

2022-2023 Imperial Valley Late Harvest Official Variety Trial Results - Location 2

Sugar Beet Cyst Nematode affected trial site

Entry	Entry Name	Extractable Sugar per Ton	Extractable Sugar per Acre	Gross Sugar per Acre	Tons per Acre	Percent Sugar	Extractable Sugar Percent	Percent Purity	Brei N (ppm)	Percent Tare	Percent* Emergence	Final Stand** Beets/100'	Percent # Bolters	Canopy Wilt### Rating (6/15/23)	Percent Rot
1	BTS 5460	294.3	19,083.2	22,885.5	64.8	17.7	14.7	89.5	36.6	1.6	69.4	240.2	0.1	3.4	0.0
2	BTS 5678	297.3	19,324.7	23,113.9	65.2	17.7	14.9	89.9	37.4	1.5	65.0	239.7	0.0	3.9	0.0
3	BTS 511N	289.7	19,953.6	23,626.8	68.7	17.2	14.5	90.6	31.1	2.2	58.5	240.2	0.0	1.6	0.0
4	BTS 5255	299.0	19,538.2	23,395.4	65.3	18.0	14.9	89.7	31.7	1.5	59.9	241.1	0.0	3.6	0.0
5	BTS 5309	290.1	18,338.4	22,086.9	62.9	17.4	14.5	89.4	29.8	1.1	66.2	239.1	0.2	3.1	0.0
6	BTS 5317	297.0	18,925.1	22,742.7	63.9	17.8	14.8	89.4	29.4	1.4	68.7	240.3	0.0	3.5	0.0
7	BTS 5350	292.0	19,352.8	23,303.7	66.0	17.6	14.6	89.2	37.6	1.2	60.5	237.8	0.0	3.9	0.0
8	BTS 5386	295.9	18,694.3	22,457.6	62.6	17.8	14.8	89.3	71.9	1.5	62.9	240.4	0.1	4.1	0.0
9	BTS 539N	298.8	20,139.4	23,837.8	66.7	17.7	15.0	90.6	28.4	1.2	63.2	242.0	0.0	2.1	0.0
10	SV 1915	291.9	17,613.7	21,310.5	60.0	17.7	14.6	88.9	27.5	1.1	62.2	239.5	0.2	4.3	0.0
11	SV 1927	294.4	18,820.1	22,916.6	64.2	17.9	14.7	88.7	49.4	1.1	63.9	240.2	3.0	4.4	0.0
12	SV 1934N	302.4	17,966.0	21,461.8	59.9	18.0	15.1	89.9	12.0	1.4	72.1	242.3	0.5	2.0	0.0
Trial mean		295.2	18,979.1	22,761.6	64.2	17.7	14.8	89.6	35.2	1.4	64.4	240.2	0.3	3.3	
Residual		79.2	959,828.2	1,151,600.2	8.5	0.2	0.2	0.8	155.1	0.3	18.9	5.6	0.1	0.3	
CV (%)		2.6	4.6	4.1	4.0	2.2	2.6	0.9	31.1	33.8	6.0	0.8	144.7	13.7	
LSD (0.05)		8.7	960.1	1,051.7	2.9	0.4	0.4	0.9	12.2	0.5	4.3	2.3	0.3	0.5	
Reps		8	8	8	8	8	8	8	8	8	8	8	8	8	

*Emergence counts taken prior to thinning and converted to a percent.

**Final stand counts taken after thinning and converted to beets per 100' of row.

Bolters counted before harvest and converted to a percent of total beets per plot.

Canopy wilt rating taken before harvest on a 1-5 scale. 1 = completely upright canopy, and 5 = completely wilted canopy. Rating taken by Joaquin Santiago on June 15.

Cooperator: Steve Veysey

Plant Date: October 21, 2022

Harvest Date: June 20, 2023

Plot size: 2 row, 30" rows.

Experimental Design: RCBD. Analyzed with spatial analysis.