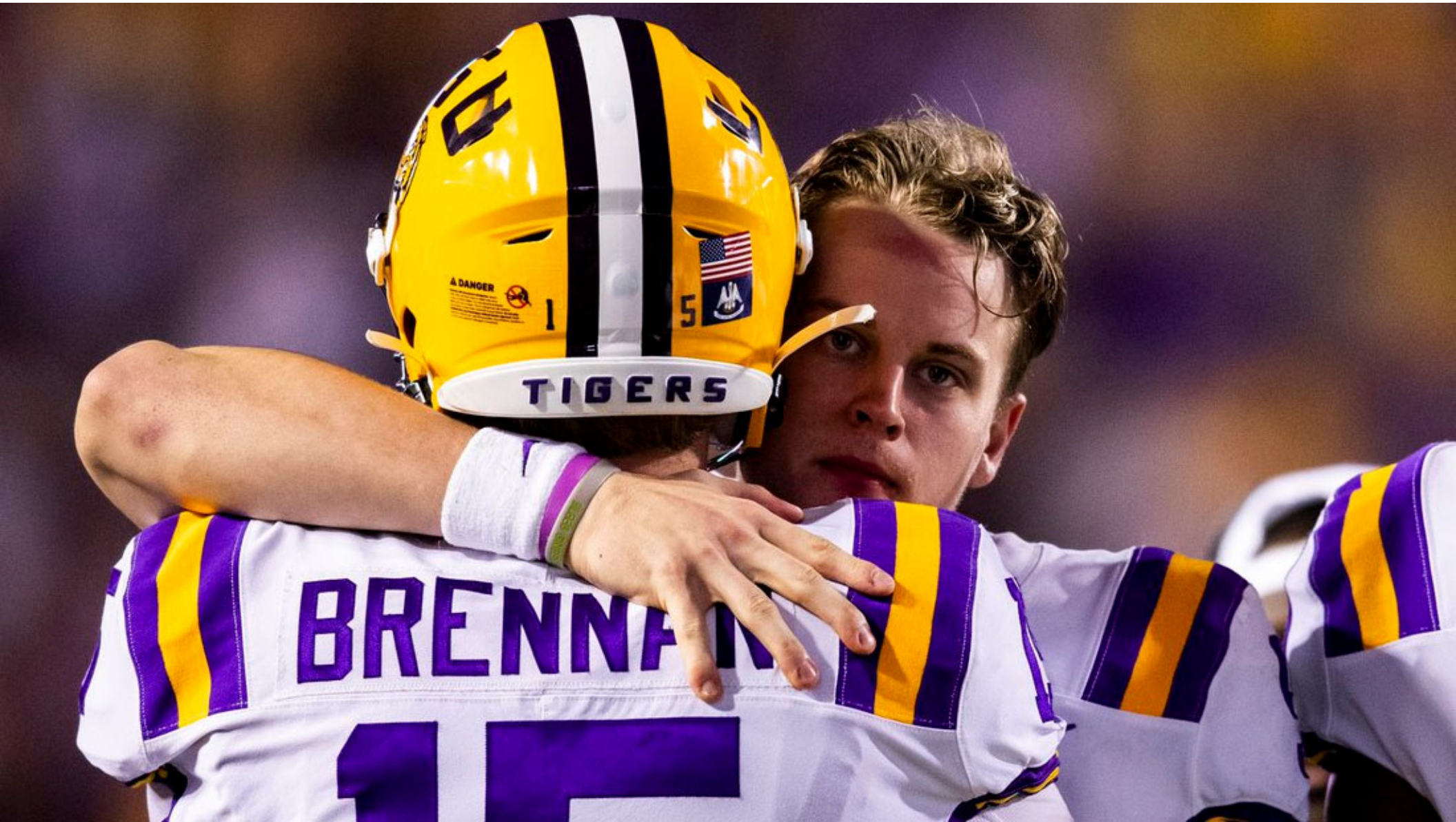


Outfield Variety Update

A review of the 2019 outfield harvest

Wilson Judice
Agronomist
American Sugar Cane League



Outfield – Plant-cane 2019

Variety	Sugar/acre	Tons/acre	Sugar/ton
HoCP 96-540	6309 -	27.4 -	230
L 01-299	7172	30.2	236
HoCP 04-838	7507	30.7	244
HoCP 09-804	7271	28.7	253 +
L 11-183	7752	31.9	244
L 12-201	6883 -	27.7	249 +
Ho 12-615	7980 +	34.4 +	233
Ho 13-739	7127	28.1	253 +
L 14-267	7883	31.1	253 +
HoCP 14-885	8627 +	32.6	263 +
L 15-306	8247 +	32.0	257 +
Ho 15-508	7742	29.0	268 +
Ho 15-971	7685	30.4	251 +

Outfield – First Stubble 2019

Variety	Sugar/acre	Tons/acre	Sugar/ton
HoCP 96-540	4788 -	21.7 -	222 -
L 01-283	6832	26.5	259 +
L 01-299	6928	27.8	249
HoCP 04-838	6306	25.7	243
HoCP 09-804	6788	26.0	261 +
L 11-183	5922 -	24.7 -	240 -
L 12-201	6301	24.8 -	251
Ho 12-615	7103	29.9	238 -
Ho 13-739	6733	26.0	259 +
L 14-267	7453	28.0	266 +
HoCP 14-885	7205	28.0	257 +

