

Imperial Valley Late Harvest Official Variety Trials
1 Year Data Summary (2022)

Variety	2022-2023 Marketing Approval	Extractable Sugar/ Acre	Extractable Sugar/Ton	Gross Sugar/ Acre	Tons / Acre	% Sugar	Purity	Final Stand**	% Bolt	% Rot***	Percent Emergence*	Curly Top	% of Mkt. Avg.	Powdery Mildew	% of Mkt. Avg.	Rhizomania Root Rating
BTS 5239		19,577	307.1	23,440	64.9	18.3	90.0	234	0.1	6.1	41.7	--	--	--	--	--
BTS 511N		20,623	294.1	24,614	71.6	17.5	90.4	232	0.0	1.5	43.1	5.2	97.5	--	--	--
BTS 5678	Full Approval	18,995	288.0	22,703	66.6	17.1	90.0	232	0.0	9.0	45.1	5.1	95.6	--	--	--
BTS 5255		20,856	286.4	24,944	73.8	17.0	90.2	233	0.0	0.4	44.4	--	--	--	--	--
BTS 5460	Full Approval	20,059	283.4	24,299	71.9	17.0	89.5	231	0.2	2.7	47.5	5.3	99.4	--	--	--
SV 1915		18,954	282.9	23,014	69.1	17.0	89.3	231	0.0	12.4	42.4	5.3	99.4	--	--	--
SV1927		18,971	282.7	22,934	67.8	17.0	89.6	233	0.3	17.4	43.5	--	--	--	--	--
BTS 5294		15,446	281.9	18,546	54.5	16.9	89.7	235	0.0	29.4	45.2	--	--	--	--	--
BTS 5281		17,630	279.8	21,184	63.8	16.7	89.8	232	0.0	16.8	42.9	--	--	--	--	--
BTS 5775	Full Approval	18,985	279.7	22,931	68.0	16.8	89.5	226	0.1	10.1	43.1	5.6	105.0	--	--	--
BTS 520N		15,818	276.9	19,048	55.9	16.7	89.5	233	0.0	29.6	45.4	--	--	--	--	--
SV 1913N		14,560	276.5	17,622	51.8	16.7	89.1	221	0.5	30.9	35.4	5.4	101.3	--	--	--
BTS 5104		19,432	276.0	23,500	71.4	16.6	89.5	231	0.0	10.7	47.2	5.2	97.5	--	--	--
Hilleshog HIL2421		12,767	270.2	15,613	46.3	16.6	88.1	234	0.1	43.0	40.8	--	--	--	--	--
SV 2997	Limited Approval	18,488	264.6	22,606	71.0	16.1	89.0	232	0.7	10.1	45.1	5.2	97.5	--	--	--

		Mean of Fully Approved Varieties															
		2022 Mean	5.3	100	--	--											
Mean of Fully Approved (22-23)		19,346	283.7	23,311	68.8	17.0	89.7										
97% of Fully Approved (22-23)		18,766	275.2	22,612	66.8	16.5	87.0										
LSD (0.05)		1081.4	6.6	1282.9	4.0	0.3	0.7	4.2	0.3	5.1	4.8	0.4					
C.V.		8.6	3.4	8.5	9.0	2.6	1.1	2.6	315.4	30.1	15.9	5.1					

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

Cooperator	Planted	Harvested	Plot Size
Ruegger Farms	10/6/2021	6/1/2022	2 rows. 30" rows
Gary and Brett Mamer	10/13/2021	7/7/2022	2 rows. 30" rows