

**SUGAR INDUSTRY RESEARCH INSTITUTE
FACTORY TECHNOLOGY DIVISION**

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SUGAR QUALITY REPORT

FINAL 2009

		SUGAR QUALITY RESULTS (TO-DATE FIGURES)										
SPECIFICATIONS: EXPORT		96.00	-	0.30	800-1500	3000-6000	-	22-52	250.00			
LOCAL		97.00	0.70	-	-	3000	-	10	-	< 0.70		
FACTORIES		WEIGHT TONNES	POLARIZA- TION %	MOISTURE %	SAFETY FACTOR (C)	COLOUR AFF. RAW IU	COLOUR WHOLE RA IU	INSOLUBLE SOLIDS MG/KG	GRAIN SIZE 28MESH (T)	DEXTRAN M.A.U.	ASH %	REDUCING SUGARS %
APPLETON	E	30131.63	98.79	0.27	0.23	1291.74	2936.76	122.35	30.79	104.91	0.38	0.39
	L	0.00	0.00	0.00	0.00	#N/A	0.00	0.00	#N/A	#N/A	0.00	#N/A
	A	30131.63	98.79	0.27	0.23	#N/A	2936.76	122.35	#N/A	#N/A	0.38	#N/A
BERNARD LODGIL	E	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	#N/A	0.00	#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
ST THOMAS	E	10538.19	98.42	0.55	0.35	1242.85	2484.50	384.10	37.28	311.07	0.33	0.27
	L	0.00	0.00	0.00	0.00	#N/A	0.00	0.00	#N/A	#N/A	0.00	#N/A
	A	10538.19	98.42	0.55	0.35	#N/A	2484.50	384.10	#N/A	#N/A	0.33	#N/A
FROME	E	36546.73	98.50*	0.32	0.24	1030.33	2498.80	396.25	30.53	282.42	0.29	0.43
	L	0.00	0.00	0.00	0.00	#N/A	0.00	0.00	#N/A	#N/A	0.00	#N/A
	A	36546.73	98.50*	0.32	0.24	#N/A	2498.80	396.25	#N/A	#N/A	0.29	#N/A
LONG POND	E	3570.15	93.22	0.69	0.10	1224.28	2950.50	1085.47	11.53	870.13	0.37	0.39
	L	0.00	0.00	0.00	0.00	#N/A	0.00	0.00	#N/A	#N/A	0.00	#N/A
	A	3570.15	93.22	0.69	0.10	#N/A	2950.50	1085.47	#N/A	#N/A	0.37	#N/A
MONYMUSK	E	18354.14	98.13	0.43	0.23	1412.87	2836.51	625.37	23.14	524.17	0.48	0.40
	L	0.00	0.00	0.00	0.00	#N/A	0.00	0.00	#N/A	#N/A	0.00	#N/A
	A	18354.14	98.13	0.43	0.23	#N/A	2836.51	625.37	#N/A	#N/A	0.48	#N/A
NEW YARMOUTH	E	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	#N/A	0.00	#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
WORTHY PARK	E	20903.49	98.62	0.25	0.18	1054.09	3127.44	218.78	31.71	108.30	0.36	0.39
	L	0.00	0.00	0.00	0.00	#N/A	0.00	0.00	#N/A	#N/A	0.00	#N/A
	A	20903.49	98.62	0.25	0.18	#N/A	3127.44	218.78	#N/A	#N/A	0.36	#N/A
TOTALS	E	120044.33	98.42	0.34	0.22	1183.00	2782.01	351.06	29.70	264.50	0.36	0.39
&	L	0.00	0.00	0.00	0.00	#N/A	0.00	0.00	#N/A	#N/A	0.00	#N/A
AVERAGES	A	120044.33	98.42	0.34	0.22	#N/A	2782.01	351.06	#N/A	#N/A	0.36	#N/A

