



41580 (175)	6474	295.5	21.9	16.08	1.30	1.55	33.68	738
47520 (200)	6358	295.0	21.6	16.05	1.30	1.36	33.56	722
Stat. Sign. <sup>2</sup>	uu	NS	uu	NS	uu	uu	NS	u
LSD <sub>05</sub>	626		1.5		0.13	0.27		109
<b>May 28 Planting</b>								
17820	4812	274.5	17.5	15.10	1.38	1.95	28.87	506
23760	5061	276.5	18.3	15.18	1.35	1.81	29.33	537
29700	5451	283.5	19.2	15.45	1.28	1.78	30.93	594
35640	5330	281.5	19.0	15.38	1.30	1.51	30.47	576
41580	5376	284.5	18.9	15.55	1.33	1.46	31.16	588
47520	5284	284.0	18.6	15.43	1.23	1.20	31.04	578
Stat. Sign.	uu	NS	u	NS	NS	uu	NS	u
LSD <sub>05</sub>	358		1.0			0.18		60

<sup>1</sup> Basis ACSC November 15, 2002 payment schedule

<sup>2</sup> u, uu statistically significant at the .05 and .00 level respectively

Table 2. Effect of Population at Different Planting Dates on Seedex Thunder

Population (plants/A)	Recoverable Sucrose (lb/A)	Yield (lb/T)	Yield (T/A)	Sucrose (%)	LM (%)	Ave. Beet Wt (lbs)	Gross Return (\$/T)	Gross Return (\$/A)
<b>April 30 Planting</b>								
17820	5717	270.0	21.2	14.90	1.40	2.41	27.84	590
23760	6187	274.0	22.6	15.10	1.40	1.98	28.75	649
29700	6508	281.0	23.2	15.48	1.43	1.93	30.36	703
35640	6369	283.0	22.6	15.43	1.28	1.89	30.82	692
41580	6411	286.0	22.4	15.60	1.30	1.67	31.50	706
47520	6318	282.5	22.4	15.50	1.38	1.37	30.70	686
Statistical Sign	u	NS	u	u	NS	uu	NS	u
LSD <sub>05</sub>	496		1.1	0.61		0.21		84
<b>May 28 Planting</b>								
17820	4904	269.5	18.2	14.93	1.45	2.14	27.72	503
23760	5567	277.5	20.1	15.30	1.43	1.89	29.56	592
29700	5523	275.5	20.1	15.20	1.43	1.82	29.10	583

35640	5652	278.5	20.3	15.33	1.40	1.53	29.78	604
41580	5825	281.0	20.7	15.33	1.28	1.47	30.36	631
47520	5967	283.0	21.1	15.45	1.30	1.29	30.82	650
Statistical Sign	u	NS	u	NS	NS	uu	NS	u
LSD <sub>05</sub>	695		1.8			0.19		109

Table 3. Main Effects of Planting Date (ave. over varieties and populations)

Planting Date	Recoverable Sucrose		Yield (T/A)	Sucrose (%)	LTM (%)	Gross Return	
	(lb/A)	(lb/T)				(\$/T)	(\$/A)
April 30	6223	284.7	21.9	15.6	1.36	31.21	682
May 28	5396	279.1	19.3	15.3	1.34	29.92	578
Statistical Sign	uu	u	uu	u	NS	u	uu

Table 4. Main Effects of Variety (ave. over populations and planting dates)

Variety	Recoverable Sucrose		Yield (T/A)	Sucrose (%)	LTM (%)	Gross Return	
	(lb/A)	(lb/T)				(\$/T)	(\$/A)
Beta 6447	5912	285.4	20.0	15.6	1.33	31.36	628
Seedex Thunder	5707	278.4	21.2	15.3	1.37	29.78	632
Statistical Sign	uu	NS	uu	NS	NS	NS	NS

Table 5. Main Effects of Population (ave. over planting dates and varieties)

Population	Recoverable Sucrose		Yield (T/A)	Sucrose (%)	LTM (%)	Gross Return	
	(lb/A)	(lb/T)				(\$/T)	(\$/A)
17820	5212	273	19.1	15.10	1.46	28.52	544
23760	5717	279.0	20.5	15.34	1.39	29.90	612
29700	5954	281.6	21.1	15.45	1.37	30.50	645
35640	5971	285.0	20.9	15.56	1.31	31.27	655
41580	6021	286.8	21.0	15.64	1.30	31.67	666
47520	5981	286.1	20.9	15.60	1.30	31.53	659

Statistical Sign	uu	uu	uu	u	uu	u	uu
LSD <sub>05</sub>	262	7.3	0.7	0.33	0.7	1.67	44