

SUGAR INDUSTRY RESEARCH INSTITUTE

PAGE: 1

FINAL SUGAR QUALITY REPORT

2016

SUGAR QUALITY RESULTS (TO-DATE FIGURES)

SPECIFICATIONS:		EXPORT	98.50	<0.35	<0.25	800-1500	3000-6000	<500.00	22-52	<250.00	<0.30	< 0.50	
		LOCAL	97.00	0.70	-	-	3000	-	10	-			
			POLARIZA-		SAFETY	COLOUR	COLOUR	INSOLUBLE	GRAIN	DEXTRAN		ASH REDUCING	
		WEIGHT	TION	MOISTURE	FACTOR	AFF. RAW	WHOLE RAW	SOLIDS	SIZE			SUGARS	STARCH
FACTORIES		TONNES	%	%	(C)	IU	IU	MG/KG	28MESH(T)	M.A.U.	%	%	
APPLETON	E	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	L	0.00	0.00	0.00	0.00	#N/A	0.00	0.00	#N/A	0.00	0.00	#N/A	#N/A
	A	0.00	0.00	0.00	0.00	#N/A	0.00	0.00	#N/A	#N/A	0.00	#N/A	#N/A
BERNARD LODGE	E	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	L	0.00	0.00	0.00	0.00	#N/A	0.00	0.00	#N/A	0.00	0.00	#N/A	#N/A
	A	0.00	0.00	0.00	0.00	#N/A	0.00	0.00	#N/A	#N/A	0.00	#N/A	#N/A
GOLDEN GROVE	E	485.54	98.43	0.44	0.28	0.00	3509.84	862.59	0.00	463.55	0.30	0.49	0.00
	L	10178.85	98.98	0.24	0.23	#N/A	3099.15	679.37	#N/A	452.24	0.27	#N/A	#N/A
	A	10664.39	98.96	0.25	0.24	#N/A	3117.85	687.72	#N/A	#N/A	0.27	#N/A	#N/A
FROME	E	8732.01	97.80	0.63	0.29	1438.29	4150.95	491.03	56.69	781.26	0.35	0.80	113.00
	L	17085.00	98.31	0.54	0.32	#N/A	3229.20	392.84	#N/A	0.00	0.28	#N/A	#N/A
	A	25817.01	98.14	0.57	0.31	#N/A	3540.96	426.05	#N/A	#N/A	0.31	#N/A	#N/A
EVERGLADES	E	2464.76	98.51	0.59	0.40	791.65	2263.03	896.24	12.73	1212.33	0.21	0.58	5.23
	L	0.00	0.00	0.00	0.00	#N/A	0.00	0.00	#N/A	0.00	0.00	#N/A	#N/A
	A	2464.76	98.51	0.59	0.40	#N/A	2263.03	896.24	#N/A	#N/A	0.21	#N/A	#N/A
MONYMUSK	E	1473.27	98.20	0.43	0.24	1185.76	4607.65	487.24	16.16	346.25	0.46	0.52	0.00
	L	15572.00	98.63	0.34	0.25	#N/A	3600.29	546.74	#N/A	463.53	0.38	#N/A	#N/A
	A	17045.27	98.59	0.35	0.25	#N/A	3687.36	541.60	#N/A	#N/A	0.39	#N/A	#N/A
WORTHY PARK	E	22522.72	99.18	0.26	0.32	1234.43	2220.83	337.34	22.50	260.74	0.19	0.30	114.00
	L	0.00	0.00	0.00	0.00	#N/A	0.00	0.00	#N/A	0.00	0.00	#N/A	#N/A
	A	22522.72	99.18	0.26	0.32	#N/A	2220.83	337.34	#N/A	#N/A	0.19	#N/A	#N/A
TOTALS & AVERAGES	E	35678.30	98.75	0.38	0.31	1287.92	2812.23	426.90	34.71	460.16	0.25	0.45	113.29
	L	42835.85	98.58	0.40	0.28	#N/A	3333.20	516.87	#N/A	401.33	0.31	#N/A	0.00
	A	78514.15	98.66	0.39	0.29	#N/A	3096.46	475.99	#N/A	#N/A	0.28	#N/A	0.00

