

**Imperial Valley Early Harvest Official Variety Trials
3 Year Data (2022-2024)**

Variety	Approval Status for 2024-25 crop	Extractable Sugar/Acre	Extractable Sugar/Ton	Gross Sugar/Acre	Tons/Acre	% Sugar	Purity	Final Stand**	% Bolt	Percent Emergence*		Powdery Mildew*	% of Fully Approved	Rhizomania Root Rating**
BTS 511N	Specialty Approval													
2024 Trial		12,532	309.1	14,894	40.6	18.3	90.1	232	0.0	65.6		6.6	109.5	--
2023 Trial		14,639	301.8	17,423	48.4	18.0	90.0	160	0.0	35.7		2.6	68.9	2.0
2022 Trial		9,945	264.0	12,562	37.8	16.7	86.5	212	0.0	53.0		--	--	1.8
Average		12,372	291.6	14,960	42.3	17.7	88.9	201	0.0	51.4				
BTS 5255	Full Approval													
2024 Trial		13,395	301.0	15,877	44.1	17.9	90.5	233	0.0	54.4		5.7	94.6	--
2023 Trial		15,813	282.8	18,796	56.2	16.8	90.5	175	0.0	44.7		3.1	82.1	2.2
2022 Trial		10,819	272.7	13,471	39.4	17.0	87.2	214	0.0	53.4		--	--	--
Average		13,342	285.5	16,048	46.6	17.2	89.4	207	0.0	50.8				
SV 1927	Full Approval													
2024 Trial		13,371	302.2	15,901	44.1	18.0	90.1	233	0.0	54.7		7.1	117.8	--
2023 Trial		15,551	287.3	18,568	55.1	17.1	90.0	172	0.0	51.3		4.3	113.9	2.3
2022 Trial		10,161	263.0	12,703	38.7	16.5	87.2	212	0.0	58.5		--	--	--
Average		13,028	284.2	15,724	46.0	17.2	89.1	206	0.0	54.8				
SV 1915	Limited Approval													
2024 Trial		12,382	302.4	14,734	41.4	18.0	90.1	231	0.0	51.0		6.0	99.6	--
2023 Trial		15,313	285.2	18,495	54.1	17.1	89.5	172	0.0	51.1		3.7	98.0	2.5
2022 Trial		9,846	261.7	12,443	37.9	16.5	86.8	211	0.0	49.6		--	--	2.7
Average		12,514	283.1	15,224	44.5	17.2	88.8	205	0.0	50.6				
BTS 5678	Full Approval													
2024 Trial		13,230	297.7	15,753	44.6	17.8	90.0	232	0.0	56.6		5.7	94.6	--
2023 Trial		15,769	278.7	18,888	57.1	16.7	90.1	173	0.0	47.6		3.6	95.4	1.8
2022 Trial		10,573	267.1	13,245	39.4	16.8	87.0	213	0.0	54.5		--	--	2.0
Average		13,191	281.2	15,962	47.0	17.1	89.0	206	0.0	52.9				
BTS 5460	Full Approval													
2024 Trial		12,030	291.8	14,418	41.1	17.5	89.8	232	0.0	57.6		5.6	92.9	--
2023 Trial		15,548	277.7	18,520	56.1	16.6	90.1	171	0.0	53.5		4.1	108.6	2.2
2022 Trial		9,910	261.2	12,490	38.0	16.5	86.7	213	0.0	52.0		--	--	1.9
Average		12,496	276.9	15,143	45.1	16.9	88.9	205	0.0	54.4				
SV 911	Limited Approval													
2024 Trial		13,629	290.8	16,215	47.3	17.3	90.3	231	0.0	36.7		6.0	99.6	--
2023 Trial		15,259	266.3	18,376	57.7	16.1	89.7	160	0.0	33.2		4.2	111.3	2.3
2022 Trial		10,361	252.9	13,073	41.0	16.0	86.8	212	0.0	50.2		--	--	2.7
Average		13,083	270.0	15,888	48.7	16.5	88.9	201	0.0	40.0				
SV 602	Last Year of Sales													
2024 Trial		13,263	284.2	15,869	46.9	17.0	89.9	228	0.0	39.8		6.5	107.9	--
2023 Trial		16,142	267.1	19,519	61.2	16.2	89.3	154	0.0	31.0		3.9	103.3	2.4
2022 Trial		10,602	255.8	13,293	41.4	16.1	87.1	211	0.0	49.4		--	--	2.8
Average		13,336	269.0	16,227	49.8	16.4	88.8	198	0.0	40.1				

Mean of Fully Approved (24-25)		13,014	281.9	15,719	46.2	17.1	89.1							
97% of Fully Approved (24-25)		12,624	273.5	15,247	44.8	16.6	86.4							

Mean of Fully Approved Varieties			
2024 Mean	6.0	100.0	--
2023 Mean	3.8	100.0	2.1
2022 Mean	--	--	2.0

CV%

2024 Trial	4.2	2.6	3.9	3.8	1.9	0.7	1.1	--	7.9	5.9	
2023 Trial	2.4	1.6	2.6	3.6	1.3	0.5	3.1	--	12.7	15.7	--
2022 Trial	2.9	2.3	2.5	2.5	1.9	0.6	7.6	--	2.3	--	--

LSD (0.05)

2024 Trial	593.7	8.6	662.1	1.8	0.4	0.7	2.9	--	4.5	0.3	
2023 Trial	752.2	9.7	990.4	4.1	0.5	0.9	10.8	--	11.6	0.7	0.2
2022 Trial	587.0	NS	640.8	2.0	NS	NS	8.1	--	NS	--	0.3

Cooperator

IVRC	10/3/23	4/15/24		
Ruegger Farms	9/20/22	4/17/23		
Jason Taylor	9/29/22	5/15/23		
Horizon Farms	9/15/21	3/30/22		
Lance Reeves	9/25/21	4/6/22		

Planted

Harvested

Plot Size

2 rows. 30" rows.
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
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.

2023 Powdery mildew ratings were taken from 2023 EH Location 2 on 5/9/23 on a 1-9 rating scale. 2024 data is from IVRC Powdery Mildew Nursery.

Rhizomania Root rating using 0-9 scale (0=healthy and 9=dead; ≥ 3 would be considered susceptible).