

**Imperial Valley Early Harvest Official Variety Trials  
2 Year Data (2023-2024)**

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##
<b>BTS 511N</b>	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
Average		13,585	305.5	16,158	44.5	18.2	90.1	196	0.0	50.7				
<b>SV 1927</b>	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
Average		14,461	294.8	17,234	49.6	17.6	90.1	203	0.0	53.0				
<b>SV 1915</b>	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
Average		13,848	293.8	16,614	47.8	17.6	89.8	201	0.0	51.1				
<b>BTS 5255</b>	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
Average		14,604	291.9	17,336	50.2	17.4	90.5	204	0.0	49.6				
<b>BTS 5678</b>	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
Average		14,500	288.2	17,320	50.9	17.3	90.1	202	0.0	52.1				
<b>BTS 5460</b>	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
Average		13,789	284.8	16,469	48.6	17.1	90.0	202	0.0	55.6				
<b>SV 911</b>	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
Average		14,444	278.6	17,296	52.5	16.7	90.0	195	0.0	35.0				
<b>SV 602</b>	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
Average		14,703	275.7	17,694	54.1	16.6	89.6	191	0.0	35.4				

Mean of Fully Approved (24-25)		14,338	289.9	17,090	49.8	17.3	90.1	202.7						
97% of Fully Approved (24-25)		13,908	281.2	16,577	48.3	16.8	87.4	196.6						

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

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	--

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

**Cooperator**

	Planted	Harvested	Plot Size
IVRC	10/3/23	4/15/24	2 rows. 30' rows.
Ruegger Farms	9/20/22	4/17/23	2 rows. 30' rows.
Jason Taylor	9/29/22	5/15/23	2 rows. 30' rows.

**Notes:**

Experimental Design: RCBD  
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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.

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