

Sugarbeet Tillage, Hybrid Study

Oakes Irrigation Research Site

Tillage	Yield ton/ac	Sugar %	Sugar Loss %	Recoverable Sugar lb/ton	Recoverable Sugar ton/ac	Sodium ppm	Potassium ppm	Amino-N ppm
Strip-till	39.5	17.0	1.4	339	13376	82	2074	485
Conventional	41.2	17.2	1.4	344	14159	80	1976	496
Mean	40.3	17.1	1.4	341.5	13767.7	81.0	2024.9	490.4
C.V.%	5.8	0.9	4.5	0.9	0.1	14.3	3.9	5.7
LSD.05	NS	0.2	NS	3.9	NS	NS	NS	NS

Hybrid	Yield ton/ac	Sugar %	Sugar Loss %	Recoverable Sugar lb/ton	Recoverable Sugar ton/ac	Sodium ppm	Potassium ppm	Amino-N ppm
Crystal R434	39.2	17.2	1.5	343	13448	95	2172	552
1305R	39.4	17.0	1.4	340	13364	75	1981	475
SU46519	42.5	17.1	1.3	341	14491	72	1922	444
C.V.%	9.3	1.7	6.2	1.8	0.1	23.2	4.5	10.3
LSD.05	NS	NS	0.1	NS	NS	99.4	54.9	

	Yield ton/ac	Sugar %	Sugar Loss %	Recoverable Sugar lb/ton	Recoverable Sugar ton/ac	Sodium ppm	Potassium ppm	Amino-N ppm
Strip-till, Crystal R434	38.3	17.1	1.5	342	13079	101	2205	534
Conventional, Crystal	40.1	17.2	1.5	345	13817	90	2140	571
Strip-till, 1305R	37.9	17.0	1.4	339	12834	74	2041	476
Conventional, 1305R	40.8	17.0	1.3	341	13895	77	1921	474
Strip-till, SU46519	42.2	16.9	1.3	337	14216	72	1977	444
Conventional,	42.8	17.3	1.3	346	14766	73	1867	443
C.V.%	9.4	1.7	6.2	1.8	0.1	23.2	4.5	10.3
LSD.05	NS	NS	NS	NS	NS	NS	NS	NS

Planting Date = May 8 ; Harvest Date = October 16 ; Previous Crop = Barley