Outfield – Second Stubble 2019

Variety	Sugar/acre	Tons/acre	Sugar/ton
HoCP 96-540	5193 -	23.0 -	229 -
L 01-283	6689 -	25.6 -	263 +
L 01-299	7438	30.0	251
HoCP 04-838	6343 -	26.4 -	244
HoCP 09-804	7710	29.0	268 +
L 11-183	6006 -	25.2 -	241 -
L 12-201	6884	27.2 -	255
Ho 12-615	7237	30.3	242
Ho 13-739	7274	27.3 -	270 +

Outfield – Third Stubble 2019
Aka – the money crop

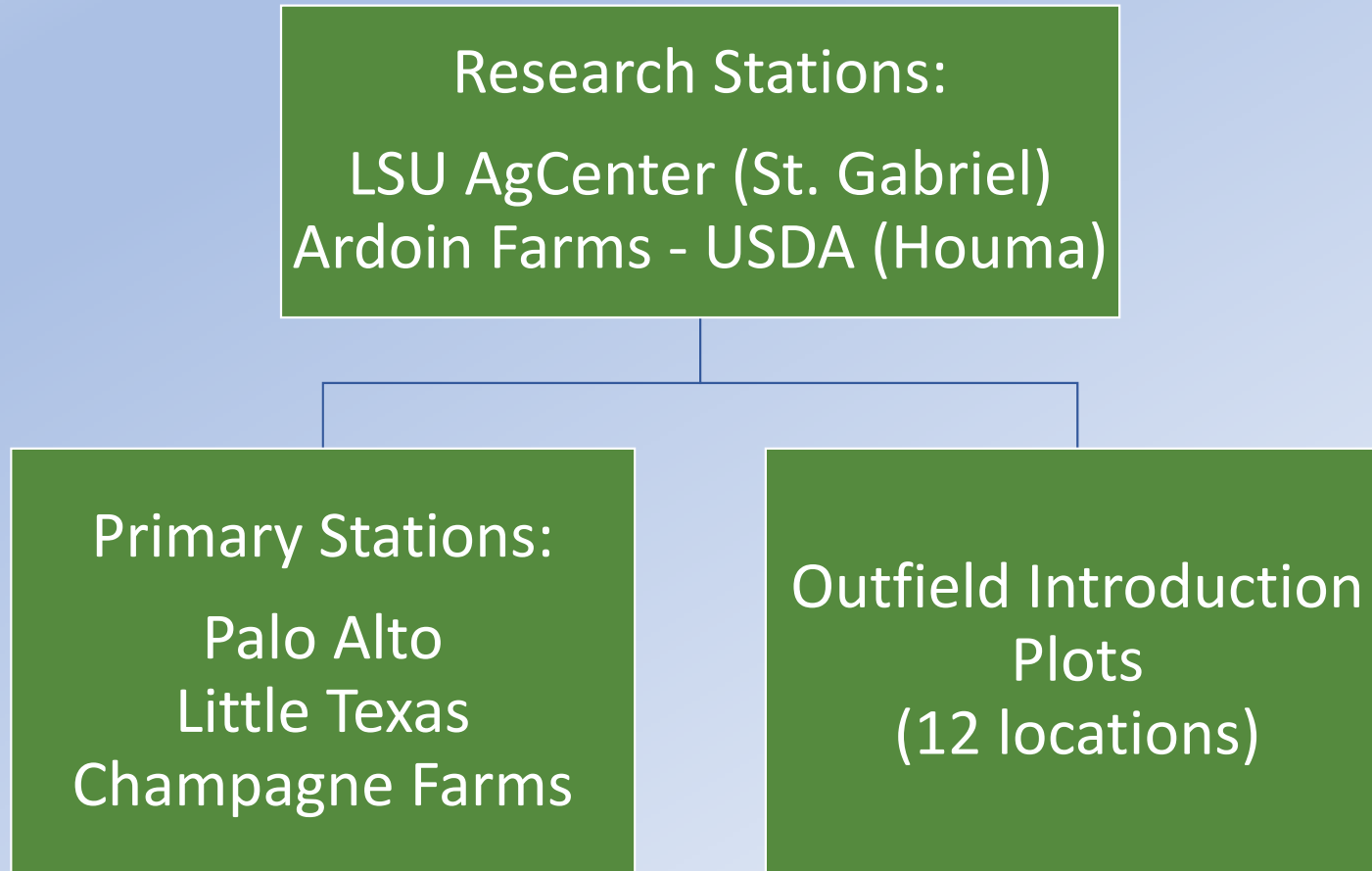
Variety	Sugar/acre	Tons/acre	Sugar/ton
HoCP 96-540	4310 -	18.9 -	229 -
L 01-283	6136 -	24.3 -	257 +
L 01-299	6979	28.8	245
HoCP 04-838	6160 -	25.0 -	249
Ho 07-613	5591 -	21.3 -	265 +
HoCP 09-804	6250 -	24.5 -	257 +
L 11-183	5320 -	23.0 -	235
L 12-201	6283 -	24.5 -	259 +
Ho 12-615	6552	27.1	245