REMARKS:

A=AVERAGE OR TOTAL

E=EXPORT SUGAR
L=LOCAL SUGAR
NA=NOT AVAILABLE

SUGAR INDUSTRY RESEARCH INSTITUTE

PAGE: 2

FINAL SUGAR QUALITY REPORT

2016

FACTORIES POLARIZATION RESULTS
VS
SIRI LABORATORY POLARIZATION RESULTS (WEEK & TO-DATE FIGURES)

FACTORIES		TONNES COMMER. SUGAR	FACTORIES		SIRI LAB		DIFFERENCES	
			%POL.	MOISTURE	%POL.	MOISTURE	%POL.	TONNES 96 SUGAR
APPLETON	WEEK	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TO DATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BERNARD LODGE	WEEK	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TO DATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GOLDEN- GROVE	WEEK	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TO DATE	10664.39	99.29	0.28	98.96	0.25	-0.33	-59.49
FROME	WEEK	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TO DATE	25817.01	98.59	0.29	98.14	0.57	-0.45	-147.44
EVER GLADES	WEEK	157.09	98.13	0.33	98.03	0.77	-0.10	0.18
	TO DATE	2464.76	98.37	0.42	98.51	0.59	0.15	8.40
MONYMUSK	WEEK	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TO DATE	17045.27	98.65	0.26	98.59	0.35	-0.06	-7.98
WORTHY PARK	WEEK	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TO DATE	22522.72	99.27	0.25	99.18	0.26	-0.09	-30.70
TOTALS & AVERAGES	WEEK	157.09	98.13	0.33	98.03	0.77	-0.10	0.18
	TO DATE	78514.15	98.89	0.27	98.66	0.39	-0.23	-236.07

REMARKS:

L=LOCAL SUGAR
 NA=NOT AVAILABLE

SUGAR INDUSTRY RESEARCH INSTITUTE

PAGE: 3

FINAL SUGAR QUALITY REPORT

2016

		PROJECTED PENALTY OR PREMIUM APPLIED TO BASIS PRICE ON TOTAL EXPORT BASED ON AMSTAR CONTRACT =====								TO-DATE =====	BASE PRICE PER TONNE (US\$) 490.16	
FACTORIES		EXPORT WEIGHT (TONNES)	POLARIZA- TION	SAFETY FACTOR	GRAIN SIZE	COLOUR AFF. RAW	COLOUR WHOLE RAW	DEXTRAN	ASH	TOTAL PEN/PREM (US\$)	REMARKS	
APPLETON	WEEK	0	0	0	0	0	0	0	0	0		
	TO DATE	0	0	0	0	0	0	0	0	0		
BERNARD LODGE	WEEK	0	0	0	0	0	0	0	0	0		
	TO DATE	0	0	0	0	0	0	0	0	0		
GOLDEN - GROVE	WEEK	0	0	0	0	0	0	0	0	0		
	TO DATE	486	7391	-2371	1309	1542	10	-6056	-82	1744		
FROME	WEEK	0	0	0	0	0	0	0	0	0		
	TO DATE	8732	96486	-48817	103809	-1782	18	-247391	-253	-97930		
EVER GLADES	WEEK	157	2145	-2709	423	499	28	-3290	-13	-2915		
	TO DATE	2465	40396	-42595	3185	3039	324	-136642	-55	-132348		
MONYMUSK	WEEK	0	0	0	0	0	0	0	0	0		
	TO DATE	1473	21138	-1343	1698	-2962	0	-6656	-1176	10700		
WORTHY PARK	WEEK	0	0	0	0	0	0	0	0	0		
	TO DATE	22523	432434	-183332	6803	0	3117	-64728	-5503	188792		
TOTAL	WEEK	157	2145	-2709	423	499	28	-3290	-13	-2915		
	TO DATE	35678	597845	-278457	116804	-162	3469	-461473	-7068	-29041		
REMARKS:											NA=NOT AVAILABLE	

