

Table 4  
**Three Year Performance of Varieties Approved for Unlimited Sale to ACS Growers in 2004**  
**Mhd/Hlb 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)			
		3 Yr	3 Yr %	Mean	3 Yr	3 Yr %	Mean	3 Yr	3 Yr %	Mean	3 Yr	3 Yr %	Mean	3 Yr	3 Yr %	Mean	3 Yr	3 Yr %	Mean	3 Yr	3 Yr %	Mean	
		2003	Mean	Mean	2003	Mean	Mean	2003	Mean	Mean	2003	Mean	Mean	2003	Mean	Mean	2003	Mean	Mean	2003	Mean	Mean	
Beta 3820(Aph)	3	354.0	330.0	101.9	47.91	38.76	103.7	7687	7585	100.1	1039	887	102.0	1.17	1.20	94.8	18.86	17.70	101.4	21.78	23.01	98.2	
Beta 6225	2	333.8	320.8	99.1	43.26	36.67	98.1	7306	7779	102.7	944	883	101.6	1.23	1.20	94.6	17.91	17.24	98.8	21.95	24.30	103.7	
Beta 6233	1	349.2	326.4	100.8	46.81	37.96	101.6	7542	7718	101.9	1010	891	102.5	1.26	1.24	98.2	18.72	17.56	100.6	21.63	23.68	101.1	
Beta 6400(Aph)	4	351.7	333.1	102.9	47.39	39.40	105.4	7058	7228	95.4	946	850	97.8	1.29	1.25	99.0	18.87	17.90	102.6	20.22	21.74	92.8	
Beta 6447	5	350.6	329.8	101.8	47.13	38.69	103.5	6888	7157	94.5	929	834	96.0	1.32	1.29	102.0	18.85	17.78	101.9	19.59	21.73	92.7	
Beta 6600	4	335.4	320.3	98.9	43.63	36.60	97.9	7656	7696	101.6	994	876	100.8	1.24	1.23	97.2	18.00	17.24	98.8	22.89	24.03	102.5	
Beta 6610	2	341.4	322.2	99.5	45.00	37.01	99.0	7451	7660	101.1	980	873	100.5	1.26	1.26	99.3	18.32	17.36	99.5	21.89	23.84	101.7	
Croplan Genetics CL101	5	330.9	315.5	97.4	42.60	35.53	95.1	7728	7674	101.3	998	862	99.2	1.35	1.34	106.2	17.90	17.11	98.1	23.22	24.27	103.6	
Croplan Genetics CL102	5	329.5	311.3	96.1	42.27	34.66	92.7	7049	7599	100.3	905	838	96.3	1.29	1.30	102.7	17.76	16.86	96.6	21.38	24.46	104.4	
Croplan Genetics CL311 (111)	1	348.0	327.0	101.0	46.52	38.11	102.0	7492	7598	100.3	1001	881	101.3	1.29	1.26	99.2	18.69	17.61	100.9	21.57	23.28	99.3	
Crystal 723	1	348.3	331.0	102.2	46.60	38.93	104.2	7312	7423	98.0	976	869	99.9	1.20	1.21	95.3	18.62	17.76	101.7	21.04	22.45	95.8	
Crystal 725	1	343.8	328.3	101.4	45.56	38.31	102.5	7570	7720	101.9	1000	897	103.1	1.24	1.20	95.1	18.43	17.62	100.9	22.09	23.52	100.4	
Crystal 817	4	348.8	330.9	102.2	46.70	38.89	104.1	7008	7458	98.4	940	870	100.1	1.25	1.26	99.8	18.69	17.81	102.0	20.05	22.57	96.3	
Crystal 820	1	338.2	322.7	99.7	44.28	37.13	99.4	7450	7753	102.3	972	887	102.0	1.24	1.26	99.2	18.15	17.39	99.6	22.13	24.06	102.7	
Crystal 822	1	344.8	331.2	102.3	45.79	38.93	104.2	7215	7669	101.2	958	896	103.1	1.30	1.26	99.5	18.54	17.81	102.1	20.92	23.17	98.9	
Crystal 952	3	344.8	326.5	100.8	45.79	37.98	101.6	7154	7356	97.1	949	851	97.9	1.23	1.25	99.2	18.47	17.58	100.7	20.81	22.55	96.2	