**Outfield - Fourth Stubble
Aka – the platinum crop**

Variety	Sugar/acre	Tons/acre	Sugar/ton
HoCP 96-540	3079	16.4	187
L 99-226	4589	21.5	214
HoCP 00-950	4293	19.6	219
L 01-283	5740	24.7	232
L 01-299	5997	30.4	198
HoCP 04-838	4961	26.8	184
Ho 07-613	4053	18.6	219
HoCP 09-804	5430	25.7	211
L 11-183	4181	23.0	183

Primary Station Expansion Program & Data

2017 Series Varieties



2016 Series Varieties



2015 Series Varieties



2014 Series Varieties

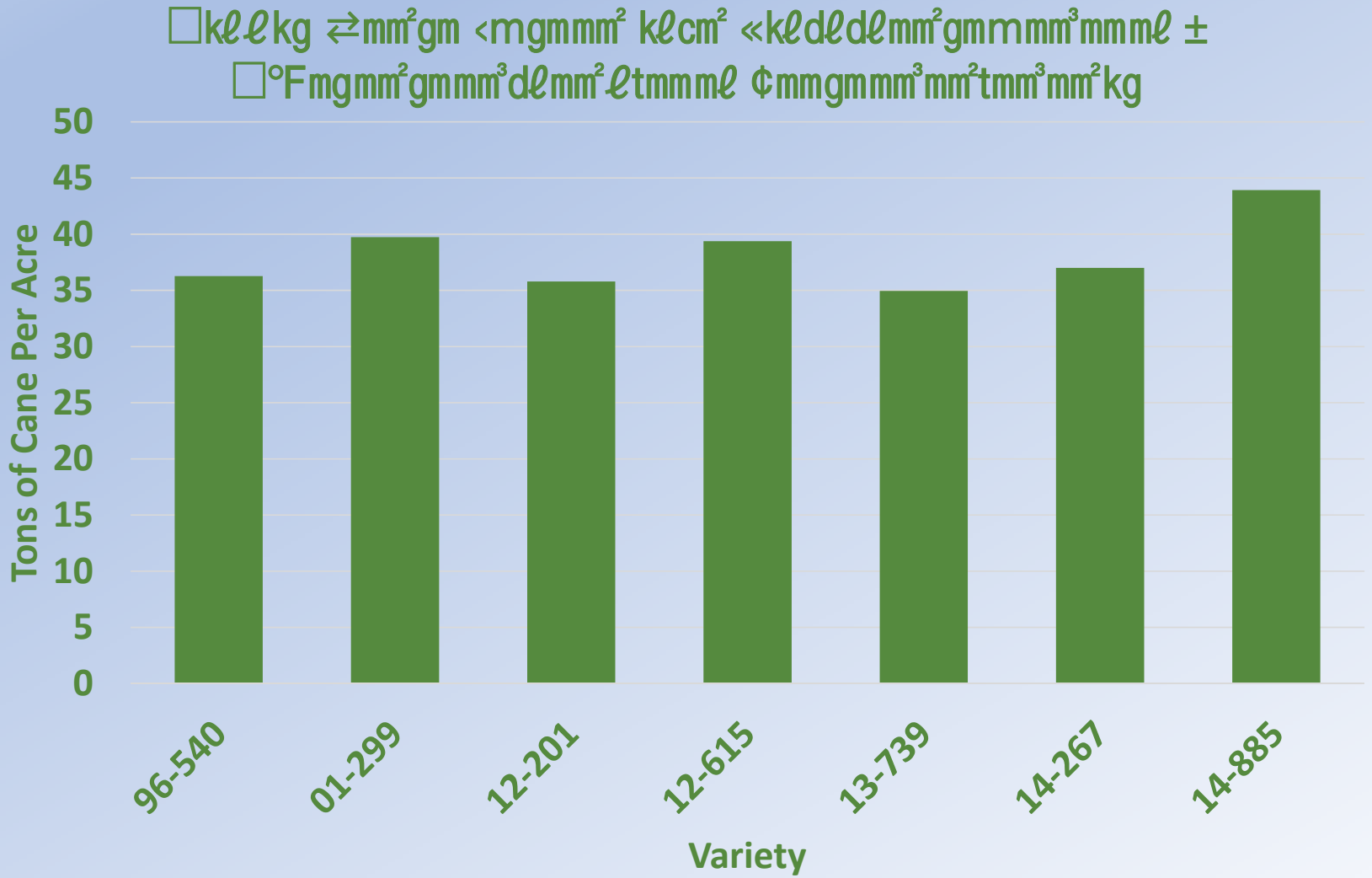
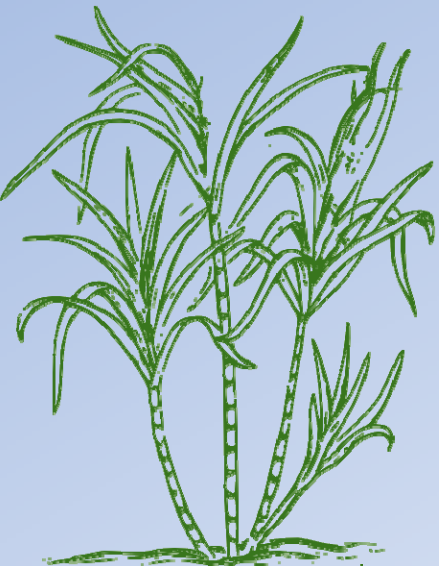