SUGAR INDUSTRY RESEARCH INSTITUTE

FINAL 2016

(AS REPORTED BY THE FACTORIES)

	EVER GLADES	GOLDEN GROVE	WORTHY PARK	FROME	APPLETON	MONYMUSK	YEAR TO DATE
<u>CANE</u>							
Estate Received	29,422.76	65,282.35	59,844.38	223,558.93	0.00	128,705.62	506,814.04
Farmer's Received	36,998.52	101,840.45	193,004.35	172,517.85	0.00	113,458.76	617,819.93
Total Received	66,421.28	167,122.80	252,848.73	396,076.78	0.00	242,164.38	1,124,633.97
Ground for sugar	62,746.89	164,649.11	250,503.05	396,076.78	0.00	242,164.38	1,116,140.21
Ground for distillery	993.46	0.00	2,345.68	0.00	0.00	0.00	3,339.14
Ground for other	2,680.93	1,575.24	0.00	0.00	0.00	0.00	4,256.17
Total ground	66,421.28	166,224.35	252,848.73	396,076.78	0.00	242,164.38	1,123,735.52
Percent pol	9.19	9.78	10.71	10.13	0.00	10.17	10.16
Percent fibre	17.08	15.91	13.59	15.33	0.00	14.53	14.96
Tonne/Tonne 96° sugar	20.60	14.73	10.42	14.40	0.00	14.26	13.89
Tonne 96° sugar	3,027.28	11,282.04	24,053.87	27,506.86	0.00	16,984.58	82,854.63
Lit. oil/ tonne 96° sugar	22.43	0.00	0.00	23.26	0.00	11.04	11.90

MILLING

Tonne cane/hour	54.51	79.00	71.06	179.49	0.00	133.12	122.85
Tonne fibre/hour	9.31	12.57	9.64	27.51	0.00	19.34	18.44
Pol extraction	85.68	87.54	94.74	91.88	0.00	90.98	91.32
Reduced pol extraction	90.06	90.58	95.22	93.59	0.00	92.42	93.05
Wholly reduced extraction	92.31	92.34	95.84	94.53	0.00	93.69	94.19
Absolute juice lost% fibre	69.58	65.91	33.45	45.03	0.00	60.24	50.24
Pol lost % fibre	7.69	7.66	4.16	5.37	0.00	6.31	5.78
Imbibition % cane	21.54	26.48	19.53	23.76	0.00	21.04	22.49
Imbibition % fibre	126.10	166.42	143.92	155.01	0.00	144.85	150.30
Bagasse % pol	3.30	3.38	1.93	2.47	0.00	2.76	2.59
Bagasse % moisture	52.23	51.02	51.03	50.75	0.00	52.27	51.27
1st. expressed juice: Brix	16.12	14.19	15.32	14.76	0.00	15.78	15.10
1st. expressed juice: Purity	77.92	79.12	85.18	80.94	0.00	81.37	81.54
Absolute juice: Brix	14.77	15.10	14.83	15.11	0.00	15.05	15.01
Absolute juice: Purity	75.02	76.68	83.55	79.20	0.00	79.01	79.52
Mixed juice: Brix	12.61	12.18	13.37	12.93	0.00	13.16	12.95
Mixed juice: purity	76.37	77.66	84.07	79.66	0.00	79.99	80.23
Reducing sugar/pol ratio	11.42	25.61	0.00	0.00	0.00	11.09	6.85
Last expressed juice: Brix	7.28	3.63	3.77	5.02	0.00	4.33	4.52
Last expressed juice: purity	67.72	70.24	74.93	74.43	0.00	70.45	72.67

