

Imperial Valley Late Harvest Official Variety Trials
2 Year Data (2022-2023)

Variety	2024-2025 Marketing Approval	Year	Extractable Sugar/ Acre	Extractable Sugar/ Ton*	Gross Sugar/ Acre	Tons/ Acre	% Sugar	Purity	Final Stand**	% Bolt	% Rot***	Percent Emergence*	Powdery Mildew Rating#	% of Mkt. Avg.	Rhizomania Root Rating##
SV 1915	Full Approval	2023	20,478	302.8	24,060	67.5	17.8	90.9	238	0.4	0.0	48.8	5.1	78.5	2.5
		2022	18,954	282.9	23,014	69.1	17.0	89.3	231	0.0	12.4	42.4	--	--	2.7
		Average	19,716	292.9	23,537	68.3	17.4	90.1	235	0.2	6.2	45.6			
BTS 511N	Full Approval	2023	20,193	291.5	24,279	67.2	17.6	89.4	239	0.0	0.6	47.6	5.2	80.0	2.0
		2022	20,623	294.1	24,614	71.6	17.5	90.4	232	0.0	1.5	43.1	--	--	1.8
		Average	20,408	292.8	24,446	69.4	17.6	89.9	236	0.0	1.1	45.4			
BTS 5678	Full Approval	2023	20,981	294.3	24,688	71.6	17.3	91.0	239	0.0	0.1	55.7	7.9	121.5	1.8
		2022	18,995	288.0	22,703	66.6	17.1	90.0	232	0.0	9.0	45.1	--	--	2.0
		Average	19,988	291.2	23,695	69.1	17.2	90.5	236	0.0	4.6	50.4			
SV 1927	Limited Approval	2023	19,760	296.0	23,432	66.3	17.6	90.2	233	1.6	0.1	45.8	5.9	90.8	2.3
		2022	18,971	282.7	22,934	67.8	17.0	89.6	233	0.3	17.4	43.5	--	--	--
		Average	19,365	289.4	23,183	67.1	17.3	89.9	233	1.0	8.8	44.7			
BTS 5460	Full Approval	2023	20,678	292.3	24,463	70.4	17.3	90.5	238	0.1	0.2	60.0	7.8	120.0	2.2
		2022	20,059	283.4	24,299	71.9	17.0	89.5	231	0.2	2.7	47.5	--	--	1.9
		Average	20,369	287.9	24,381	71.2	17.2	90.0	235	0.2	1.5	53.8			
BTS 5255	Limited Approval	2023	20,240	288.3	24,117	69.9	17.2	90.0	239	0.0	0.2	48.2	7.0	107.7	2.2
		2022	20,856	286.4	24,944	73.8	17.0	90.2	233	0.0	0.4	44.4	--	--	--
		Average	20,548	287.4	24,530	71.9	17.1	90.1	236	0.0	0.3	46.3			

Mean of Fully Approved (24-25)	20,120	291.2	24,015	69.5	17.3	90.1
97% of Fully Approved (24-25)	19,516	282.4	23,294	67.4	16.8	87.4

Mean of Fully Approved Varieties			
2023 Mean	6.5	100.0	2.1
2022 Mean	--	--	2.1

LSD (0.05)	2023	1,176.1	7.7	1,354.7	3.7	0.4	0.7	7.5	0.3	0.5	5.9	0.4	--
	2022	1,081.4	6.6	1,282.9	4.0	0.3	0.7	4.2	0.3	5.1	4.8	--	0.3
C.V.	2023	5.1	2.4	5.0	4.7	1.8	0.7	3.0	143.0	199.4	10.0	5.6	--
	2022	8.6	3.4	8.5	9.0	2.6	1.1	2.6	315.4	30.1	15.9	--	--

Varieties ranked by Extractable Sugar per Ton

Disease nursery ratings: Lower numbers are more resistant, higher numbers are more susceptible.

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

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

***2022 Percent rot is from LH OVT Location #1 only. No rot present at Location #2.

2023 Powdery mildew data is from ratings taken at 2022-2023 Late Harvest Loc. 1 yield trial. Rating scale 1-9 with lower ratings meaning less disease and higher ratings meaning more disease.

Root rating using a scale of 0-9 (0=healthy and 9=dead; ≥3 would be considered susceptible).

Cooperator	Planted	Harvested	Plot Size
Dan Walker	10/13/2022	7/18/2023	2 rows -- 30 inch rows
Ruegger Farms	10/6/2021	6/1/2022	2 rows -- 30 inch rows
Gary and Brett Mamer	10/13/2021	7/7/2022	2 rows -- 30 inch rows