

**Imperial Valley Early Harvest Official Variety Trials
2 Year Data (2019-2020)**

Variety	Approval Status for 2020-21 crop	Extractable Sugar/ Acre	Extractable Sugar/ Ton	Gross Sugar/ Acre	Tons/ Acre	% Sugar	Final Stand ^u	% Bolt	Purity	Percent Emergence		Curly Top	% of Mkt.	Erwinia Root Rot (DI)	% of Mkt. Avg.	Powdery Mildew	% of Entry Avg.	Rhizomania Root Rating
												--- M = 150 ---		--M = 300		-- M = 100		
SV 983	Full Approval																	
2020 Trial		10,786	299.9	12,785	36.0	17.8	207	0.0	90.4	53.1		5.3	94.4	--	--	--	--	2.3
2019 Trial		11,241	327.2	13,126	34.2	19.1	211	0.0	91.1	64.5		5.5	93.2	3.2	14.5	7.0	142.4	1.8
Average		11,014	313.6	12,956	35.1	18.5	209	0.0	90.8	58.8								
SV 992																		
2020 Trial		10,323	285.2	12,374	36.2	17.1	212	0.0	89.8	38.5		5.5	98.0	--	--	--	--	2.2
2019 Trial		11,608	328.8	13,606	36.5	19.3	203	0.0	90.9	34.9		--	--	--	--	--	--	--
Average		10,966	307.0	12,990	36.4	18.2	208	0.0	90.4	36.7								
BTS 582N																		
2020 Trial		9,718	290.0	11,768	33.5	17.6	234	0.0	89.0	76.0		5.4	96.2	--	--	--	--	2.1
2019 Trial		10,097	323.0	11,838	31.1	18.9	213	0.0	91.0	68.7		5.9	100.0	27.1	122.3	4.2	85.4	1.6
Average		9,908	306.5	11,803	32.3	18.3	224	0.0	90.0	72.4								
SV501	Full Approval																	
2020 Trial		9,900	283.0	11,804	35.0	16.9	209	0.0	90.1	36.8		5.6	99.8	--	--	--	--	2.2
2019 Trial		11,306	326.4	13,240	34.8	19.1	196	0.0	91.0	42.0		5.8	98.3	2.2	10.0	4.7	95.6	2.1
Average		10,603	304.7	12,522	34.9	18.0	203	0.0	90.6	39.4								
BTS 5775	Full Approval																	
2020 Trial		9,158	279.7	11,050	32.8	16.9	214	0.0	89.4	44.3		5.8	103.3	--	--	--	--	2.1
2019 Trial		11,514	328.2	13,478	35.1	19.2	214	0.0	91.0	61.8		6.0	101.7	36.2	163.8	3.8	77.3	2.1
Average		10,336	304.0	12,264	34.0	18.1	214	0.0	90.2	53.1								
BTS 5983																		
2020 Trial		9,931	285.6	11,915	34.5	17.1	236	0.0	89.7	72.5		5.3	94.4	--	--	--	--	2.1
2019 Trial		11,037	320.3	12,884	34.4	18.7	215	0.0	91.3	47.0		--	--	--	--	--	--	--
Average		10,484	303.0	12,400	34.5	17.9	226	0.0	90.5	59.8								
BTS 5678	Full Approval																	
2020 Trial		10,111	279.4	12,137	36.2	16.8	233	0.0	89.8	69.9		5.2	92.7	--	--	--	--	1.6
2019 Trial		11,448	316.8	13,453	36.1	18.6	213	0.0	90.8	65.1		5.7	96.6	31.3	141.7	6.1	124.1	1.5
Average		10,780	298.1	12,795	36.2	17.7	223	0.0	90.3	67.5								
BTS 5460	Full Approval																	
2020 Trial		9,540	280.2	11,489	34.1	16.9	228	0.0	89.5	57.3		5.2	92.7	--	--	--	--	1.6
2019 Trial		10,945	313.3	12,903	35.1	18.5	212	0.0	90.6	71.0		5.8	98.3	45.3	204.9	4.3	87.5	1.4
Average		10,243	296.8	12,196	34.6	17.7	220	0.0	90.1	64.2								
SV 981	Full Approval																	
2020 Trial		11,120	274.8	13,288	40.5	16.4	222	0.0	90.1	54.5		5.9	105.1	--	--	--	--	2.3
2019 Trial		11,841	309.0	13,987	38.5	18.3	210	0.0	90.5	46.9		6.1	103.4	2.8	12.7	6.3	128.1	1.8
Average		11,481	291.9	13,638	39.5	17.4	216	0.0	90.3	50.7								
SV 972	Full Approval																	
2020 Trial		9,938	273.1	11,861	36.4	16.3	176	0.0	90.2	26.5		5.8	103.3	--	--	--	--	2.2
2019 Trial		11,957	309.0	14,052	38.9	18.1	208	0.0	91.0	49.9		6.1	103.4	12.3	55.6	3.9	79.3	1.8
Average		10,948	291.1	12,957	37.7	17.2	192	0.0	90.6	38.2								
SV 602	Full Approval																	
2020 Trial		10,439	276.1	12,454	37.8	16.5	184	0.0	90.2	22.4		6.1	108.7	--	--	--	--	2.3
2019 Trial		12,058	305.9	14,191	39.1	18.0	209	0.0	90.8	50.1		6.0	101.7	5.3	24.0	6.7	136.3	1.7
Average		11,249	291.0	13,323	38.5	17.3	197	0.0	90.5	36.3								

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Mean of Fully Approved (19-20)		10,693	297.6	12,676	36.0	17.7	208	0.0	90.4	49.8	2020 Mean	5.6	100	--	--	--	--	2.1
97% of Fully Approved (19-20)		10,372	288.7	12,296	34.9	17.1	202	0.0	87.7	48.3	2019 Mean	5.9	100	22.1	100	4.9	100	1.8
Pr>F																		
2020 Trial		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	--	<0.0001	<0.0001		<0.0001		--		--		<0.0001
2019 Trial		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	--	0.036	<0.0001		<0.0001		<0.0001		<0.0001		<0.0001
CV																		
2020 Trial		4.9	1.7	5.0	5.3	1.2	3.84	--	0.6	7.8		3.6		--		--		n/a
2019 Trial		8.3	1.9	8.2	8.5	1.4	3.4	--	0.7	12.0		4.2		44.2		25.0		n/a
LSD (0.05)																		
2020 Trial		482.9	4.9	586.3	1.9	0.2	8.3	--	0.6	4.1		0.2		--		--		0.2
2019 Trial		922.3	6.0	1014.2	3.0	0.3	7.1	--	0.6	6.6		0.3		7.8				0.6
<u>Cooperator</u>		<u>Planted</u>	<u>Harvested</u>	<u>Plot Size</u>		<u>Notes:</u>												
Cameron Ranches		9/14/19	4/6/20	2 rows. 30" rows.		Experimental Trial Design : 4X4 lattice												
Imperial Ag.		10/31/18	6/5/19	2 rows. 30" rows.		Experimental Trial Design : 4X5 lattice												

* 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.