	EVER GLADES	GOLDEN GROVE	WORTHY PARK	FROME	APPLETON	MONYMUSK	YEAR TO DATE
<u>CANE</u>							
Evaporator supply juice: Brix	12.80	11.80	12.90	12.85	0.00	12.89	12.71
Evaporator supply juice: Purity	76.80	79.18	83.72	80.11	0.00	79.93	80.55
Syrup: Brix	55.33	60.88	59.40	56.12	0.00	56.93	57.69
Syrup: Purity	77.55	80.52	83.92	80.39	0.00	79.27	80.79
Filter cake: Pol	3.04	3.03	1.38	3.22	0.00	2.10	2.53
Filter cake: Moisture	71.77	71.60	69.21	72.91	0.00	70.97	71.40
Filter cake % cane	2.24	2.00	2.82	3.21	0.00	5.93	3.47
							-
<u>FINAL MOLASSES</u>							
Brix	79.98	82.46	83.18	82.68	0.00	87.41	83.62
Purity	38.70	35.91	32.32	35.03	0.00	3.51	27.97
Weight % cane	4.61	4.58	3.73	5.01	0.00	4.96	4.62
BHE Winter Carp	68.00	86.14	97.99	80.05	0.00	81.18	84.52
<u>COMMERCIAL SUGAR</u>							
Tonne	2,922.30	10,746.89	22,971.06	26,504.00	0.00	16,355.29	79,499.54
Pol export raw	98.31	98.74	99.27	98.54	0.00	98.50	98.71
Pol all sugar	98.31	99.20	99.27	98.58	0.00	98.65	98.83
Moisture: Export raw	0.43	0.52	0.25	0.30	0.00	0.36	0.34
Moisture: All sugar	0.43	0.28	0.25	0.29	0.00	0.26	0.28
<u>POL BALANCE</u>							
POL: Sugar	57.26	74.99	89.65	70.85	0.00	72.04	75.15
Molasses	19.64	15.85	9.79	15.59	0.00	16.16	14.69
Filter cake	0.85	0.71	0.38	1.10	0.00	1.39	0.93
To distillery	1.55	0.00	0.09	0.00	0.00	0.00	0.11
Undetermined	20.70	8.45	0.09	12.46	0.00	10.41	9.13

SUGAR INDUSTRY RESEARCH INSTITUTE

YEAR TO DATE TIME ACCOUNT

FINAL 2016

	EVER GLADES	GOLDEN \ GROVE	WORTHY PARK	FROME	APPLETON	MONYMUSSK	ALL ISLAND
PERCENTAGE	G.A.T.	G.A.T.	G.A.T.	G.A.T.	G.A.T.	G.A.T.	G.A.T.
GROSS AVAILABLE TIME	100.00	100.00	100.00	100.00	100.00	100.00	100.00
WEEK END CLEANING	2.00	3.42	5.92	4.00	0.00	0.05	2.52
NET AVAILABLE TIME	98.00	96.58	94.08	96.00	100.00	99.95	97.48
(A) mechanical	17.46	7.60	1.17	8.39	0.00	10.73	7.58
(B) electrical	1.87	1.17	0.37	2.72	0.00	2.45	1.43
(C) knife choke	0.63	0.40	0.33	0.89	0.00	0.15	0.40
(D) mill choke	1.76	0.09	0.04	1.25	0.00	0.10	0.54
(E) steam	6.12	5.68	2.39	0.75	0.00	0.08	2.49
(F) process	1.46	0.74	0.26	0.33	0.00	0.04	0.47
(G) LABOUR							0.00
1. industrial dispute	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2. other	5.03	0.61	0.00	1.63	0.00	0.59	1.31
(H) extraneous matter	1.57	1.15	0.79	0.93	0.00	3.55	1.34
(I) excessive cleaning	0.74	0.78	0.02	0.00	0.00	0.00	0.26
TOTAL FACTORY STOPPAGES	36.64	18.22	5.37	16.89	0.00	17.69	15.81
NON-FACTORY STOPPAGES							
(A) 1. public holiday	0.00	1.15	0.38	1.39	0.00	0.83	0.62
2. premeditated	0.93	2.87	0.00	4.70	0.00	3.63	2.02
(B) OUT OF CANE							
1. LABOUR							
a. industrial dispute	0.00	0.00	0.00	0.00	0.00	0.00	0.00
b. other	0.00	0.00	0.00	0.00	0.00	0.03	0.01
2. weather	8.14	13.66	4.81	0.00	0.00	7.06	5.60
3. transport	0.58	0.04	3.77	0.00	0.00	0.00	0.71
4. farmers deliveries	2.00	4.27	0.00	5.22	0.00	2.68	2.36
5. Estate deliveries	2.54	4.33	0.00	4.10	0.00	4.63	2.61
7. mechanical	0.00	0.00	0.00	0.00	0.00	0.23	0.04
(C) other J.P.S.	0.82	1.83	0.00	0.00	0.00	0.01	0.44
Poor water supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL NON -FACT. STOPPAGES	17.01	31.57	14.88	19.41	0.00	19.15	16.92
TOTAL ALL CAUSES	53.65	49.79	20.25	36.30	0.00	36.84	32.74
ACTUAL TIME GRINDING	46.35	50.21	79.75	63.70	100.00	63.16	67.26
TIME GRND % NET AVAIL TIME	47.30	51.99	84.77	66.35	100.00	63.19	69.00

