

2020-2021 Imperial Valley Late Harvest Official Variety Trial Results - Location 2

Cooperator: Ryan Rothfleisch

Entry	Entry Code	Entry Name	Extractable Sugar per Ton	Extractable Sugar per Acre	Gross Sugar per Acre	Ton per Acre	Percent Sugar	Extractable Sugar Percent	Percent Purity	Brei N	Percent Tare	Percent Emergence*	Final Stand Beets/100' **	Percent Rot ***	Percent Bolters
1	2020-2021 IVLH - Loc. 2	BTS 5460	254.4	19,172	23,711	75.1	15.7	12.7	88.3	43	0.8	56.7	231	4.3	0.0
2	2020-2021 IVLH - Loc. 2	BTS 5678	262.5	16,852	20,536	64.5	16.0	13.1	88.9	48	1.7	48.5	235	10.2	0.0
3	2020-2021 IVLH - Loc. 2	BTS 5775	241.4	17,137	21,443	70.8	15.1	12.1	87.5	76	0.9	43.1	231	12.2	0.0
4	2020-2021 IVLH - Loc. 2	BTS 582N	261.1	5,889	7,465	23.1	16.1	13.0	88.0	47	1.6	54.3	234	59.4	0.0
5	2020-2021 IVLH - Loc. 2	BTS 5983	255.7	17,300	21,363	67.7	15.8	12.8	88.3	44	1.6	51.6	232	10.3	0.0
6	2020-2021 IVLH - Loc. 2	BTS 511N	272.3	8,949	10,872	33.7	16.6	13.6	88.6	51	1.3	56.8	234	51.6	0.0
7	2020-2021 IVLH - Loc. 2	BTS 513N	264.2	11,801	14,768	44.8	16.1	13.2	88.6	73	1.4	51.9	231	34.9	0.0
8	2020-2021 IVLH - Loc. 2	BTS 5104	260.4	18,862	22,951	71.7	15.8	13.0	89.9	36	1.4	54.3	233	13.2	0.0
9	2020-2021 IVLH - Loc. 2	BTS 5112	238.4	12,481	15,545	51.8	14.9	11.9	87.6	52	0.9	53.7	233	26.2	0.0
10	2020-2021 IVLH - Loc. 2	BTS 5128	239.6	17,464	21,937	72.4	15.1	12.0	87.1	51	0.9	51.9	232	12.3	0.0
11	2020-2021 IVLH - Loc. 2	BTS 5139	253.9	16,783	20,956	65.9	15.9	12.7	87.4	43	1.3	51.2	235	8.6	0.0
12	2020-2021 IVLH - Loc. 2	SV 981	245.0	13,078	16,062	54.2	15.1	12.3	88.4	48	0.6	47.9	231	34.4	0.0
13	2020-2021 IVLH - Loc. 2	SV 1913N	251.1	10,447	13,079	41.2	15.8	12.5	87.0	34	1.2	54.2	230	48.4	0.0
14	2020-2021 IVLH - Loc. 2	SV 1915	259.2	13,836	17,195	53.1	16.1	13.0	87.5	46	1.0	57.5	233	35.1	0.0
15	2020-2021 IVLH - Loc. 2	SV 604N	233.2	12,967	16,270	55.0	14.7	11.7	87.3	51	1.3	52.7	234	33.7	0.0
16	2020-2021 IVLH - Loc. 2	SV 2997	238.9	14,177	17,558	58.2	14.9	12.0	87.6	58	0.5	47.5	232	33.0	0.0
Grand Mean			252.0	14199.7	17606.8	56.5	15.6	12.6	88.0	50.1	1.1	52.1	232.6	26.7	
CV (%)			3.3	12.8	12.8	12.5	2.1	3.3	1.0	20.0	32.6	7.7	1.5	36.9	
Error MS			94.3	4443729.8	6702985.8	63.4	0.2	0.2	1.0	135.5	0.2	20.0	14.9	117.7	
LSD (0.05)			9.5	2065.9	2537.2	7.8	0.4	0.5	1.0	11.4	0.4	4.4	3.8	10.6	
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.

*** Rot counts taken after defoliation. Percent rot calculated by dividing the total beets with rot by the final stand count per plot and converting to a percent.

**** After defoliation and prior to harvest, rot beets were pulled out of the row in every plot.

Yield reported is the yield of the good beets remaining in each plot after roguing the rot beets out of the row.

Plant Date: October 19, 2021

Harvest Date: July 19-20, 2021

Plot size: 2 row, 30" rows

Experimental Design: 4X4 Partially balanced lattice