

# 2020-2021 Imperial Valley Late Harvest Official Variety Trial Results - Location 1

Cooperator: Jason Taylor

Entry	Entry Code	Entry Name	Extractable Sugar per Ton	Extractable Sugar per Acre	Gross Sugar per Acre	Tons per Acre	Percent Sugar	Extractable Sugar Percent	Percent Purity	Brei N	Percent Tare	Percent Emergence*	Final Stand Beets/100**	Powdery Mildew Rating (1-9)***	Percent Bolters	Percent Rot
1	2020-21 IVLH- Loc 1	BTS 5460	299.8	17,525	20,409	58.3	17.5	15.0	91.6	9	1.6	59.1	232	6.9	0.0	0.0
2	2020-21 IVLH- Loc 1	BTS 5678	302.3	17,311	20,147	57.4	17.6	15.1	91.7	9	1.9	49.2	232	7.6	0.0	0.0
3	2020-21 IVLH- Loc 1	BTS 5775	295.0	17,815	20,852	60.5	17.2	14.8	91.5	13	1.5	40.0	226	6.4	0.0	0.0
4	2020-21 IVLH- Loc 1	BTS 582N	305.0	16,959	19,763	55.0	17.8	15.3	91.3	8	3.5	58.3	229	5.8	0.0	0.0
5	2020-21 IVLH- Loc 1	BTS 5983	299.4	17,587	20,500	58.9	17.4	15.0	91.7	9	1.9	57.7	232	7.5	0.0	0.0
6	2020-21 IVLH- Loc 1	BTS 511N	310.4	18,053	21,014	58.5	18.0	15.5	91.9	9	3.5	63.4	233	6.6	0.0	0.0
7	2020-21 IVLH- Loc 1	BTS 513N	297.9	17,756	20,698	59.6	17.4	14.9	91.7	13	2.8	45.4	231	6.7	0.0	0.0
8	2020-21 IVLH- Loc 1	BTS 5104	300.2	18,360	21,253	61.1	17.4	15.0	92.1	9	2.4	54.4	230	7.8	0.0	0.0
9	2020-21 IVLH- Loc 1	BTS 5112	279.4	18,119	21,315	64.9	16.4	14.0	91.2	14	1.4	52.0	231	7.5	0.0	0.0
10	2020-21 IVLH- Loc 1	BTS 5128	289.9	17,901	20,907	61.8	17.0	14.5	91.7	10	1.3	57.6	231	7.1	0.0	0.0
11	2020-21 IVLH- Loc 1	BTS 5139	300.2	16,906	19,757	56.3	17.6	15.0	91.4	10	2.0	58.7	231	7.8	0.0	0.0
12	2020-21 IVLH- Loc 1	SV 981	280.4	18,561	21,810	65.8	16.5	14.0	91.3	15	0.8	51.9	228	6.5	0.0	0.0
13	2020-21 IVLH- Loc 1	SV 1913N	295.0	17,624	20,914	59.8	17.5	14.7	90.4	7	2.0	59.1	230	2.1	0.0	0.0
14	2020-21 IVLH- Loc 1	SV 1915	303.2	18,861	22,096	62.2	17.8	15.1	91.2	9	1.1	61.8	231	5.2	0.0	0.0
15	2020-21 IVLH- Loc 1	SV 604N	280.1	16,969	20,217	60.7	16.7	14.0	90.4	11	2.2	58.8	232	4.7	0.0	0.0
16	2020-21 IVLH- Loc 1	SV 2997	278.0	18,586	21,948	66.9	16.4	13.9	90.9	13	0.9	46.9	228	6.9	0.0	0.0
		Mean	294.8	17,805.9	20,850.0	60.5	17.3	14.7	91.4	10.4	1.9	54.6	230.4	6.4		
		CV (%)	1.8	4.7	4.6	4.5	1.3	1.8	0.6	20.4	23.3	8.9	2.1	6.9		
		Error MS	33.2	905,741.6	1,195,933.6	10.1	0.1	0.1	0.4	5.6	0.2	28.9	28.2	0.2		
		LSD (0.05)	5.6	932.7	1,071.7	3.1	0.2	0.3	0.6	2.3	0.5	5.3	5.2	0.5		
		Reps	8	8	8	8	8	8	8	8	8	8	8	8		

\*Emergence counts taken prior to thinning and converted to a percent.

\*\* Final stand counts taken after thinning and converted to beets per 100' of row.

\*\*\* Powdery mildew ratings taken in mid-May at the trial. Rating is an average of ratings done by Mark Bloomquist and Ryan Kowta.

Plant Date: October 12, 2021

Harvest Date: June 9, 2021

Plot size: 2 row, 30" rows

Experimental Design: 4X4 Partially balanced lattice.