SUGAR INDUSTRY RESEARCH INSTITUTE
FACTORY TECHNOLOGY DIVISION

CANE QUALITY REPORT

FINAL 2016

	BERNARD LODGE	WORTHY PARK	MONY- MUSK	APPLE- TON	FROME	EVER GLADES	GOLDEN GROVE	AVG. TOTAL
TC REC'D AT CORE	0.00	252848.73	242164.38	0.00	396076.78	66111.73	165547.56	1122749.18
T. 96 SUGAR MADE	0.00	24054.00	16985.00	0.00	27507.00	3027.00	11282.00	82855.00
BRIX PRESS JUICE	0.00	17.15	17.29	0.00	16.52	16.38	15.64	16.69
POL PRESS JUICE	0.00	14.23	14.25	0.00	13.77	13.23	12.97	13.83
PURITY PRESS JUICE	0.00	82.97	82.42	0.00	83.35	80.76	82.92	82.85
PERCENTAGE TESTED	0.00	91.56	70.67	0.00	70.21	69.14	66.73	74.54
NO. OF SAMPLES TAKEN	0	17314	9909	0	49693	3165	13025	93106
BRIX CRUSHER	0.00	15.32	15.78	0.00	14.76	16.12	14.19	15.10
POL CRUSHER	0.00	13.05	12.84	0.00	11.95	12.56	11.23	12.32
PURITY CRUSHER	0.00	85.18	81.37	0.00	80.96	77.92	79.14	81.55
FIBRE % CANE (CORE)	0.00	15.57	19.78	0.00	18.87	17.21	17.86	18.08
FIBRE % CANE (FACT.)	0.00	13.59	14.53	0.00	15.33	17.08	15.91	14.95
POL % CANE (CORE)	0.00	11.43	10.67	0.00	10.47	10.34	10.03	10.66
POL % CANE (FACT.)	0.00	10.71	10.17	0.00	10.13	9.19	9.78	10.16
J.R.C.S (CORE)	0.00	9.99	9.03	0.00	8.97	8.80	8.62	9.15
TC/TS (CORE)	0.00	10.01	11.07	0.00	11.14	11.36	11.60	10.93
TC/TS (FACT.)	0.00	10.42	14.26	0.00	14.40	0.00	14.73	13.89
R.C.S (FACT.)	0.00	9.60	7.01	0.00	6.94	4.85	6.79	7.41
F.R.I	0.00	96.04	77.69	0.00	74.29	55.37	79.02	79.50
O.E. (REPORTED)	0.00	93.91	76.06	0.00	75.75	62.77	79.54	79.70
RED. POL EXT. (CORE)	0.00	93.77	92.09	0.00	92.45	93.12	92.86	92.77
RED. POL EXT. (REPT.)	0.00	95.22	92.42	0.00	93.59	90.06	90.58	93.05
FILTER CAKE (STD) 0.60								
UNDT LOSS (STD) 1.30								
B.H.E (STD) 98.11								
B.H.E (REPORTED)	0.00	97.99	81.18	0.00	80.05	68.00	86.14	84.52
B.H.E (CALCULATED)	0.00	99.28	87.10	0.00	85.22	75.75	89.13	88.81
POL BALANCE								