REMARKS: * Updated

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

SUGAR INDUSTRY RESEARCH INSTITUTE
FACTORY TECHNOLOGY DIVISION

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SUGAR QUALITY REPORT

FINAL 2009

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	30131.63	98.49	0.29	98.79	0.27	0.30	135.95
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
ST THOMAS	WEEK	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TO DATE	10538.19	98.42	0.51	98.42	0.55	0.00	1.50
FROME	WEEK	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TO DATE	36546.73	98.43*	0.35	98.50*	0.32	0.24	137.49
LONG POND	WEEK	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TO DATE	3570.15	98.17	0.69	93.22	0.69	-4.95	-319.95
MONYMUSK	WEEK	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TO DATE	18354.14	98.08	0.42	98.13	0.43	0.06	5.05
NEW YARMOUTH	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
WORTHY PARK	WEEK	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TO DATE	20903.49	98.59	0.24	98.62	0.25	0.03	15.58
TOTALS & AVERAGES	WEEK	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TO DATE	120044.33	98.41	0.35	98.42	0.34	0.01	-20.94

REMARKS: * Updated

L=LOCAL SUGAR
NA=NOT AVAILABLE

**SUGAR INDUSTRY RESEARCH INSTITUTE
FACTORY TECHNOLOGY DIVISION
FINAL**

(AS REPORTED BY THE FACTORIES)

2009

	TRELAWNY	ST. THOMAS	BERNARD LODGE	WORTHY PARK	FROME	APPLETON	MONYMUSK	YEAR TO DATE
<u>CANE</u>								
Estate Rec'd	33,417.35	73,170.66	0.00	82,050.33	187,492.88	187,201.60	113,641.02	676,973.84
Farmer's Rec'd	24,514.59	66,466.98	0.00	103,398.27	204,310.93	120,887.88	146,759.56	666,338.21
Total Rec'd	57,931.94	139,637.64	0.00	185,448.60	391,803.81	308,089.48	260,400.58	1,343,312.05
Grnd for sugar	51,487.83	133,303.08	0.00	185,448.60	391,803.81	306,658.63	258,378.37	1,327,080.32
Grnd for distillery	5,379.40	0.00	0.00	0.00	0.00	1,865.59	0.00	7,244.99
Grnd for other	1,064.71	5,863.92	0.00	0.00	0.00	0.00	0.00	6,928.63
Total ground	57,931.94	139,167.00	0.00	185,448.60	391,803.81	308,524.22	258,378.37	1,341,253.94
Percent pol	10.65	10.87	0.00	12.83	12.28	11.82	11.73	11.93
Percent fibre	16.85	19.83	0.00	13.39	14.76	14.29	14.49	15.03
Tonne/Tonne 96° sugar	13.82	12.48	0.00	8.55	10.35	9.70	13.35	10.90
Tonne 96° sugar	3,832.85	11,486.20	0.00	21,685.08	37,847.15	31,624.80	19,342.46	125,818.54
Lit. oil/ tonne 96° sugar	371.72	0.00	0.00	0.00	31.27	6.23	199.05	64.97
<u>MILLING</u>								
Tonne cane/hour	58.46	80.71	0.00	68.58	146.85	131.36	137.52	119.99
Tonne fibre/hour	9.85	16.00	0.00	9.19	21.67	18.77	19.93	17.84
Pol extraction	86.45	84.81	0.00	95.10	87.85	91.48	88.06	89.35
Reduced pol extraction	90.45	91.22	0.00	95.48	89.98	92.70	89.94	91.51
Wholly reduced extraction	91.43	91.67	0.00	95.31	89.89	92.95	90.34	91.68
Absolute juice lost% fibre	66.88	61.44	0.00	31.66	70.47	51.11	75.15	60.46
Pol lost % fibre	8.57	8.33	0.00	4.69	10.11	7.30	9.66	8.38
Imbibition % cane	21.35	30.98	0.00	23.10	19.17	25.62	26.80	23.99
Imbibition % fibre	126.65	156.28	0.00	172.44	129.88	179.34	184.95	160.35
Bagasse % pol	3.65	3.74	0.00	2.21	4.27	3.11	4.01	3.59
Bagasse % moisture	52.38	49.41	0.00	50.01	52.28	51.83	53.25	51.76
1st. expressed juice: Brix	17.88	15.60	0.00	17.28	17.65	16.47	17.35	17.07
1st. expressed juice: Purity	81.88	81.94	0.00	86.41	84.44	85.25	83.59	84.36
Absolute juice: Brix	16.19	17.41	0.00	17.50	17.50	16.38	16.90	17.06
Absolute juice: Purity	79.12	77.97	0.00	84.66	82.31	84.15	81.15	82.25
Mixed juice: Brix	14.02	13.31	0.00	15.13	15.43	13.79	13.73	14.40
Mixed juice: purity	80.31	79.76	0.00	85.20	83.03	83.76	81.87	82.82
Reducing sugar/pol ratio	9.68	26.25	0.00	5.47	16.74	15.51	11.79	14.63
Last expressed juice: Brix	5.15	6.09	0.00	4.01	7.04	6.05	7.90	6.38
Last expressed juice: purity	72.67	69.29	0.00	75.34	77.45	77.38	76.24	75.86

