

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

Variety	2021-2022 Marketing Approval	Year	Extractable Sugar/ Acre	Extractable Sugar/ Ton [†]	Gross Sugar/ Acre	Tons/ Acre	% Sugar	Purity	Final Stand Beets/ 100'	% Bolt	% Rot ^w	Percent Emergence	Curly Top Rating	% of Mkt. Avg.	Powdery Mildew Rating*	% of Mkt. Avg.	Rhizomania Root Rating*
													--- M = 150 ---		-- M = 100		
BTS 5678	Full Approval	2021	17,311	302.3	20,147	57.4	17.6	91.7	232	0.0	0.0	49.2	5.9	100.4	--		--
		2020	21,057	294.2	24,882	72.7	17.4	90.8	231	0.0	1.9	75.9	5.2	96.3	n/a		1.6
		Average	19,184	298.3	22,515	65.1	17.5	91.3	232	0.0	1.0	62.6	5.6				
Beta 582N		2021	16,959	305.0	19,763	55.0	17.8	91.3	229	0.0	0.0	58.3	5.9	100.4	--		--
		2020	18,504	290.0	22,040	65.5	17.3	90.2	234	0.0	0.2	78.9	5.4	100.0	n/a		2.1
		Average	17,732	297.5	20,902	60.3	17.6	90.8	232	0.0	0.1	68.6	5.7				
BTS 5460	Full Approval	2021	17,525	299.8	20,409	58.3	17.5	91.6	232	0.0	0.0	59.1	5.6	95.3	--		--
		2020	20,735	290.0	24,537	73.3	17.1	90.7	234	0.1	0.2	71.1	5.2	96.3	n/a		1.6
		Average	19,130	294.9	22,473	65.8	17.3	91.2	233	0.1	0.1	65.1	5.4				
Beta 5983		2021	17,587	299.4	20,500	58.9	17.4	91.7	232	0.0	0.0	57.7	5.6	95.3	--		--
		2020	20,669	285.6	24,575	73.6	16.9	90.4	234	0.0	0.5	77.3	5.3	98.1	n/a		2.1
		Average	19,128	292.5	22,538	66.3	17.2	91.1	233	0.0	0.3	67.5	5.5				
BTS 5775	Full Approval	2021	17,815	295.0	20,852	60.5	17.2	91.5	226	0.0	0.0	40.0	6.3	107.2	--		--
		2020	21,856	285.0	26,032	78.3	17.0	90.3	230	0.0	0.7	65.8	5.8	107.4	n/a		2.1
		Average	19,836	290.0	23,442	69.4	17.1	90.9	228	0.0	0.4	52.9	6.1				
SV 981		2021	18,561	280.4	21,810	65.8	16.5	91.3	228	0.0	0.0	51.9	6.2	105.5			
		2020	21,201	274.1	25,404	78.1	16.4	90.0	230	0.0	1.2	61.8	5.9	109.3	n/a		2.3
		Average	19,881	277.3	23,607	72.0	16.5	90.7	229	0.0	0.6	56.9	6.1				
SV 2997N	Limited Approval	2021	18,586	278.0	21,948	66.9	16.4	90.9	228	0.0	0.0	46.9	6.1	103.8	--		--
		2020	20,745	269.5	24,987	79.1	16.2	89.8	233	0.1	0.2	81.3	5.6	103.7	n/a		2.4
		Average	19,666	273.8	23,468	73.0	16.3	90.4	231	0.1	0.1	64.1	5.9				
SV604N	Full Approval	2021	16,969	280.1	20,217	60.7	16.7	90.4	232	0.0	0.0	58.8	5.7	97.0	--		--
		2020	17,348	256.8	21,130	68.5	15.6	89.1	228	0.2	0.1	57.8	5.4	100.0	n/a		2.1
		Average	17,159	268.5	20,674	64.6	16.2	89.8	230	0.1	0.1	58.3	5.6				

[†] varieties ranked by Extractable Sugar per Ton

^w Percent rot data for 2020 is from Westmoreland site only. No rot present at Ruegger site. For rot information from 2021, refer to 20-21 Loc. 2 tab

Mean of 21-22 Fully Approved	18,827	287.9	22,276	66.2	17.0	90.8
97% of 21-22 Fully Approved	18,262	279.3	21,607	64.2	16.5	88.0

		Mean of Approved Varieties		
2021 Mean	5.9	100.0	--	--
2020 Mean	5.4	100.0		1.9

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													--- M = 150 ---		-- M = 100		
	LSD (0.05)	2021	932.7	5.6	1071.7	3.1	0.2	0.6	5.2	--	--	5.3	0.5				
		2020	775.8	6.2	859.9	3.1	0.3	0.5	2.8	0.5		4.9	0.2				0.2
	C.V.	2021	4.7	1.8	4.6	4.5	1.3	0.6	2.1	--	--	8.9	7.0				
		2020	4.3	2.4	4.0	4.7	1.9	0.6	1.3	326.6		7.5	3.6				n/a

<u>Cooperator</u>	<u>Planted</u>	<u>Harvested</u>	<u>Plot Size</u>
Jason Taylor	10/12/2020	6/9/2021	2 rows -- 30 in. 4 x 4 lattice
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

* Disease nursery ratings: Lower numbers are more resistant, higher numbers are more susceptible.
 *Data not yet available.