



Louisiana State University Ag Center
 St. Gabriel Sugarcane Research Station
 2025-Plant Cane

HOCP14-885 Plant Cane (Imperial)

Treatments	Leaf N %	Cane T/ac	Sugar lbs/ac	Brix %	TRS lbs/T	Fiber %	Moisture %	Polarity %	Purity %	Sucrose %
Grower STD100	1.950	51.8	9800	17.2	190	9.6	75.3	58.8	79.0	13.8
Grower STD100 + BF4	1.875	60.3	11527	17.1	191	9.7	75.3	59.1	79.6	13.9
Grower STD50	1.800	51.9	10328	17.4	200	10.1	74.7	61.2	81.0	14.4
Grower STD50 + BF4	1.800	51.4	9562	16.8	190	9.5	75.7	58.4	80.2	13.7
<i>p-value</i>	0.648	0.083	0.036	0.356	0.356	0.429	0.319	0.378	0.297	0.342
<i>SE</i>	0.095	2.46	485	0.25	5.05	0.31	0.39	1.339	0.85	0.29
Grower STD 100+BF4 vs Grower STD 100	-0.1	8.5	1727.0	-0.1	1.0	0.1	0.0	0.3	0.6	0.1

HOCP14-885 Plant Cane (Metric)

Treatments	Leaf N %	Cane t/ha	Sugar kg/ha	Brix %	TRS kg/t	Fiber %	Moisture %	Polarity %	Purity %	Sucrose %
Grower STD100	1.950	116.0	10985.8	17.2	95	9.6	75.3	58.8	79.0	13.8
Grower STD100 + BF4	1.875	135.1	12921.767	17.1	95.5	9.7	75.3	59.1	79.6	13.9
Grower STD50	1.800	116.3	11577.688	17.4	100	10.1	74.7	61.2	81.0	14.4
Grower STD50 + BF4	1.800	115.1	10719.002	16.8	95	9.5	75.7	58.4	80.2	13.7
<i>p-value</i>	0.648	0.083	0.036	0.356	0.356	0.429	0.319	0.378	0.297	0.342
<i>SE</i>	0.095	2.46	485	0.25	5.05	0.31	0.39	1.339	0.85	0.29
Grower STD 100+BF4 vs Grower STD 100	-0.1	19.0	1936.0	-0.1	0.5	0.1	0.0	0.3	0.6	0.1



Louisiana State University Ag Center
 St. Gabriel Sugarcane Research Station
 2025-3rd Year Ratoon Cane

HO12-615 Third Ratoon (Imperial)

Treatments	Leaf N %	Cane ton/ac	Sugar lbs/ac	Brix %	TRS lbs/ton	Fiber %	Moisture %	Polarity %	Purity %	Sucrose %
Grower STD100	1.900	26.9	6455	19.4	239	11.08	71.95	72.3	84.7	16.8
Grower STD100 + BF4	1.775	29.0	7387	20.3	254	11.05	71.12	76.5	85.8	17.7
Grower STD50	1.750	24.0	5604	19.2	235	11.50	71.78	71.1	84.4	16.5
Grower STD50 + BF4	1.850	25.1	6214	20.0	247	12.32	70.42	74.7	85.2	17.3
<i>p-value</i>	0.412	0.119	0.072	0.315	0.396	0.008	0.025	0.365	0.723	0.359
<i>SE</i>	0.085	1.42	426	0.42	8.12	0.29	0.33	2.253	0.95	0.49
Grower Standard 100 + BF4 vs Grower STD100	-0.1	2.1	932.0	0.9	15.0	0.0	-0.8	4.2	1.1	0.9

HO12-615 Third Ratoon (Metric)

Treatments	Leaf N %	Cane t/ha	Sugar kg/ha	Brix %	TRS kg/t	Fiber %	Moisture %	Polarity %	Purity %	Sucrose %
Grower STD100	1.900	60.3	7236.055	19.4	119.5	11.08	71.95	72.3	84.7	16.8
Grower STD100 + BF4	1.775	65.0	8280.827	20.3	127	11.05	71.12	76.5	85.8	17.7
Grower STD50	1.750	53.8	6282.084	19.2	117.5	11.50	71.78	71.1	84.4	16.5
Grower STD50 + BF4	1.850	56.2	6965.894	20.0	123.5	12.32	70.42	74.7	85.2	17.3
<i>p-value</i>	0.412	0.119	0.072	0.315	0.396	0.008	0.025	0.365	0.723	0.359
<i>SE</i>	0.085	1.42	426	0.42	8.12	0.29	0.33	2.253	0.95	0.49
Grower Standard 100 + BF4 vs Grower STD100	-0.1	4.7	1044.8	0.9	7.5	0.0	-0.8	4.2	1.1	0.9