	TRELAWNY	ST. THOMAS	BERNARD LODGE	WORTHY PARK	FROME	APPLETON	MONYMUSSK	YEAR TO DATE
<u>CANE</u>								
Evaporator supply juice: Brix	13.49	13.19	0.00	14.79	15.38	11.53	13.76	13.79
Evaporator supply juice: Purity	80.73	81.89	0.00	84.91	81.37	81.96	82.05	82.15
Syrup: Brix	52.30	59.51	0.00	60.70	59.55	63.01	57.20	59.73
Syrup: Purity	81.74	83.71	0.00	87.74	82.17	83.43	81.45	83.23
Filter cake: Pol	2.99	4.68	0.00	4.41	3.29	1.21	2.20	2.89
Filter cake: Moisture	70.85	67.16	0.00	69.04	73.95	63.60	73.09	69.89
Filter cake % cane	2.68	1.48	0.00	2.99	2.96	4.42	4.30	3.39
<u>FINAL MOLASSES</u>								
Brix	78.98	82.35	0.00	81.76	85.45	86.93	83.06	84.22
Purity	39.76	40.15	0.00	34.39	35.08	32.90	39.15	36.00
Weight % cane	3.69	3.45	0.00	3.13	4.89	3.27	5.90	4.27
BHE Winter Carp	83.68	93.27	0.00	98.81	93.71	99.40	76.55	91.94
<u>COMMERCIAL SUGAR</u>								
Tonne	3,698.28	11,067.90	0.00	20,903.49	36,546.73	30,547.47	18,737.63	121,501.50
Pol export raw	98.22	97.58	0.00	98.59	98.42	98.48	98.08	98.30
Pol all sugar	98.20	97.58	0.00	98.59	98.42	98.48	98.08	98.30
Moisture: Export raw	0.68	0.80	0.00	0.24	0.35	0.29	0.42	0.40
Moisture: All sugar	0.68	0.80	0.00	0.24	0.35	0.29	0.42	0.40
<u>POL BALANCE</u>								
POL: Sugar	68.09	82.64	0.00	91.09	85.09	90.19	68.92	82.99
Molasses	12.73	12.43	0.00	7.22	13.58	8.72	18.59	12.39
Filter cake	0.79	0.75	0.00	1.08	0.90	0.58	0.92	0.83
To distillery	7.01	0.00	0.00	0.00	0.00	0.42	0.04	0.41
Undetermined	11.38	4.17	0.00	0.61	0.43	0.01	11.53	3.36

