

**Imperial Valley Early Harvest Official Variety Trials
2 Year Data (2020-2021)**

Variety	Approval Status for 2021-22 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.	Rhizomania Root Rating
SV 983	Full Approval										--- M = 150 ---		-- M = 100		
2021 Trial		12,329	286.6	14,676	42.9	17.1	89.8	223	0.0	42.4					
2020 Trial		10,786	299.9	12,785	36.0	17.8	90.4	207	0.0	53.1	5.3	94.9	--	--	2.3
Average		11,558	293.3	13,731	39.5	17.5	90.1	215	0.0	47.8					
BTS 582N															
2021 Trial		10,866	288.5	13,106	37.9	17.4	89.4	226	0.0	52.9					
2020 Trial		9,718	290.0	11,768	33.5	17.6	89.0	234	0.0	76.0	5.4	96.7	--	--	2.1
Average		10,292	289.3	12,437	35.7	17.5	89.2	230	0.0	64.5					
BTS 5983															
2021 Trial		11,722	283.3	14,065	41.1	16.9	89.7	224	0.0	53.5					
2020 Trial		9,931	285.6	11,915	34.5	17.1	89.7	236	0.0	72.5	5.3	94.9	--	--	2.1
Average		10,827	284.5	12,990	37.8	17.0	89.7	230	0.0	63.0					
BTS 5678	Full Approval														
2021 Trial		12,097	282.0	14,499	42.7	16.9	89.7	222	0.0	38.4					
2020 Trial		10,111	279.4	12,137	36.2	16.8	89.8	233	0.0	69.9	5.2	93.1	--	--	1.6
Average		11,104	280.7	13,318	39.5	16.9	89.8	228	0.0	54.2					
BTS 5460	Full Approval														
2021 Trial		11,512	280.4	13,878	40.8	16.9	89.5	223	0.0	48.3					
2020 Trial		9,540	280.2	11,489	34.1	16.9	89.5	228	0.0	57.3	5.2	93.1	--	--	1.6
Average		10,526	280.3	12,684	37.5	16.9	89.5	226	0.0	52.8					
SV501	Full Approval														
2021 Trial		11,901	276.5	14,341	43.1	16.7	89.4	225	0.0	51.2					
2020 Trial		9,900	283.0	11,804	35.0	16.9	90.1	209	0.0	36.8	5.6	100.3	--	--	2.2
Average		10,901	279.8	13,073	39.1	16.8	89.8	217	0.0	44.0					
BTS 5775	Full Approval														
2021 Trial		11,476	273.4	13,838	42.5	16.5	89.5	210	0.0	29.0					
2020 Trial		9,158	279.7	11,050	32.8	16.9	89.4	214	0.0	44.3	5.8	103.8	--	--	2.1
Average		10,317	276.6	12,444	37.7	16.7	89.5	212	0.0	36.7					
SV 602	Full Approval														
2021 Trial		12,398	269.8	14,867	45.8	16.2	89.7	221	0.0	43.1					
2020 Trial		10,439	276.1	12,454	37.8	16.5	90.2	184	0.0	22.4	6.1	109.2	--	--	2.3
Average		11,419	273.0	13,661	41.8	16.4	90.0	203	0.0	32.8					
SV 981	Full Approval														
2021 Trial		12,101	269.4	14,501	45.2	16.2	89.8	225	0.0	43.5					
2020 Trial		11,120	274.8	13,288	40.5	16.4	90.1	222	0.0	54.5	5.9	105.6	--	--	2.3
Average		11,611	272.1	13,895	42.9	16.3	90.0	224	0.0	49.0					

Mean of Fully Approved (21-22)		11,062	279.4	13,258	39.7	16.8	89.8				2021 Mean	--		--	--
97% of Fully Approved (21-22)		10,730	271.0	12,860	38.5	16.3	87.1				2020 Mean	5.6	100	--	2.1

CV

2021 Trial	5.4	2.2	5.1	4.9	1.7	0.8	2.3	--	8.3						
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)

2021 Trial	428.1	4.2	491.4	1.4	0.2	0.5	3.6	--	2.8						
2020 Trial	482.9	4.9	586.3	1.9	0.2	0.6	8.3	--	4.1	0.2	--	--			0.2

Cooperator

Cooperator	Planted	Harvested	Plot Size
Russell Allen	9/23/20	4/13-14/2021	2 rows, 30' rows.
Brian Hair	10/28/2020	5/17-18/2021	2 rows, 30' rows.
Cameron Ranches	9/14/19	4/6/20	2 rows, 30' rows.

Notes:

Experimental Design: RCBD
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Experimental 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 Disease nursery ratings not yet available.