Crystal 955	3	336.4	321.6	99.3	43.85	36.85	98.6	7568	7751	102.3	988	885	101.8	1.30	1.27	100.1	18.12	17.34	99.4	22.46	24.08	102.8	
Crystal 999	4	349.6	327.7	101.2	46.90	38.23	102.3	7745	7683	101.4	1037	893	102.7	1.23	1.24	97.7	18.71	17.62	101.0	22.20	23.46	100.1	
Crystal R826(Rzm)	1	348.6	325.4	100.5	46.67	37.77	101.1	7187	7161	94.5	960	826	95.0	1.38	1.33	105.2	18.81	17.60	100.8	20.70	22.07	94.2	
Hilleshog 2093	3	329.4	315.0	97.3	42.24	35.43	94.8	6726	7151	94.4	859	798	91.8	1.30	1.33	104.9	17.76	17.07	97.8	20.51	22.77	97.2	
Hilleshog 2129	1	344.3	327.9	101.3	45.69	38.27	102.4	6753	7464	98.5	894	863	99.3	1.22	1.26	100.0	18.43	17.65	101.1	19.69	22.84	97.5	
Holly HH-811	3	332.0	314.6	97.2	42.85	35.39	94.7	7590	7787	102.8	982	872	100.3	1.34	1.34	106.2	17.94	17.08	97.8	22.78	24.74	105.6	
Holly HH-956	1	347.1	325.9	100.6	46.32	37.85	101.3	7408	7635	100.8	989	881	101.3	1.28	1.28	101.0	18.63	17.57	100.7	21.33	23.46	100.1	
Seedex Magnum(SX0816 0922)	1	353.8	327.7	101.2	47.87	38.29	102.5	7816	7862	103.8	1058	914	105.1	1.22	1.23	97.4	18.91	17.62	100.9	22.07	24.03	102.5	
Seedex Monarch	9	330.8	316.0	97.6	42.56	35.66	95.4	7116	7266	95.9	914	816	93.9	1.36	1.31	103.3	17.89	17.10	98.0	21.54	23.00	98.2	
Seedex Thunder	5	337.9	316.4	97.7	44.21	35.79	95.8	7578	7735	102.1	989	869	100.0	1.33	1.34	105.6	18.23	17.16	98.3	22.51	24.50	104.5	
Seedex Titan	4	341.5	319.5	98.7	45.04	36.47	97.6	7377	7565	99.9	973	858	98.7	1.28	1.29	101.7	18.36	17.26	98.9	21.57	23.70	101.1	
Van der Have H46177(Aph & Rzm)	2	349.7	328.7	101.5	46.92	38.45	102.9	7411	7534	99.4	990	876	100.8	1.24	1.18	93.1	18.72	17.61	100.9	21.32	22.97	98.0	
Van der Have H66240	5	335.0	316.7	97.8	43.54	35.83	95.9	7754	7764	102.5	1008	875	100.6	1.34	1.35	106.4	18.09	17.18	98.4	23.15	24.54	104.7	
Van der Have H66556	2	343.2	323.8	100.0	45.43	37.38	100.0	7559	7762	102.4	1005	893	102.7	1.28	1.23	97.4	18.44	17.42	99.8	21.89	23.96	102.3	
Van der Have H66561	2	337.0	321.6	99.3	44.01	36.84	98.6	7783	7692	101.5	1016	881	101.3	1.27	1.25	98.5	18.12	17.32	99.2	23.09	23.93	102.1	
Van der Have H66626	1	347.3	326.3	100.8	46.37	37.92	101.5	7423	7558	99.8	993	874	100.5	1.27	1.27	100.0	18.63	17.58	100.7	21.30	23.18	98.9	
Mean of 32	32	342.4	323.8	100.0	45.24	37.38	100.0	7386	7576	100.0	975	869	100.0	1.28	1.27	100.0	18.39	17.45	100.0	21.60	23.43	100.0	
LSD .05		13.9			3.19			606			102			0.08			0.65			1.35			

\* 2003 Data from Kindred & Halstad.

++ 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.

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