18	4.96
Seedex Magnum(SX0816 0922)	1	335.6	323.4	100.8	43.68	37.31	101.7	8506	8072	103.6	1106	932	104.7	1.15	1.21	98.1	5.14	4.88
Seedex Monarch	9	320.2	313.3	97.7	40.14	35.05	95.5	7891	7439	95.5	987	833	93.5	1.22	1.28	103.4	4.97	5.02
Seedex Thunder	5	328.7	313.2	97.6	42.09	35.09	95.7	8225	7911	101.6	1052	886	99.5	1.21	1.31	106.1	5.05	4.93
Seedex Titan	4	329.1	315.8	98.4	42.18	35.63	97.1	7928	7693	98.8	1015	867	97.3	1.15	1.25	101.0	5.07	5.01
Van der Have H46177(Aph & Rzm)	2	330.7	322.3	100.5	42.55	36.99	100.8	7943	7681	98.6	1019	881	99.0	1.16	1.16	94.0	3.90	4.11
Van der Have H66240	5	326.7	315.5	98.4	41.63	35.56	96.9	8371	7989	102.6	1065	900	101.1	1.23	1.31	106.1	4.87	4.83
Van der Have H66556	2	327.2	317.6	99.0	41.75	36.00	98.1	8123	7921	101.7	1034	897	100.7	1.17	1.23	99.2	4.88	4.77
Van der Have H66561	2	329.0	319.0	99.5	42.16	36.28	98.9	8484	7959	102.2	1087	908	102.0	1.15	1.20	97.1	5.15	5.02
Van der Have H66626	1	334.7	324.1	101.0	43.46	37.39	101.9	8301	7934	101.9	1077	917	102.9	1.16	1.22	98.9	5.24	4.87
Mean of 32	32	331.0	320.8	100.0	42.63	36.69	100.0	8068	7790	100.0	1037	890	100.0	1.17	1.24	100.0	4.76	4.73
LSD .05		5.2			1.21			262			41			0.03			0.37	

\* 2003 Data from Kindred, Halstad, Climax, Crookston, Grand Forks, Tabor, St Thomas, Cavalier & Humbolt.

++ 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.

\*\* Lower numbers indicate better Cercospora tolerance (from Shakopee nursery).

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