

Imperial Valley Late Harvest Official Variety Trials
1 Year Data Summary (2020)

Variety	2020-2021 Marketing Approval	Extractable Sugar/ Acre	Extractable Sugar/ Ton*	Gross Sugar/ Acre	Tons / Acre	% Sugar	Purity	Final Stand Beets/100'	% Bolt	% Rot ^w	Percent Emergence	Curly Top	% of Mkt. Avg.	Erwinia Root Rot (DI)	% of Mkt. Avg.	Powdery Mildew	% of Mkt. Avg.	Rhizomania Root Rating
												M = 150		M = 300		M = 100		
BTS 5678	Full Approval	21,057	294.2	24,882	72.7	17.4	90.8	231	0.0	1.9	75.9	5.2	95.9	n/a		n/a		1.6
BTS 5021		21,314	290.6	25,318	74.5	17.2	90.5	232	0.0	0.9	75.1	--	--	n/a		n/a		--
BTS 582N		18,504	290.0	22,040	65.5	17.3	90.2	234	0.0	0.2	78.9	5.4	99.6	n/a		n/a		2.1
BTS 5460	Full Approval	20,735	290.0	24,537	73.3	17.1	90.7	234	0.1	0.2	71.1	5.2	95.9	n/a		n/a		1.6
BTS 507N		18,452	287.1	22,135	65.0	17.2	89.8	232	0.0	0.3	75.7	--	--	n/a		n/a		--
BTS 5983		20,669	285.6	24,575	73.6	16.9	90.4	234	0.0	0.5	77.3	5.3	97.8	n/a		n/a		2.1
BTS 5775	Full Approval	21,856	285.0	26,032	78.3	17.0	90.3	230	0.0	0.7	65.8	5.8	107.0	n/a		n/a		2.1
BTS 5042		20,055	284.5	23,858	71.9	16.9	90.4	234	0.0	0.1	79.6	--	--	n/a		n/a		--
SV 981		21,201	274.1	25,404	78.1	16.4	90.0	230	0.0	1.2	61.8	5.9	108.9	n/a		n/a		2.3
SV 2997N		20,745	269.5	24,987	79.1	16.2	89.8	233	0.1	0.2	81.3	5.6	103.3	n/a		n/a		2.4
SV 143N	Full Approval	17,738	264.4	21,550	68.6	16.0	89.2	233	0.2	0.2	68.5	5.5	101.5	n/a		n/a		2.3
SV 1902N		17,132	263.6	20,875	66.6	16.0	89.0	232	0.0	0.1	69.7	--	--	n/a		n/a		--
SV 2982N	Limited Approval	18,452	261.9	22,339	71.8	15.8	89.4	233	0.4	0.0	67.8	5.4	99.6	n/a		n/a		2.2
SV 604N	Full Approval	17,348	256.8	21,130	68.5	15.6	89.1	228	0.2	0.1	57.8	5.4	99.6	n/a		n/a		2.1

* varieties ranked by Extractable Sugar per Ton

Mean of 20-21 Full Approved	19,747	278.1	23,626	72.3	16.6	90.0						5.4	100				1.9
97% of 20-21 Full Approved	19,154	269.7	22,917	70.1	16.1	87.3											
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	775.8	6.2	859.9	3.1	0.3	0.5	2.8	0.5			4.9	0.2					0.2
C.V.	4.3	2.4	4.0	4.7	1.9	0.6	1.3	326.6			7.5	3.6					n/a

Cooperator	Planted	Harvested	Plot Size
Fritz Ruegger	10/12/2019	6/17/2020	2 rows -- 30 in. 4 x 4 lattice
Westmoreland Farms	10/10/2019	8/10-11/2020	2 rows -- 30 in. 4 x 4 lattice

* 2020 Nursery data not yet available.

^w Percent rot data is only from Westmoreland location. No rot present at Ruegger location.