% POL LOSS CANE YARC	0.00	6.30	4.68	0.00	3.19	14.37	2.11	4.71
% POL LOSS BAGASSE	0.00	4.92	8.60	0.00	7.86	12.26	12.19	8.26
% POL LOSS FILTER CAK	0.00	0.34	1.17	0.00	0.99	0.63	0.61	0.80
% POL LOSS MOLASSES	0.00	8.69	14.01	0.00	13.87	14.41	13.58	12.72
% POL REC. SUGAR	0.00	79.60	62.47	0.00	63.02	42.94	64.26	65.64
% POL LOSS UNDT	0.00	0.15	9.07	0.00	11.07	15.39	7.24	7.87

SUGAR INDUSTRY RESEARCH INSTITUTE
FACTORY TECHNOLOGY DIVISION
CORE AUDIT REPORT
FINAL 2016

	BERNARD LODGE	WORTHY PARK	MONY- APPLETON MUSK	FROME	EVER GLADES	GOLDEN GROVE	AVG./TOTAL
Tonne Cane Rec'd at Core	0.00	252848.73	242164.38	0.00	396076.78	66111.73	1122749.18
Tonne 96 Sugar Made	0.00	24054.00	16985.00	0.00	27507.00	3027.00	82855.00
Pol % Cane (core)	0.00	11.43	10.67	0.00	10.47	10.34	10.66
Pol % Cane (fact.)	0.00	10.71	10.17	0.00	10.13	9.19	10.16
j.r.c.s (core)	0.00	9.99	9.03	0.00	8.97	8.80	9.15
r.c.s (fact)	0.00	9.60	7.01	0.00	6.94	4.85	7.41
Tc/Ts (fact)	0.00	10.42	14.26	0.00	14.40	20.60	13.89
% Pol Loss Cane Yard	0.00	6.30	4.68	0.00	3.19	14.37	4.71
Reduce Pol Ext. (Core)	0.00	93.77	92.09	0.00	92.45	93.12	92.77
Reduce Pol Ext. (Rept.)	0.00	95.22	92.42	0.00	93.59	90.06	93.05
B.H.E (Reported)	0.00	97.99	81.18	0.00	80.05	68.00	84.52
% Pol Loss Filter Cake	0.00	0.34	1.17	0.00	0.99	0.63	0.80
% Pol Loss Undetermined	0.00	0.15	9.07	0.00	11.07	15.39	7.87
% Pol Loss Molasses	0.00	8.69	14.01	0.00	13.87	14.41	12.72
B.H.E. (Calculated)	0.00	99.28	87.10	0.00	85.22	75.75	88.81
Final Molasses Brix	0.00	83.18	87.41	0.00	82.68	79.98	83.62
Final Molasses Purity	0.00	32.32	34.51	0.00	35.03	38.70	34.65
F.R.I	0.00	96.04	77.69	0.00	74.29	55.37	79.50
Purity Press Juice	0.00	82.97	82.42	0.00	83.35	80.76	82.85

INCREASED PRODUCTION AND F.R.I FOR ADJUSTED CANE YARD LOSS 4 % STD.