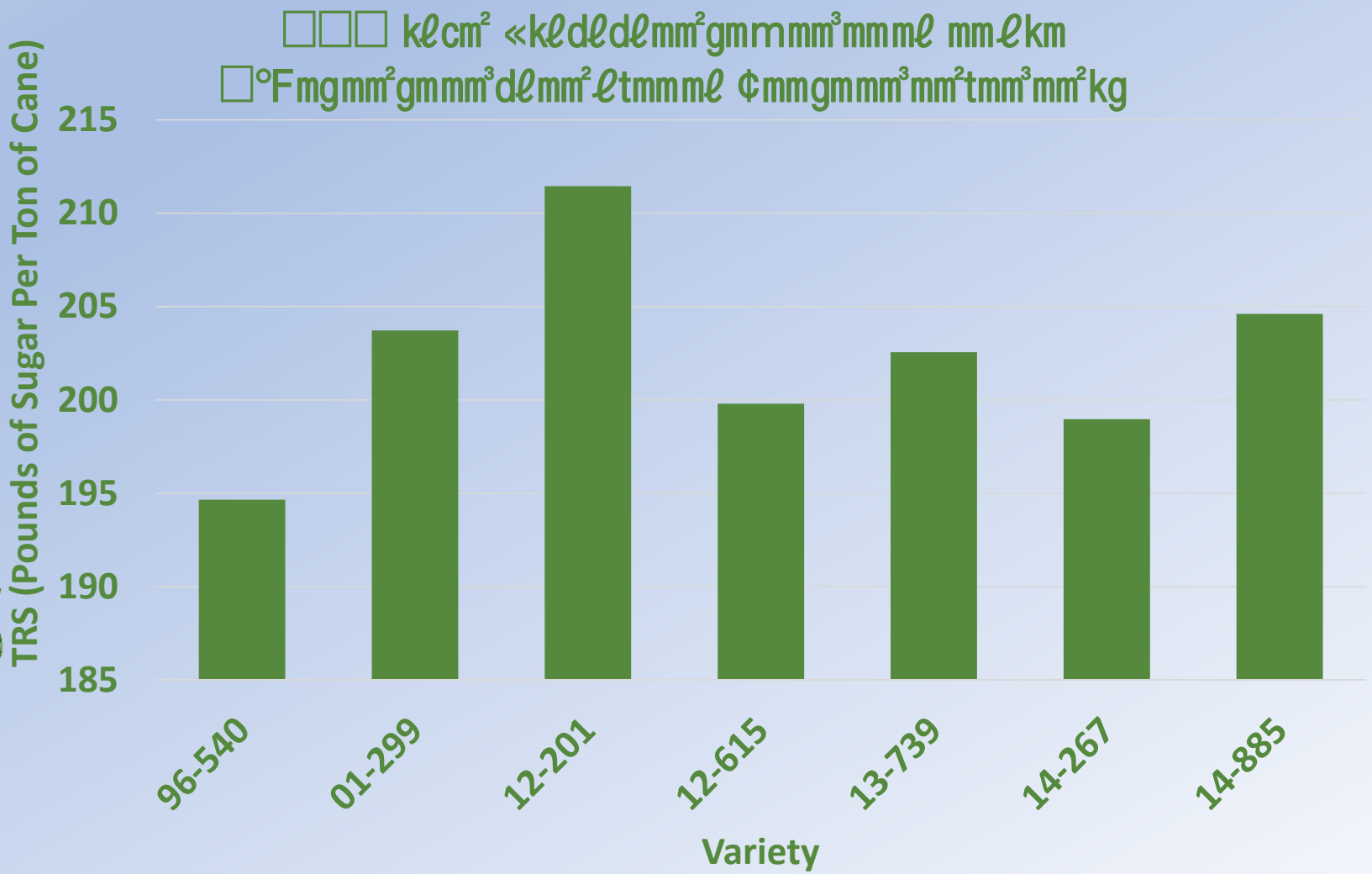
2013 Series Varieties

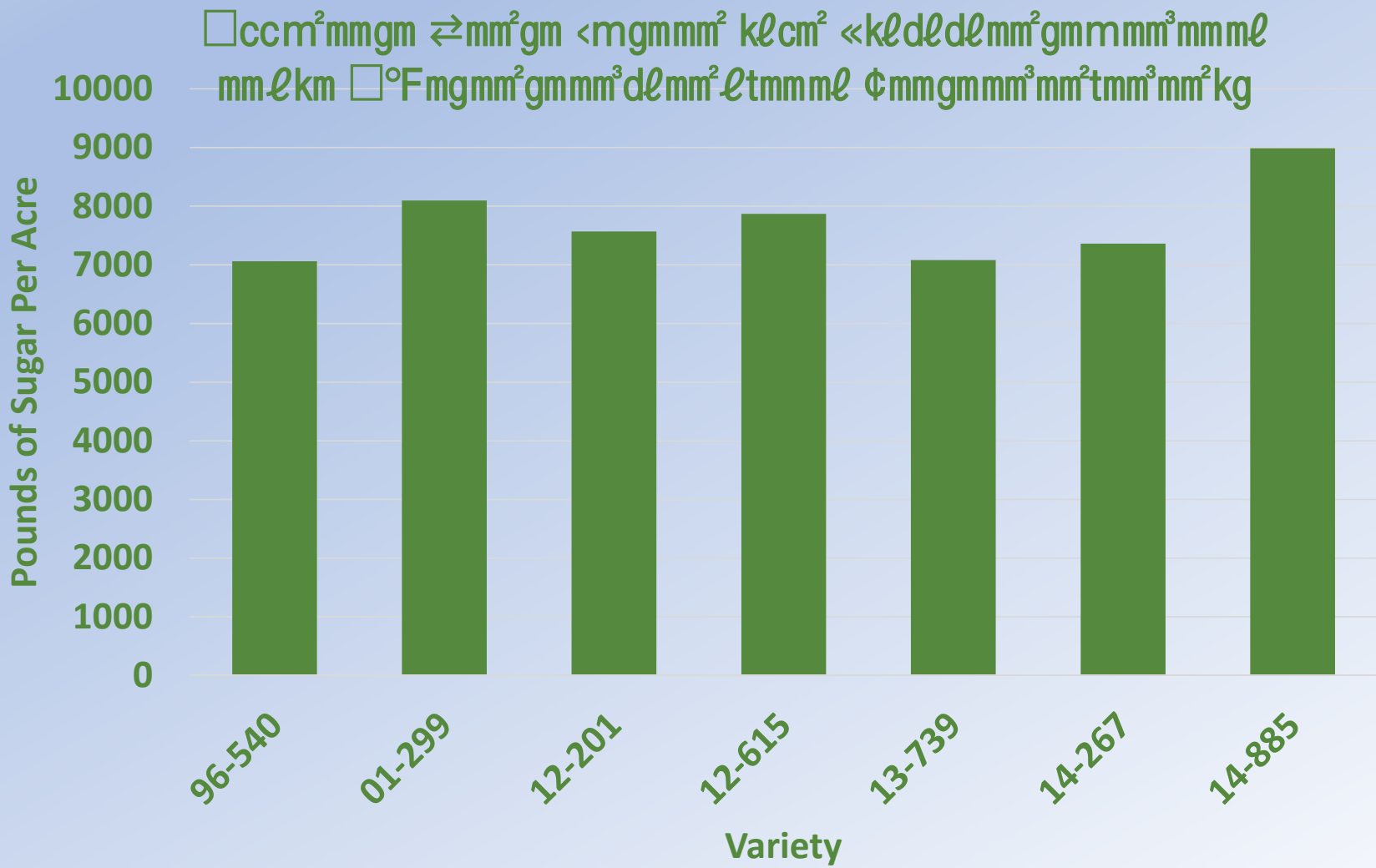


2012 Series Varieties









Questions?



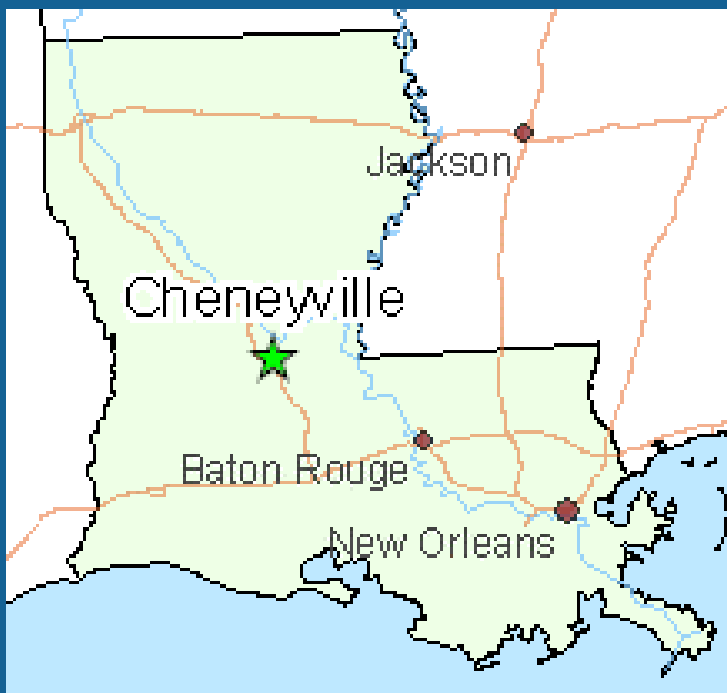
Harper Outfield Test Data logger



November 13, 2019 temperatures

Harper Outfield	Hours below
Below 32° F.	13.0
Below 27° F.	8.5
Below 25° F.	5.0
22° F.	45 min.

