

Imperial Valley Late Harvest Official Variety Trials
2 Year Data (2021-2022)

Variety	2022-2023 Marketing Approval	Year	Extractable Sugar/ Acre	Extractable Sugar/ Ton*	Gross Sugar/ Acre	Tons/ Acre	% Sugar	Purity	Final Stand**	% Bolt	% Rot***	Percent Emergence*	Curly Top Rating	% of Mkt. Avg.	Powdery Mildew Rating#	% of Mkt. Avg.	Rhizomania Root Rating*
BTS 511N		2022	20,623	294.1	24,614	71.6	17.5	90.4	232	0.0	1.5	43.1	5.2	97.5	--	--	--
		2021	18,053	310.4	21,014	58.5	18.0	91.9	233	0.0	0.0	63.4	--	--	6.6	94.7	--
		Average	19,338	302.2	22,814	65.0	17.8	91.1	232	0.0	0.8	53.2					
BTS 5678	Full Approval	2022	18,995	288.0	22,703	66.6	17.1	90.0	232	0.0	9.0	45.1	5.1	95.6	--	--	--
		2021	17,311	302.3	20,147	57.4	17.6	91.7	232	0.0	0.0	49.2	5.9	99.4	7.6	109.1	2.0
		Average	18,153	295.2	21,425	62.0	17.4	90.9	232	0.0	4.5	47.2					
SV 1915		2022	18,954	282.9	23,014	69.1	17.0	89.3	231	0.0	12.4	42.4	5.3	99.4	--	--	--
		2021	18,861	303.2	22,096	62.2	17.8	91.2	231	0.0	0.0	61.8	--	--	5.2	74.6	--
		Average	18,908	293.0	22,555	65.6	17.4	90.3	231	0.0	6.2	52.1					
BTS 5460	Full Approval	2022	20,059	283.4	24,299	71.9	17.0	89.5	231	0.2	2.7	47.5	5.3	99.4	--	--	--
		2021	17,525	299.8	20,409	58.3	17.5	91.6	232	0.0	0.0	59.1	5.6	94.4	6.9	99.0	2.1
		Average	18,792	291.6	22,354	65.1	17.3	90.6	232	0.1	1.4	53.3					
BTS 5104		2022	19,432	276.0	23,500	71.4	16.6	89.5	231	0.0	10.7	47.2	5.2	97.5	--	--	--
		2021	18,360	300.2	21,253	61.1	17.4	92.1	230	0.0	0.0	54.4	--	--	7.8	112.0	--
		Average	18,896	288.1	22,376	66.3	17.0	90.8	231	0.0	5.4	50.8					
BTS 5775	Full Approval	2022	18,985	279.7	22,931	68.0	16.8	89.5	226	0.1	10.1	43.1	5.6	105.0	--	--	--
		2021	17,815	295.0	20,852	60.5	17.2	91.5	226	0.0	0.0	40.0	6.3	106.2	6.4	91.9	2.6
		Average	18,400	287.4	21,892	64.3	17.0	90.5	226	0.1	5.1	41.6					
SV 1913N		2022	14,560	276.5	17,622	51.8	16.7	89.1	221	0.5	30.9	35.4	5.4	101.3	--	--	--
		2021	17,624	295.0	20,914	59.8	17.5	90.4	230	0.0	0.0	59.1	--	--	2.1	30.1	--
		Average	16,092	285.7	19,268	55.8	17.1	89.7	226	0.3	15.5	47.2					
SV 2997	Limited Approval	2022	18,488	264.6	22,606	71.0	16.1	89.0	232	0.7	10.1	45.1	5.2	97.5	--	--	--
		2021	18,586	278.0	21,948	66.9	16.4	90.9	228	0.0	0.0	46.9	6.1	102.8	6.9	99.0	2.8
		Average	18,537	271.3	22,277	69.0	16.3	90.0	230	0.4	5.1	46.0					
SV 604N not tested 2022	Nematode Specialty Approval Early-Mid Harvest	2022	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		2021	16,969	280.1	20,217	60.7	16.7	90.4	232	0.0	0.0	58.8	5.7	96.1	4.7	67.5	2.3
		Average	--	--	--	--	--	--	--	--	--	--					

Mean of Fully Approved (22-23)	18,448	291.4	21,890	63.8	17.2	90.6
97% of Fully Approved (22-23)	17,895	282.6	21,233	61.9	16.7	87.9

Mean of Fully Approved Varieties					
2022 Mean	5.3	100.0	--	--	--
2021 Mean	5.9	100.0	7.0	100.0	--

LSD (0.05)	2022	1081.4	6.6	1282.9	4.0	0.3	0.7	4.2	0.3	5.1	4.8	0.4	--	--
	2021	932.7	5.6	1071.7	3.1	0.2	0.6	5.2	--	--	5.3	0.5	0.5	0.5
C.V.	2022	8.6	3.4	8.5	9.0	2.6	1.1	2.6	315.4	30.1	15.9	5.1	--	--
	2021	4.7	1.8	4.6	4.5	1.3	0.6	2.1	--	--	8.9	7.0	6.9	--

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.

2021 Powdery mildew data is from ratings taken at 2020-2021 Late Harvest Loc. 2 yield trial. Rating scale 1-9 with lower ratings meaning less disease and higher ratings meaning more disease.

Cooperator	Planted	Harvested	Plot Size
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
Jason Taylor	10/12/2020	6/9/2021	2 rows -- 30 in. 4 x 4 lattice