Tonne Sugar	0.00	554.27	144.48	0.00	-276.07	578.27	-259.36	741.60
r.c.s	0.00	9.73	7.07	0.00	6.88	5.45	6.66	7.45
Tc/Ts	0.00	10.27	14.14	0.00	14.55	18.34	15.02	13.43
f.r.i	0.00	97.42	78.33	0.00	76.65	61.97	77.24	81.36

STD. R.P.E. AND 4% CANE YARD LOSS

Tonne Sugar	0.00	-357.76	-73.00	0.00	-404.39	175.70	322.90	-336.55
r.c.s	0.00	9.59	7.04	0.00	6.77	5.72	6.85	7.42
Tc/Ts	0.00	10.43	14.20	0.00	14.76	17.49	14.59	13.48
f.r.i	0.00	96.01	78.00	0.00	75.51	64.99	79.51	81.04

STD. FILTER CAKE AT 4 % CANE YARD LOSS AND STD. R.P.E

Tonne Sugar	0.00	-60.38	114.57	0.00	126.98	1.35	1.06	183.57
r.c.s	0.00	9.57	7.09	0.00	6.81	5.72	6.85	7.43
Tc/Ts	0.00	10.45	14.10	0.00	14.69	17.48	14.59	13.46
f.r.i	0.00	95.77	78.52	0.00	75.87	65.01	79.51	81.22

STD. UNDT. AT 4% CANE YARD LOSS, STD. R.P.E, STD. FILTER CAKE LOSS

Tonne Sugar	0.00	-265.45	1572.81	0.00	3209.73	754.14	783.12	6054.36
r.c.s	0.00	9.46	7.74	0.00	7.62	6.86	7.33	7.97
Tc/Ts	0.00	10.57	12.92	0.00	13.13	14.57	13.65	12.54
f.r.i	0.00	94.72	85.72	0.00	84.90	77.98	85.00	87.11

STD. MOL. LOSS (31.5 PTY) AT 4% CANE YARD LOSS AND STD. R.P.E.
FILTER CAKE AND UNDT. LOSS

Tonne Sugar	0.00	57.52	285.06	0.00	527.97	163.57	251.24	1285.36
Tot. Tonne 96 Sugar exp.	0.00	23982.20	19028.91	0.00	30691.23	4700.04	12380.96	90783.33
r.c.s	0.00	9.48	7.86	0.00	7.75	7.11	7.48	8.09
Tc/Ts	0.00	10.54	12.73	0.00	12.91	14.07	13.37	12.37
f.r.i.(Minimum attainable)	0.00	94.94	87.02	0.00	86.39	80.79	86.76	88.36

**SUGAR INDUSTRY RESEARCH INSTITUTE
FACTORY TECHNOLOGY DIVISION**

FINAL 2016

FACTORY REVENUE AS A FUNCTION OF FACTORY RECOVERY INDEX (FRI)

	BERNARD LODGE		WORTHY PARK		MONYMUSK		APPLETON	
F.R.I	Actual 0.00	Standard 91.00	Actual 96.04	Standard 91.00	Actual 77.69	Standard 91.00	Actual 0.00	Standard 91.00
Tonne Cane Rec'd at Core	0	0	252849	252849	242164	242164	0	0
Price/Tonne Sugar(\$)	0.00	0.00	56272.00	56272.00	56018.00	56018.00	0.00	0.00
Crop Avg. JRCS	0.0000	0.0000	9.9900	9.9900	9.0300	9.0300	0.0000	0.0000
Tonne Sugar Produced	0	0	24054	22986	16985	19899	0	0
Tc/Ts	0.00	0.00	10.42	11.00	14.25	12.17	0.00	0.00
Total Revenue from Sugar(\$)	\$0	\$0	\$1,353,566,688	\$1,293,480,864	\$951,465,730	\$1,114,723,110	\$0	\$0
Price/Tonne Cane(\$)	\$0.00	\$0.00	\$3,116.59	\$3,116.59	\$2,613.15	\$2,613.15	\$0.00	\$0.00
Total Revenue to Supplies(\$) *	\$0	\$0	\$788,026,350	\$788,026,350	\$632,812,138	\$632,812,138	\$0	\$0
Supplier's Share (%)	0.00	0.00	58.22	60.92	66.51	56.77	0.00	0.00
Total Revenue to Factory(\$)	\$0	\$0	\$565,540,338	\$505,454,514	\$318,653,592	\$481,910,972	\$0	\$0
Factory Share(%)	0.00	0.00	41.78	39.08	33.49	43.23	0.00	0.00
Factory Gain/Loss for FRI Above/Below 91(\$)	\$0.00	\$0.00	\$60,085,823.79	\$0.00	(\$163,257,380.20)	\$0.00	\$0.00	\$0.00
Base Price			\$ 54,599.00		\$ 54,645.68			