Opportunity for the Variety Development Program to evaluate varieties for freeze tolerance



Harper Outfield Test

<u>Commercial</u>	<u>Experimental</u>
HoCP 96-540	Ho 13-739
L 01-299	L 14-267
HoCP 04-838	HoCP 14-885
HoCP 09-804	L 15-306
L 11-183	HoL 15-508
L 12-201	Ho 15-971
Ho 12-615	
HoCP 05-961	

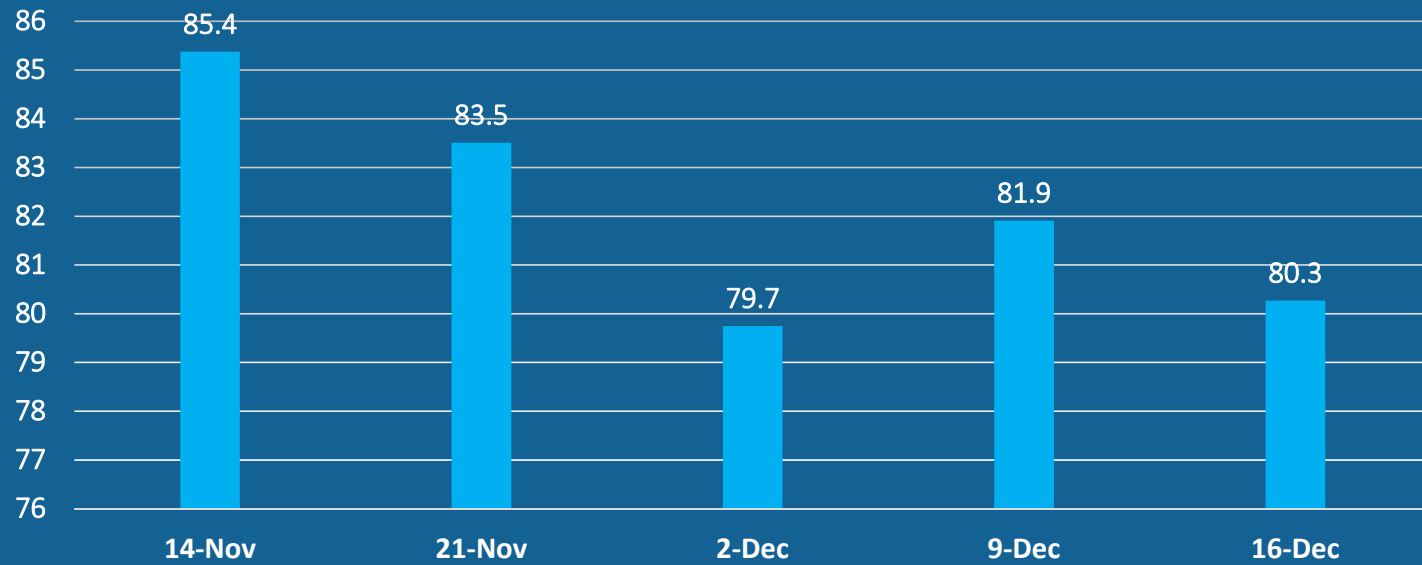


Cold Tolerance Test Harper's Farm - Cheneyville

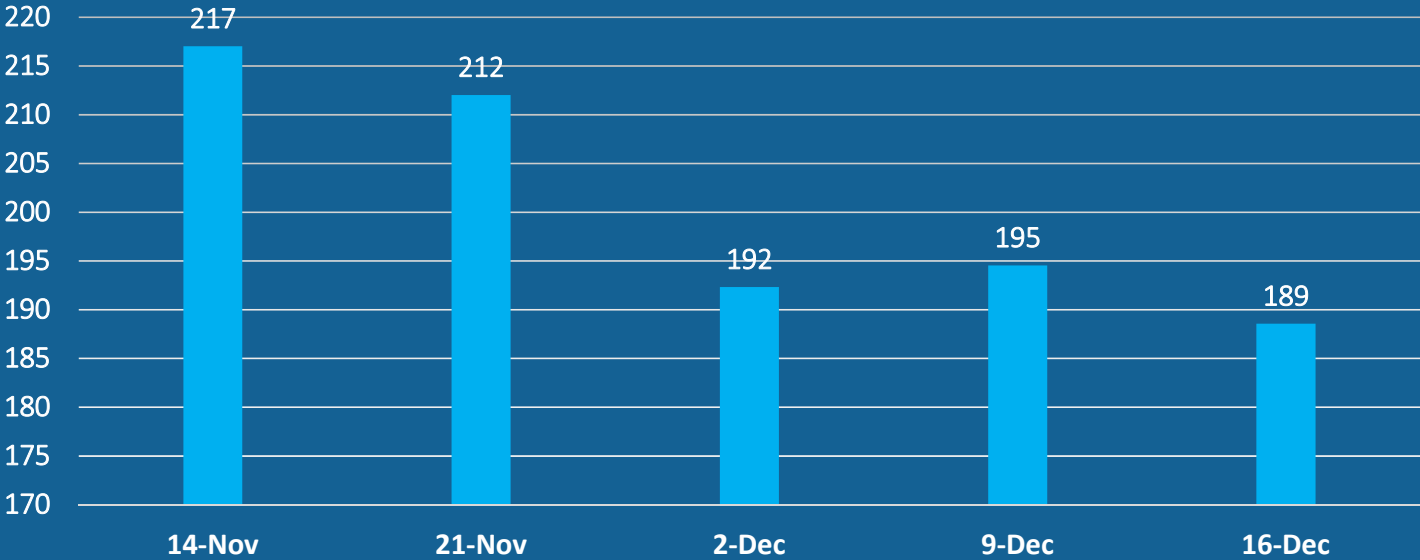


Cold Tolerance Test Harper's Farm - Cheneyville

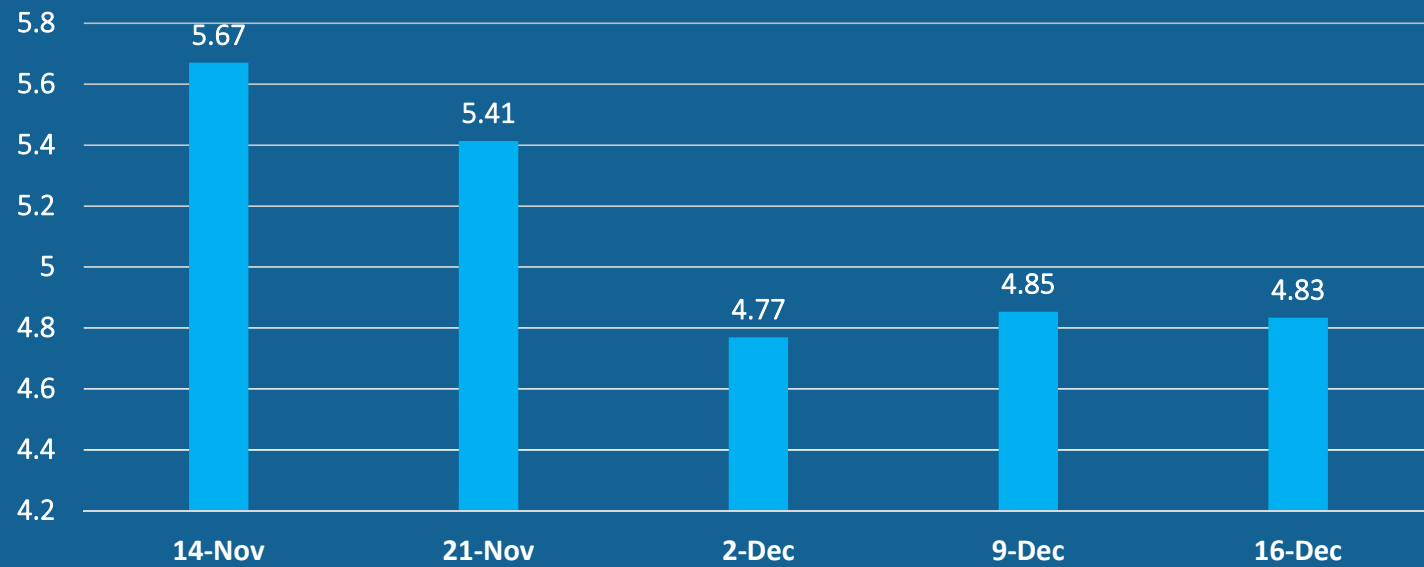
JUICE PURITY (%)



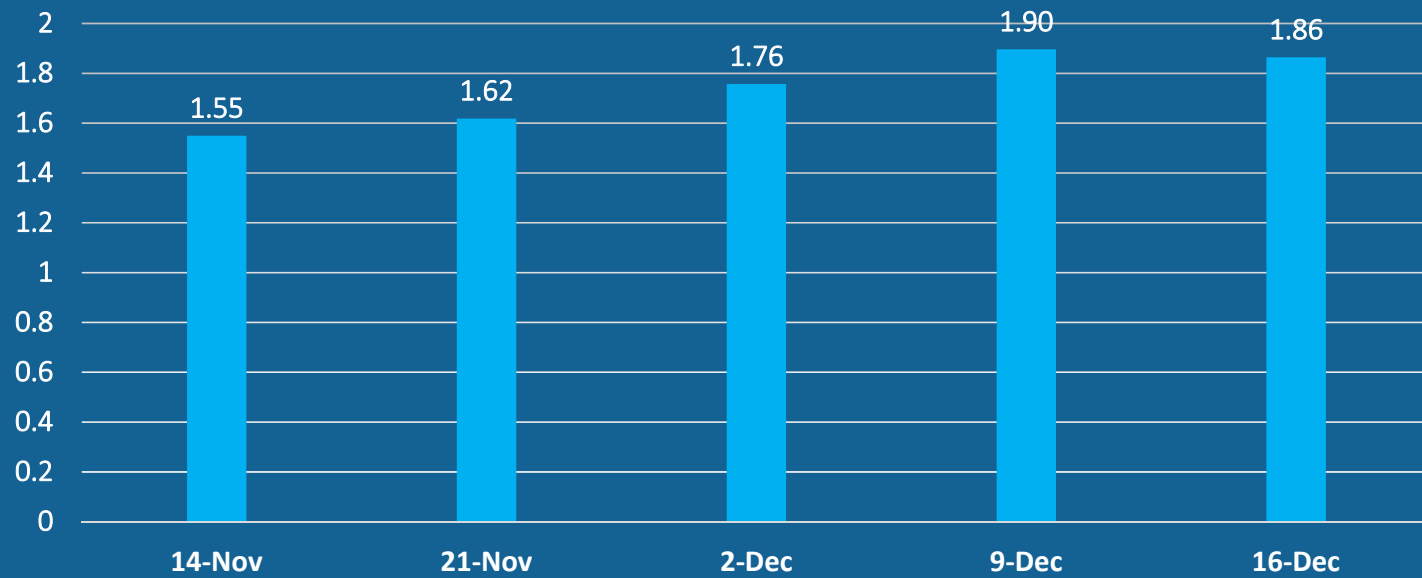
TRS (LBS/TON)



