

**Imperial Valley Early Harvest Official Variety Trials  
2 Year Data (2021-2022)**

Variety	Approval Status for 2022-23 crop	Extractable Sugar/Acre	Extractable Sugar/Ton	Gross Sugar/Acre	Tons/ Acre	% Sugar	Purity	Final Stand**	% Bolt	Percent Emergence*	Curly Top	% of Mkt.	Powdery Mildew*** % of Mkt.	Rhizomania Root Rating		
<b>BTS 511N</b>																
2022 Trial		9,945	264.0	12,562	37.8	16.7	86.5	212	0.0	53.0	--	--	--	--		
2021 Trial		12,020	292.0	14,391	40.8	17.5	89.7	224	0.0	57.2	--	--	7.5 111.7	--		
Average		10,983	278.0	13,477	39.3	17.1	88.1	218	0.0	55.1						
<b>SV 983</b>	Full Approval															
2022 Trial		9,940	266.4	12,454	37.3	16.7	87.0	202	0.0	38.1	--	--	--	--		
2021 Trial		12,329	286.6	14,676	42.9	17.1	89.8	223	0.0	42.4	5.8	98.0	6.4 95.3	2.4		
Average		11,135	276.5	13,565	40.1	16.9	88.4	213	0.0	40.3						
<b>SV 1915</b>																
2022 Trial		9,846	261.7	12,443	37.9	16.5	86.8	211	0.0	49.6	--	--	--	--		
2021 Trial		12,326	287.9	14,697	43.0	17.2	89.8	224	0.0	50.2	--	--	6.1 90.8	--		
Average		11,086	274.8	13,570	40.5	16.9	88.3	218	0.0	49.9						
<b>BTS 5678</b>	Full Approval															
2022 Trial		10,573	267.1	13,245	39.4	16.8	87.0	213	0.0	54.5	--	--	--	--		
2021 Trial		12,097	282.0	14,499	42.7	16.9	89.7	222	0.0	38.4	5.9	99.7	7.4 110.2	2.0		
Average		11,335	274.6	13,872	41.1	16.9	88.4	218	0.0	46.5						
<b>BTS 5460</b>	Full Approval															
2022 Trial		9,910	261.2	12,490	38.0	16.5	86.7	213	0.0	52.0	--	--	--	--		
2021 Trial		11,512	280.4	13,878	40.8	16.9	89.5	223	0.0	48.3	5.6	94.6	7.8 116.1	2.1		
Average		10,711	270.8	13,184	39.4	16.7	88.1	218	0.0	50.2						
<b>SV 1913N</b>																
2022 Trial		9,258	262.0	11,786	35.4	16.7	86.2	211	0.0	47.1	--	--	--	--		
2021 Trial		10,890	278.7	13,267	39.5	17.0	88.9	220	0.0	45.6	--	--	2.3 34.2	--		
Average		10,074	270.4	12,527	37.5	16.9	87.6	216	0.0	46.4						
<b>BTS 5104</b>																
2022 Trial		9,771	264.1	12,276	37.1	16.6	86.8	212	0.0	58.5	--	--	--	--		
2021 Trial		11,508	275.3	13,935	41.9	16.6	89.3	224	0.0	52.5	--	--	8.0 119.1	--		
Average		10,640	269.7	13,106	39.5	16.6	88.1	218	0.0	55.5						
<b>SV501</b>	Full Approval															
2022 Trial		9,562	257.3	12,046	37.3	16.2	86.8	212	0.0	60.2	--	--	--	--		
2021 Trial		11,901	276.5	14,341	43.1	16.7	89.4	225	0.0	51.2	5.9	99.7	6.1 90.8	2.4		
Average		10,732	266.9	13,194	40.2	16.5	88.1	219	0.0	55.7						
<b>BTS 5775</b>	Full Approval															
2022 Trial		9,235	256.4	11,735	36.3	16.3	86.3	206	0.0	42.4	--	--	--	--		
2021 Trial		11,476	273.4	13,838	42.5	16.5	89.5	210	0.0	29.0	6.3	106.5	6.2 92.3	2.6		
Average		10,356	264.9	12,787	39.4	16.4	87.9	208	0.0	35.7						
<b>SV 602</b>	Full Approval															
2022 Trial		10,602	255.8	13,293	41.4	16.1	87.1	211	0.0	49.4	--	--	--	--		
2021 Trial		12,398	269.8	14,867	45.8	16.2	89.7	221	0.0	43.1	6.0	101.4	6.4 95.3	2.6		
Average		11,500	262.8	14,080	43.6	16.2	88.4	216	0.0	46.3						
<b>SV 911</b>																
2022 Trial		10,361	252.9	13,073	41.0	16.0	86.8	212	0.0	50.2	--	--	--	--		
2021 Trial		12,770	267.2	15,387	47.7	16.2	89.4	222	0.0	44.1	--	--	7.2 107.2	--		
Average		11,566	260.1	14,230	44.4	16.1	88.1	217	0.0	47.2						
<b>Mean of Fully Approved (22-23)</b>		10,961	269.4	13,447	40.6	16.6	88.2	215.1			2022 Mean	--	--	--	--	
<b>97% of Fully Approved (22-23)</b>		10,632	261.3	13,043	39.4	16.1	85.6	208.6			2021 Mean	5.9	100	6.7	100	2.4

CV%

2022 Trial	2.9	2.3	2.5	2.5	1.9	0.6	7.6	--	2.3					
2021 Trial	5.4	2.2	5.1	4.9	1.7	0.8	2.3	--	8.3	7.0	7.7			n/a

LSD (0.05)

2022 Trial	587.0	NS	640.8	2.0	NS	NS	8.1	--	NS					
2021 Trial	428.1	4.2	491.4	1.4	0.2	0.5	3.6	--	2.8	0.5	0.6			0.5

**Cooperator**

Horizon Farms  
Lance Reeves  
Russell Allen  
Brian Hair

**Planted**  
9/15/21  
9/25/21  
9/23/20  
10/28/20

**Harvested**  
3/30/22  
4/6/22  
4/13-14/21  
5/17-18/21

**Plot Size**  
2 rows. 30\* rows.  
2 rows. 30\* rows.  
2 rows. 30\* rows.  
2 rows. 30\* rows.

**Notes:**

Experimental Design: RCBD  
Experimental Design: RCBD  
Experimental Design: RCBD  
Experimental Design: RCBD

Varieties ranked by Extractable Sugar per Ton.

\* 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.

\*\*\* 2021 Powdery mildew ratings are average of two raters at 2021 EH Location 2 yield trial. Ratings on 1-9 scale. 1 = low disease, 9 = high disease