

Imperial Valley Late Harvest Official Variety Trials

1 Year Data Summary (2024)

Variety	2024-2025 Marketing Approval	Extractable Sugar/ Acre	Extractable Sugar/Ton	Gross Sugar/ Acre	Tons / Acre	% Sugar	Purity	Final Stand**	% Bolt	% Rot***	Percent Emergence*	Powdery Mildew [#]	% of Full Approved.	Rhizomania Root Rating ^{##}
BTS 5483		18,520	312.4	22,004	59.3	18.6	90.1	229	--	4.2	54.8	--	--	--
BTS 5419		19,030	306.3	22,430	61.7	18.1	90.7	226	--	0.9	53.6	--	--	--
BTS 511N	Full Approval	18,890	299.2	22,511	63.5	17.8	90.0	233	--	3.2	63.0	6.6	110.5	--
BTS 5432		18,540	298.1	22,123	62.2	17.8	89.9	225	--	0.9	48.8	--	--	--
BTS 5448		19,134	297.4	22,774	64.3	17.7	90.1	232	--	1.1	58.9	--	--	--
SV 1941		18,817	297.2	22,508	63.7	17.8	89.8	222	--	5.5	53.4	--	--	--
BTS 5678	Full Approval	19,139	297.1	22,763	64.6	17.7	90.2	225	--	0.2	63.1	5.7	95.4	--
BTS 5460	Full Approval	19,116	296.6	22,831	64.5	17.7	89.9	225	--	1.0	60.3	5.6	93.7	--
SV 1927	Limited Approval	19,723	295.6	23,564	66.4	17.7	89.9	208	--	1.7	42.1	7.1	118.8	--
BTS 5255	Limited Approval	19,056	295.6	22,787	63.9	17.7	89.8	228	--	2.3	58.5	5.7	95.4	--
SV 1915	Full Approval	18,925	294.7	22,661	64.2	17.6	89.7	209	--	3.9	43.1	6.0	100.4	--
BTS 540N		18,403	292.5	21,869	63.0	17.4	90.3	230	--	4.5	53.6	--	--	--
SV 1942N		18,464	285.9	22,339	64.9	17.3	89.1	195	--	5.0	36.0	--	--	--

Mean of Fully Approved (24-25)	19,017	296.9	22,691	64.2	17.7	90.0
97% of Fully Approved (24-25)	18,447	288.0	22,011	62.3	17.2	87.3
LSD (0.05)	N/S	N/S	N/S	N/S	N/S	N/S
C.V.	4.9	3.2	4.7	4.7	2.5	0.9

Mean of Fully Approved Varieties			
2024 Mean	6.0	100.0	--
LSD (0.05)	0.3		--
C.V.	5.9		--

Varieties ranked by Extractable Sugar per Ton.

*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.

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

[#]2024 mildew data is from the IVRC powdery 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