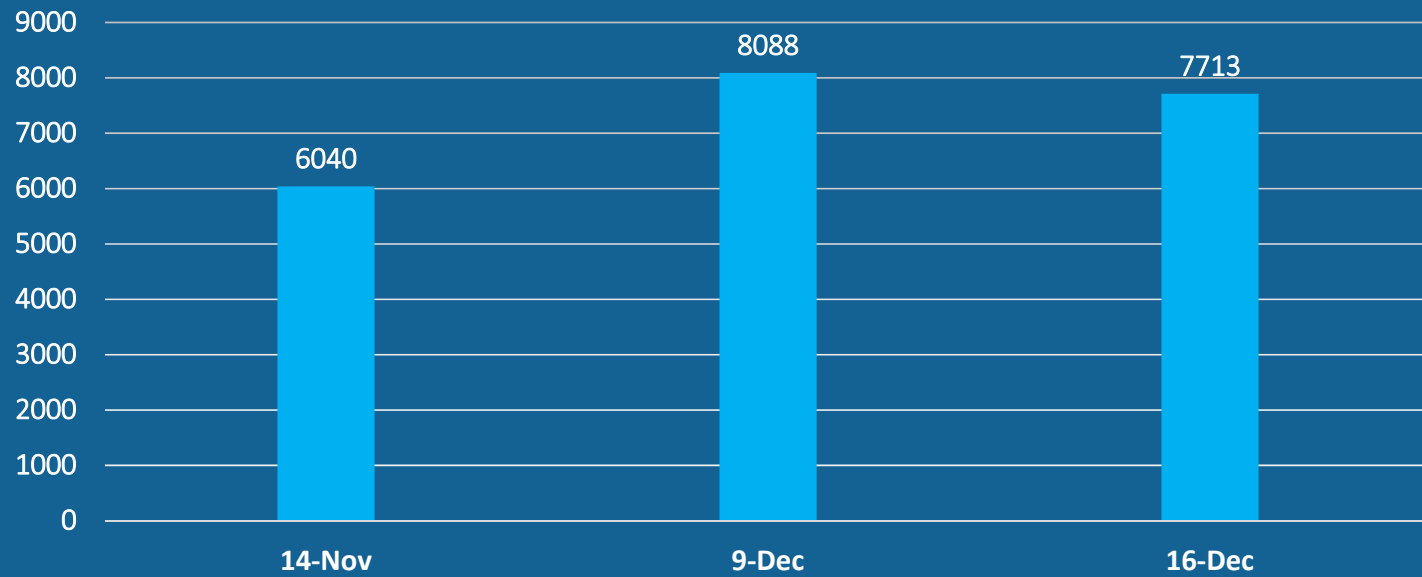
PH



TITRATABLE ACIDITY (ML)



POLYSACCHARIDES OR GUMS (PPM/BRIX)



Laboratory Results

Variety	Rate Dec 9
HoCP96-540	GOOD
L01-299	MODERATE
HoCP04-838	GOOD
HoCP09-804	MODERATE
L11-183	MODERATE
L12-201	POOR
Ho12-615	POOR
Ho13-739	GOOD
L14-267	MODERATE
HoCP14-885	MODERATE
L15-306	MODERATE
HoL15-508	MODERATE
Ho15-971	MODERATE

Variety	Rate Dec 16
HoCP96-540	GOOD
L01-299	MODERATE
HoCP04-838	GOOD
HoCP09-804	MODERATE
L11-183	MODERATE
L12-201	POOR
Ho12-615	POOR
Ho13-739	MODERATE
L14-267	MODERATE
HoCP14-885	MODERATE
L15-306	MODERATE
HoL15-508	MODERATE
Ho15-971	MODERATE

Laboratory Results

Variety	Cold Tolerance Category
HoCP96-540	GOOD
L01-299	MODERATE
HoCP04-838	GOOD
HoCP09-804	MODERATE
L11-183	MODERATE
L12-201	POOR
Ho12-615	POOR
Ho13-739	MODERATE
L14-267	MODERATE
HoCP14-885	MODERATE
L15-306	MODERATE
HoL15-508	MODERATE
Ho15-971	MODERATE

Sugarcane Variety Post-Freeze Deterioration 2020

<u>Good</u>	<u>Moderate</u>	<u>Poor</u>
HoCP 96-540	HoCP 00-950	L 03-371
L 01-283	L 01-299	HoCP 07-613
HoCP 04-838	Ho 05-961	L 11-183
	HoCP 09-804	L 12-201
		Ho 12-615