

**Imperial Valley Early Harvest Official Variety Trials
3 Year Data (2020-2022)**

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
SV 983	Full Approval														
2022 Trial		9,940	266.4	12,454	37.3	16.7	87.0	202	0.0	38.1	--	--	--	--	--
2021 Trial		12,329	286.6	14,676	42.9	17.1	89.8	223	0.0	42.4	5.8	98.0	6.4	95.3	2.4
2020 Trial		10,786	299.9	12,785	36.0	17.8	90.4	207	0.0	53.1	5.3	95.8	--	--	2.3
Average		11,018	284.3	13,305	38.7	17.2	89.1	211	0.0	44.5					
BTS 5678	Full Approval														
2022 Trial		10,573	267.1	13,245	39.4	16.8	87.0	213	0.0	54.5	--	--	--	--	--
2021 Trial		12,097	282.0	14,499	42.7	16.9	89.7	222	0.0	38.4	5.9	99.7	7.4	110.2	2.0
2020 Trial		10,111	279.4	12,137	36.2	16.8	89.8	233	0.0	69.9	5.2	94.0	--	--	1.6
Average		10,927	276.2	13,294	39.4	16.8	88.8	223	0.0	54.3					
BTS 5460	Full Approval														
2022 Trial		9,910	261.2	12,490	38.0	16.5	86.7	213	0.0	52.0	--	--	--	--	--
2021 Trial		11,512	280.4	13,878	40.8	16.9	89.5	223	0.0	48.3	5.6	94.6	7.8	116.1	2.1
2020 Trial		9,540	280.2	11,489	34.1	16.9	89.5	228	0.0	57.3	5.2	94.0	--	--	1.6
Average		10,321	273.9	12,619	37.6	16.8	88.6	221	0.0	52.5					
SV 501	Full Approval														
2022 Trial		9,562	257.3	12,046	37.3	16.2	86.8	212	0.0	60.2	--	--	--	--	--
2021 Trial		11,901	276.5	14,341	43.1	16.7	89.4	225	0.0	51.2	5.9	99.7	6.1	90.8	2.4
2020 Trial		9,900	283.0	11,804	35.0	16.9	90.1	209	0.0	36.8	5.6	101.2	--	--	2.2
Average		10,454	272.3	12,730	38.5	16.6	88.8	215	0.0	49.4					
BTS 5775	Full Approval														
2022 Trial		9,235	256.4	11,735	36.3	16.3	86.3	206	0.0	42.4	--	--	--	--	--
2021 Trial		11,476	273.4	13,838	42.5	16.5	89.5	210	0.0	29.0	6.3	106.5	6.2	92.3	2.6
2020 Trial		9,158	279.7	11,050	32.8	16.9	89.4	214	0.0	44.3	5.8	104.8	--	--	2.1
Average		9,956	269.8	12,208	37.2	16.6	88.4	210	0.0	38.6					
SV 602	Full Approval														
2022 Trial		10,602	255.8	13,293	41.4	16.1	87.1	211	0.0	49.4	--	--	--	--	--
2021 Trial		12,398	269.8	14,867	45.8	16.2	89.7	221	0.0	43.1	6.0	101.4	6.4	95.3	2.6
2020 Trial		10,439	276.1	12,454	37.8	16.5	90.2	184	0.0	22.4	6.1	110.2	--	--	2.3
Average		11,146	267.2	13,538	41.7	16.3	89.0	205	0.0	38.3					

Mean of Fully Approved (22-23)	10,637	274.0	12,949	38.9	16.7	88.8
97% of Fully Approved (22-23)	10,318	265.7	12,560	37.7	16.2	86.1

2022 Mean	--	--	--	--	--
2021 Mean	5.9	100	6.7	100	2.4
2020 Mean	5.5	100	--	--	2.0

CV%

2022 Trial	2.9	2.3	2.5	2.5	1.9	0.6	7.6	--	2.3	--	--	--
2021 Trial	5.4	2.2	5.1	4.9	1.7	0.8	2.3	--	8.3	7.0	7.7	n/a
2020 Trial	4.9	1.7	5.0	5.3	1.2	0.6	3.8	--	7.8	3.6	--	n/a

LSD (0.05)

2022 Trial	587.0	NS	640.8	2.0	NS	NS	8.1	--	NS	--	--	--
2021 Trial	428.1	4.2	491.4	1.4	0.2	0.5	3.6	--	2.8	0.5	0.6	0.5
2020 Trial	482.9	4.9	586.3	1.9	0.2	0.6	8.3	--	4.1	0.2	--	0.2

Cooperator

Horizon Farms	9/15/21	3/30/22
Lance Reeves	9/25/21	4/6/22
Russell Allen	9/23/20	4/13-14/21
Brian Hair	10/28/20	5/17-18/21
Cameron Ranches	9/14/19	4/6/20

Planted

Harvested

Plot Size

Notes:

2 rows. 30" rows.	Experimental Design: RCBD
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2 rows. 30" rows.	Experimental Trial Design : 4X4 lattice

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.

*** 2021 Powdery mildew ratings are average of two raters at 2021 EH Location 2 yield trial. Ratings on 1-9 scale. 1=low disease, 9 = high disease