

**Imperial Valley Early Harvest Official Variety Trials
1 Year Data (2022)**

Variety	Approval Status for 2022-23 crop	Extractable Sugar/Acre	Extractable Sugar/Ton	Gross Sugar/Acre	Tons/ Acre	% Sugar	Purity	Final Stand**	% Bolt	Percent Emergence*	Curly Top	% of Mkt.	Powdery Mildew	% of Mkt. Avg.	Rhizomania Root Rating
BTS 5255		10,819	272.7	13,471	39.4	17.0	87.2	214	0.0	53.4	--		--		--
Hilleshog HIL2421		8,318	270.3	10,495	31.0	17.0	86.6	212	0.0	49.0	--		--		--
BTS 5678	Full Approval	10,573	267.1	13,245	39.4	16.8	87.0	213	0.0	54.5	--		--		--
SV 983	Full Approval	9,940	266.4	12,454	37.3	16.7	87.0	202	0.0	38.1	--		--		--
BTS 5239		9,260	264.7	11,795	34.8	16.9	86.0	212	0.0	49.9	--		--		--
BTS 5104		9,771	264.1	12,276	37.1	16.6	86.8	212	0.0	58.5	--		--		--
BTS 511N		9,945	264.0	12,562	37.8	16.7	86.5	212	0.0	53.0	--		--		--
SV 1927		10,161	263.0	12,703	38.7	16.5	87.2	212	0.0	58.5	--		--		--
BTS 520N		10,175	262.9	12,823	39.0	16.6	86.7	212	0.0	52.1	--		--		--
SV 1913N		9,258	262.0	11,786	35.4	16.7	86.2	211	0.0	47.1	--		--		--
SV 1915		9,846	261.7	12,443	37.9	16.5	86.8	211	0.0	49.6	--		--		--
BTS 5460	Full Approval	9,910	261.2	12,490	38.0	16.5	86.7	213	0.0	52.0	--		--		--
BTS 5294		9,223	260.2	11,669	35.4	16.5	86.4	212	0.0	48.4	--		--		--
BTS 5281		8,625	257.5	10,937	33.5	16.3	86.4	211	0.0	46.6	--		--		--
SV 501	Full Approval	9,562	257.3	12,046	37.3	16.2	86.8	212	0.0	60.2	--		--		--
BTS 5775	Full Approval	9,235	256.4	11,735	36.3	16.3	86.3	206	0.0	42.4	--		--		--
SV 602	Full Approval	10,602	255.8	13,293	41.4	16.1	87.1	211	0.0	49.4	--		--		--
SV 911		10,361	252.9	13,073	41.0	16.0	86.8	212	0.0	50.2	--		--		--
Hilleshog HIL2420		9,946	252.7	12,550	39.5	15.9	86.8	211	0.0	47.9	--		--		--

Mean of Fully Approved (22-23)	9,970	260.7	12,544	38.3	16.4	86.8
97% of Fully Approved (22-23)	9,671	252.9	12,167	37.1	15.9	84.2

CV%	2.9	2.3	2.5	2.5	1.9	0.6	7.6	--	2.3
LSD (0.05)	587.0	NS	640.8	2.0	NS	NS	8.1	--	NS

<u>Cooperator</u>	<u>Planted</u>	<u>Harvested</u>	<u>Plot Size</u>	<u>Notes:</u>
Horizon Farms	9/15/21	3/30/22	2 rows. 30" rows.	Experimental Design: RCBD
Lance Reeves	9/25/21	4/6/22	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.