

**Imperial Valley Early Harvest Official Variety Trials
1 Year Data (2024)**

Variety	Approval Status for 2024-25 crop	Extractable Sugar/Acre	Extractable Sugar/Ton	Gross Sugar/Acre	Tons/ Acre	% Sugar	Purity	Final Stand**	% Bolt	Percent Emergence*	Powdery Mildew#	% of Fully Approved	Rhizomania Root Rating###
BTS 5483		12,885	312.6	15,298	41.0	18.6	90.0	232	0.0	51.7	--	--	--
BTS 511N	Specialty Approval	12,532	309.1	14,894	40.6	18.3	90.1	232	0.0	65.6	6.6	109.5	--
BTS 5448		12,901	304.1	15,238	42.4	18.0	90.5	232	0.0	55.7	--	--	--
SV 1915	Limited Approval	12,382	302.4	14,734	41.4	18.0	90.1	231	0.0	51.0	6.0	99.6	--
SV 1927	Full Approval	13,371	302.2	15,901	44.1	18.0	90.1	233	0.0	54.7	7.1	117.8	--
BTS 5419		12,417	302.1	14,789	40.9	18.0	90.0	231	0.0	55.1	--	--	--
BTS 5255	Full Approval	13,395	301.0	15,877	44.1	17.9	90.5	233	0.0	54.4	5.7	94.6	--
BTS 540N		11,903	300.8	14,198	39.7	18.0	90.0	233	0.0	54.8	--	--	--
SV 1941		11,914	299.4	14,223	39.7	17.9	89.8	232	0.0	56.8	--	--	--
BTS 5678	Full Approval	13,230	297.7	15,753	44.6	17.8	90.0	232	0.0	56.6	5.7	94.6	--
SV 1942N		11,523	297.5	13,819	38.5	17.9	89.4	232	0.0	37.9	--	--	--
BTS 5432		12,446	294.1	14,880	42.0	17.6	89.9	232	0.0	51.4	--	--	--
BTS 5460	Full Approval	12,030	291.8	14,418	41.1	17.5	89.8	232	0.0	57.6	5.6	92.9	--
SV 911	Limited Approval	13,629	290.8	16,215	47.3	17.3	90.3	231	0.0	36.7	6.0	99.6	--
SV 602	Last Year of Sales	13,263	284.2	15,869	46.9	17.0	89.9	228	0.0	39.8	6.5	107.9	--

Mean of Fully Approved (24-25)	13,006	298.2	15,487	43.5	17.8	90.1
97% of Fully Approved (24-25)	12,616	289.2	15,022	42.2	17.2	87.4

Mean of Fully Approved Varieties			
2024 Mean	6.0	100.0	--

CV%	4.2	2.6	3.9	3.8	1.9	0.7	1.1	7.9
LSD (0.05)	593.7	8.6	662.1	1.8	0.4	0.7	2.9	4.5

<u>Cooperator</u>	<u>Planted</u>	<u>Harvested</u>	<u>Plot Size</u>	<u>Notes:</u>
IVRC	10/3/23	4/15/24	2 rows, 30" rows	Experimental Design: RCBD

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.

Mildew rating using 1-9 scale (1=no disease and 9=completely covered with disease. Ratings from 2023-2024 IVRC powdery mildew nursery.

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