	FROME		EVERGLADES		GOLDEN GROVE		AVERAGE/TOTAL	
F.R.I	Actual 74.29	Standard 91.00	Actual 55.37	Standard 91.00	Actual 79.02	Standard 91.00	Actual 79.50	Standard 91.00
Tonne Cane Rec'd at Core	396077	396077	66112	66112	165548	165548	1122749	1122749
Price/Tonne Sugar(\$)*	56018.00	56018.00	55931.00	55931.00	56018.01	56018.01	56042.98	56042.98
Crop Avg. JRCS	8.9700	8.9700	8.8000	8.8000	8.6200	8.6200	9.1510	9.1510
Tonne Sugar Produced	27507	32331	3027	5294	11282	12986	82855	93496
Tc/Ts	15.01	12.25	20.52	12.49	14.68	12.75	13.74	12.01
Total Revenue from Sugar(\$)	\$1,540,887,126	\$1,811,093,272	\$169,303,137	\$296,111,429	\$631,995,189	\$727,443,251	\$4,643,440,852	\$5,239,809,141
Price/Tonne Cane(\$)	\$2,582.57	\$2,582.57	\$2,492.03	\$2,492.03	\$2,404.15	\$2,404.15	\$2,676.04	\$2,676.04
Total Revenue to Supplies(\$) *	\$1,022,894,173	\$1,022,894,173	\$164,752,361	\$164,752,361	\$398,000,912	\$398,000,912	\$3,004,524,187	\$3,004,524,187
Supplier's Share (%)	66.38	56.48	97.31	55.64	62.98	54.71	64.70	57.34
Total Revenue to Factory(\$)	\$517,992,953	\$788,199,099	\$4,550,776	\$131,359,068	\$233,994,277	\$329,442,339	\$1,638,916,665	\$2,235,284,954
Factory Share(%)	33.62	43.52	2.69	44.36	37.02	45.29	35.30	42.66
Factory Gain/Loss for FRI Above/Below 91(\$)	(\$270,206,146.05)	\$0.00	(\$126,808,292.26)	\$0.00	(\$95,448,062.19)	\$0.00	(\$595,634,056.91)	\$0.00
Base Price	\$ 54,875.02		\$ 54,599.00		\$ 54,459.25			

***STANDARD JRCS = 10.2733

* PAYMENT FOR SUB-STANDARD CANE PROCESSED NOT INCLUDED.

Date Printed:

Friday, December 23, 2016

SUGAR INDUSTRY RESEARCH INSTITUTE

FINAL MOLASSES REPORT

2016

	FACTORY			SIRI						
	HYDROMETER			HYDROMETER		REFRACTOMETER		PURITY		ASH
	BRIX	PURITY	POL	BRIX	PURITY	BRIX	POL	PURITY		
APPLETON	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
FROME	82.71	35.02	28.96	80.28	42.29	78.25	33.93	43.38		7.87
EVERGLADES	80.38	38.53	30.93	81.38	41.54	78.82	33.76	42.88		8.12
MONYMUSK	87.47	34.54	30.20	87.46	36.40	83.54	31.81	38.11		13.65
BERNARD LODG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
GOLDEN GROVE	82.55	35.83	29.53	82.86	35.16	79.16	29.08	36.79		12.21
WORTHY PARK	83.22	31.62	26.31	87.17	30.14	83.44	26.26	31.46		13.78
AVERAGE	83.78	34.56	28.93	83.74	37.45	80.66	31.21	38.82		11.04