Imperial Valley Late Harvest Official Variety Trials
2 Year Data (2023-2024)

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 Full Approved.	Rhizomania Root Rating[##]
SV 1915	Full Approval	2024	18,925	294.7	22,661	64.2	17.6	89.7	209	--	3.9	43.1	6.0	100.4	--
		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
		Average	19,701	298.8	23,360	65.9	17.7	90.3	223						
SV 1927	Limited Approval	2024	19,723	295.6	23,564	66.4	17.7	89.9	208	--	1.7	42.1	7.1	118.8	--
		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
		Average	19,741	295.8	23,498	66.4	17.7	90.1	221						
BTS 5678	Full Approval	2024	19,139	297.1	22,763	64.6	17.7	90.2	225	--	0.2	63.1	5.7	95.4	--
		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
		Average	20,060	295.7	23,725	68.1	17.5	90.6	232						
BTS 511N	Full Approval	2024	18,891	299.2	22,511	63.5	17.8	90.0	233	--	3.2	63.0	6.6	110.5	--
		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
		Average	19,542	295.4	23,395	65.4	17.7	89.7	236						
BTS 5460	Full Approval	2024	19,116	296.6	22,831	64.5	17.7	89.9	225	--	1.0	60.3	5.6	93.7	--
		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
		Average	19,897	294.5	23,647	67.5	17.5	90.2	232						
BTS 5255	Limited Approval	2024	19,056	295.6	22,787	63.9	17.7	89.8	228	--	2.3	58.5	5.7	95.4	--
		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
		Average	19,648	292.0	23,452	66.9	17.5	89.9	234						

												Mean of Fully Approved Varieties			
Mean of Fully Approved (24-25)			19,800	296.1	23,532	66.7	17.6	90.2				2024 Mean	6.0	100.0	--
97% of Fully Approved (24-25)			19,206	287.2	22,826	64.7	17.1	87.5				2023 Mean	6.5	100.0	2.1
LSD (0.05)		2024	N/S	N/S	N/S	N/S	N/S	N/S	N/S	--	--	N/S	0.3		--
		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		--
C.V.		2024	4.9	3.2	4.7	4.7	2.5	0.9	7.5	--	--	11.7	5.9		
		2023	5.1	2.4	5.0	4.7	1.8	0.7	3.0	143.0	199.4	10.0	5.6		--

[+]Varieties are ranked by Extractable Sugar per Ton

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

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

*** 2023 percent rot is from Location 1 site only. 2024 percent rot is from the Late Harvest Location 2 site only. It is calculated by counting rot beets per plot and converting to a percent based on the final stand count.

[#]2023 mildew data is from 2022-23 LH Loc. 1. 2024 mildew data is from IVRC mildew nursery. 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	10/16/2023	6/11/2024	2 rows -- 30 inch rows
Veysey Farms	10/20/2023	7/2/2024	2 rows -- 30 inch rows
Dan Walker	10/13/2022	7/18/2023	2 rows -- 30 inch rows