

Imperial Valley Late Harvest Official Variety Trials
1 Year Data Summary (2019)

Variety	Marketing Approval	Extractable Sugar/ Acre	Extractable Sugar/ Ton*	Gross Sugar/ Acre	Tons / Acre	% Sugar	Purity	Final Stand Beets/100'	% Bolt	% Rot	Percent Emergence	Curly Top M = 150	% of Mkt. Avg. M = 300	Erwinia Root Rot (DI) M = 100	% of Mkt. Avg.	Powdery Mildew M = 100	% of Mkt. Avg.	Rhizomania Root Rating
BTS 582N		21,166	300.7	24,995	70.8	17.7	90.7	255	0.0	0.4	76.8	5.9	101.9	--	--	4.2	83.8	--
MA 722		20,108	289.9	23,927	69.6	17.2	90.3	225	0.9	0.5	33.3	5.7	98.5	--	--	--	--	--
BTS 5983		22,609	289.9	26,700	78.1	17.1	90.8	253	0.1	0.5	46.6	--	--	--	--	--	--	--
BTS 595N		21,083	289.0	24,953	73.0	17.1	90.7	256	0.0	0.4	58.1	--	--	--	--	--	--	--
BTS 5678	Full Approval	22,333	288.7	26,465	77.2	17.1	90.5	256	0.1	0.1	67.9	5.7	98.5	--	--	6.1	121.7	--
BTS 5919		22,446	287.3	26,608	78.2	17.0	90.5	254	0.0	0.0	51.7	--	--	--	--	--	--	--
BTS 5460	Full Approval	21,647	286.0	25,632	75.6	16.9	90.6	257	0.0	0.0	74.5	5.8	100.2	--	--	4.3	85.8	--
BTS 566N	Full Approval	20,845	282.2	24,937	73.4	17.0	89.7	254	0.0	0.1	75.0	5.4	93.3	--	--	4.4	87.8	--
SV 2998		20,944	279.1	25,131	75.2	16.7	89.8	256	0.1	0.9	84.4	--	--	--	--	--	--	--
BTS 5775	Limited Approval	22,758	277.2	27,389	82.2	16.7	89.6	254	0.0	0.5	58.1	6.0	103.7	--	--	3.8	75.8	--
BTS 5600	Full Approval	22,854	274.7	27,322	83.3	16.4	90.1	252	0.0	0.2	65.4	6.1	105.4	--	--	4.6	91.8	--
SV 971	Full Approval	18,553	274.3	22,386	67.4	16.6	89.2	166	0.4	0.7	22.0	5.7	98.5	--	--	6.7	133.7	--
SV 2983		19,620	273.2	23,836	72.1	16.6	89.0	258	1.0	0.4	79.1	5.5	95.0	--	--	4.4	87.8	--
SV 2999		21,854	264.6	26,344	82.6	16.0	89.7	257	0.9	0.3	70.2	--	--	--	--	--	--	--
SV 2997		22,353	264.5	26,999	84.7	16.0	89.6	256	0.0	0.3	80.7	--	--	--	--	--	--	--
SV 2982		22,301	264.3	26,987	84.3	16.0	89.4	254	0.2	0.7	69.6	--	--	--	--	--	--	--
SV 143	Full Approval	22,000	260.8	26,695	84.2	15.9	89.2	254	0.6	0.5	67.5	5.8	100.2	--	--	4.4	87.8	--
SV 604	Full Approval	21,425	258.4	26,033	82.4	15.7	89.1	254	0.1	0.7	50.5	5.8	100.2	--	--	5.8	115.7	--

* varieties ranked by Extractable Sugar per Ton

Mean of Fully Approved	21,380	275.0	25,639	77.6	16.5	89.8						5.8	100.0			5.0	100.0	
97% of Full Approved	20,738	266.8	24,869	75.3	16.0	87.1												
Pr>F	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001				<0.0001		
LSD	1084.0	7.8	1234.0	3.8	0.4	0.7	5.1	0.5	0.8	5.0	0.3							
C.V.	5.2	2.9	4.9	5.0	2.2	0.8	2.1	254.9	211.0	8.1	4.2					25.0		

<u>Cooperator</u>	<u>Planted</u>	<u>Harvested</u>	<u>Plot Size</u>
Paul Cameron	10/18/2019	7/15-16/2019	2 rows -- 30 in. 4 x 5 lattice

* 2019 Nursery data not yet available.