

2023-2024 Imperial Valley Early Harvest Official Variety Trial Results - Location 2

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	Percent## Rot
1	SV 602	257.4	21,352.2	25,806.0	83.4	15.6	12.9	89.4	37.7	0.6	33.7	223.8	6.0	0.4
2	SV 911	261.2	20,547.4	24,753.0	77.5	15.7	13.1	90.0	37.5	0.6	34.4	210.3	5.5	0.4
3	SV 1915	258.4	19,958.5	24,845.4	77.2	16.1	12.9	87.7	29.5	1.5	40.8	222.2	0.7	0.0
4	SV 1927	275.9	21,454.1	25,865.1	78.0	16.7	13.8	89.4	34.1	1.0	41.3	224.5	7.8	0.0
5	SV 1941	271.9	20,544.6	24,822.1	75.3	16.4	13.6	89.6	26.9	1.1	51.5	230.9	1.4	0.1
6	SV 1942N	267.9	20,278.0	24,780.6	76.0	16.4	13.4	88.4	27.4	1.3	31.4	214.8	9.0	0.5
7	BTS 5460	277.3	20,469.7	24,550.9	73.8	16.7	13.9	89.3	24.7	1.8	52.7	226.7	2.3	0.0
8	BTS 5678	283.7	20,805.5	24,742.9	73.1	16.9	14.2	90.2	28.1	1.3	53.6	230.7	0.1	0.0
9	BTS 511N	284.3	20,164.2	24,264.9	70.7	17.1	14.2	89.6	28.9	3.1	61.2	230.5	0.1	0.0
10	BTS 5255	284.7	20,441.2	24,162.5	71.6	16.9	14.2	90.6	25.2	1.5	47.2	232.5	0.1	0.0
11	BTS 5419	286.8	21,257.1	25,474.4	73.7	17.2	14.3	89.8	27.6	1.3	41.0	224.8	0.0	0.0
12	BTS 5432	279.4	19,866.6	24,032.8	71.2	16.9	14.0	89.1	28.9	1.4	43.8	227.2	0.0	0.0
13	BTS 5448	277.0	20,663.9	24,813.3	74.7	16.7	13.8	89.4	25.6	1.5	53.5	228.8	0.0	0.0
14	BTS 5483	302.3	20,524.7	24,455.0	67.9	18.1	15.1	89.8	36.7	2.4	52.9	231.0	11.7	0.1
15	BTS 540N	284.7	20,903.6	24,830.8	73.9	16.9	14.3	90.2	30.5	1.8	44.7	227.5	0.2	0.0
Trial mean		276.9	20,615.4	24,813.3	74.5	16.7	13.8	89.5	30.0	1.5	45.6	225.8	3.0	0.1
Residual		87.4	1,057,491.8	993,018.2	7.8	0.1	0.2	1.5	38.4	0.2	34.6	64.8	2.0	0.1
CV (%)		3.0	4.4	3.6	3.3	1.7	3.0	1.2	17.6	28.2	11.5	3.2	45.9	286.6
LSD(0.05)		9.2	1,007.8	976.6	2.7	0.3	0.5	1.2	6.1	0.5	5.8	7.9	1.4	0.3
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.

#Bolter percent is calculated by counting bolters present versus total beets in each plot.

##Percent rot is calculated by counting rot beets present versus total beets in each plot.

Trial Cooperator: Cameron Ranches

Plant Date: September 21, 2023

Harvest Date: June 25, 2024

Plot size: 2 row, 30" rows.

Experimental Design: RCBD. Analyzed with spatial analysis.