

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

Variety	Approval Status for 2019-20 crop	Extractable Sugar/ Acre	Extractable Sugar/ Ton	Gross Sugar/ Acre	Tons/ Acre	% Sugar	Final Stand**	% Bolt	Purity	Percent Emergence*	Curly Top	% of Mkt.	Erwinia Root Rot (DI)	% of Mkt. Avg.	Powdery Mildew	% of Trial Avg.	Rhizomania Root Rating
											--- M = 150 ---		--M = 300		-- M = 100		
SV 991		10,717	330.0	12,590	32.7	19.4	209	0.0	90.6	63.5	--	--	--	--	--	--	--
SV 992		11,608	328.8	13,606	36.5	19.3	203	0.0	90.9	34.9	--	--	--	--	--	--	--
BTS 5775	Full Approval	11,514	328.2	13,478	35.1	19.2	214	0.0	91.0	61.8	6.0	101.9	36.2	184.3	3.8	76.3	2.1
SV 983		11,241	327.2	13,126	34.2	19.1	211	0.0	91.1	64.5	5.5	93.4	3.2	16.3	7.0	140.6	1.8
SV 501	Full Approval	11,306	326.4	13,240	34.8	19.1	196	0.0	91.0	42.0	5.8	98.5	2.2	11.3	4.7	94.4	2.1
SV 994		10,890	324.5	12,852	33.5	19.2	213	0.0	90.5	61.7	--	--	--	--	--	--	--
BTS 582N		10,097	323.0	11,838	31.1	18.9	213	0.0	91.0	68.7	5.9	100.2	27.1	137.6	4.2	84.4	1.6
BTS 5983		11,037	320.3	12,884	34.4	18.7	215	0.0	91.3	47.0	--	--	--	--	--	--	--
SV 993		10,546	319.2	12,504	33.2	18.9	190	0.0	90.1	28.5	--	--	--	--	--	--	--
BTS 595N		10,607	316.9	12,454	33.8	18.6	208	0.0	91.0	56.9	--	--	--	--	--	--	--
BTS 5678	Full Approval	11,448	316.8	13,453	36.1	18.6	213	0.0	90.8	65.1	5.7	96.8	31.3	159.4	6.1	122.5	1.5
BTS 5919		11,720	313.9	13,831	37.5	18.5	212	0.0	90.6	58.2	--	--	--	--	--	--	--
BTS 5460	Full Approval	10,945	313.3	12,903	35.1	18.5	212	0.0	90.6	71.0	5.8	98.5	45.3	230.5	4.3	86.4	1.4
SV 401		12,254	312.0	14,382	39.4	18.3	208	0.0	91.0	53.8	6.1	103.6	16.4	83.5	5.9	118.5	2.5
SV 972	Full Approval	11,957	309.0	14,052	38.9	18.1	208	0.0	91.0	49.9	6.1	103.6	12.3	62.6	3.9	78.3	1.8
SV 981	Limited Approval	11,841	309.0	13,987	38.5	18.3	210	0.0	90.5	46.9	6.1	103.6	2.8	14.4	6.3	126.6	1.8
SV 602	Full Approval	12,058	305.9	14,191	39.1	18.0	209	0.0	90.8	50.1	6.0	101.9	5.3	27.0	6.7	134.6	1.7
BTS 5600	Full Approval	11,930	305.4	14,166	39.0	18.1	208	0.0	90.2	66.0	6.1	103.6	27.2	138.5	4.6	92.4	0.8
BTS 566N	Full Approval	9,440	304.5	11,247	31.8	18.2	208	0.0	90.0	72.7	5.4	91.7	14.2	72.0	4.4	88.4	1.9

Mean of Fully Approved (18-19)	11,340	312.0	13,369	36.5	18.4	208	0.0	90.6	60.1	5.9	100	19.7	100	5.0	100	1.7
97% of Fully Approved (18-19)	11,000	302.7	12,968	35.4	17.9	201	0.0	87.9	58.3							
Pr>F	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	n/a	0.036	<0.0001	<0.0001		<0.0001		<0.0001		<0.0001
CV	8.3	1.9	8.2	8.5	1.4	3.4	n/a	0.7	12.0	4.2		44.2		25.0		n/a
LSD 0.05	922	6.0	1014	3.0	0.3	7.1	n/a	0.6	6.6	0.3		7.8				0.6

Cooperator Planted Harvested Plot Size
 Imperial Ag. 10/31/18 6/5/19 Plot Size: 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.