**SUGAR INDUSTRY RESEARCH INSTITUTE
FACTORY TECHNOLOGY DIVISION**

YEAR TO DATE TIME ACCOUNT

REPORT NO: FINAL

2009

	LONG POND	TROPI CANA	BERNARD LODGE	WORTHY PARK	FROME 1	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.	G.A.T.
GROSS AVAILABLE TIME	100.00	100.00	0.00	100.00	100.00	100.00	100.00	100.00
WEEK END CLEANING	3.51	6.83	0.00	5.99	5.67	4.90	4.98	4.51
NET AVAILABLE TIME	96.49	93.17	0.00	94.01	94.33	95.10	95.02	95.49
(A) mechanical	24.88	8.98	0.00	0.74	7.83	2.86	26.11	10.18
(B) electrical	4.37	3.97	0.00	0.26	3.10	0.96	1.82	2.05
(C) knife choke	1.04	0.69	0.00	0.40	0.42	0.12	0.17	0.40
(D) mill choke	0.19	0.06	0.00	0.03	0.03	0.29	1.12	0.24
(E) steam	3.92	3.03	0.00	0.40	1.46	0.12	3.04	1.70
(F) process	1.82	6.27	0.00	0.41	0.00	0.00	0.39	1.25
(G) LABOUR								
1. industrial dispute	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2. other	5.20	1.55	0.00	0.00	0.95	0.30	2.00	1.43
(H) extraneous matter	1.28	2.96	0.00	0.21	2.72	0.18	3.10	1.48
(I) excessive cleaning	1.12	2.52	0.00	0.00	0.60	0.26	0.21	0.66
TOTAL FACTORY STOPPAGES	43.82	30.03	0.00	2.45	17.11	5.09	37.96	19.40
NON-FACTORY STOPPAGES								
(A) 1. public holiday	1.56	0.67	0.00	0.61	1.91	0.00	0.00	0.67
2. premeditated	5.73	0.82	0.00	0.00	6.90	1.47	0.63	2.21
(B) OUT OF CANE								
1. LABOUR								
a. industrial dispute	0.00	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	0.00	0.74	0.11
2. weather	5.01	8.29	0.00	4.15	6.95	2.80	2.09	4.14
3. transport	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.26
4. farmers deliveries	2.92	1.63	0.00	17.46	2.29	0.45	0.17	3.52
5. Estate deliveries	2.90	2.57	0.00	0.00	1.53	0.96	0.53	1.21
7. mechanical	0.00	0.00	0.00	0.00	0.00	10.26	0.59	1.54
(C) other j.p.s	0.56	0.83	0.00	0.00	0.00	0.00	0.49	0.27
Poor water supply	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.01
TOTAL NON -FACT. STOPPAGES	23.98	21.64	0.00	28.21	25.25	20.84	10.31	18.45
TOTAL ALL CAUSES	67.80	51.67	0.00	30.66	42.36	25.93	48.27	37.85
ACTUAL TIME GRINDING	32.20	48.33	100.00	69.34	57.64	74.07	51.73	62.15
TIME GRND % NET AVAIL TIME	33.37	51.87	#DIV/0!	73.76	61.10	77.89	54.44	65.09

SUGAR INDUSTRY RESEARCH INSTITUTE
FACTORY TECHNOLOGY DIVISION

CANE QUALITY REPORT

FINAL 2009

	BERNARD LODGE	WORTHY PARK	MONY- MUSK	APPLE- TON	FROME	LONG POND	ST THOMAS	AVG. TOTAL
TC REC'D AT CORE	0.00	185448.60	243656.23	308089.48	391803.81	56889.98	122685.20	1308573.30
T. 96 SUGAR MADE	0.00	21685.08	19355.64	31816.20	37847.15	4190.77	11486.20	126381.04
BRIX PRESS JUICE	0.00	19.40	19.45	18.55	19.99	18.29	18.62	19.27
POL PRESS JUICE	0.00	16.73	16.22	15.75	16.72	15.48	16.06	16.28
PURITY PRESS JUICE	0.00	86.23	83.39	84.91	83.62	84.64	86.25	84.54
PERCENTAGE TESTED	0.00	88.82	99.64	98.83	82.66	95.06	92.72	91.98
NO. OF SAMPLES TAKEN	0	15913	20373	14418	40679	4273	17422	113284
BRIX CRUSHER	0.00	17.28	17.35	16.47	17.65	17.88	15.60	17.08
POL CRUSHER	0.00	14.93	14.50	14.04	14.90	14.64	12.78	14.42
PURITY CRUSHER	0.00	86.39	83.57	85.25	84.43	81.88	81.92	84.39
FIBRE % CANE (CORE)	0.00	15.41	18.71	17.57	17.25	16.13	18.08	17.37
FIBRE % CANE (FACT.)	0.00	13.39	14.50	14.29	14.76	16.85	19.83	14.97
POL % CANE (CORE)	0.00	13.48	12.36	12.24	13.06	12.32	12.37	12.70
POL % CANE (FACT.)	0.00	12.83	11.72	11.82	12.28	10.65	10.87	11.94
J.R.C.S (CORE)	0.00	12.06	10.63	10.69	11.35	10.88	10.87	11.10
TC/TS (CORE)	0.00	8.29	9.41	9.35	8.81	9.19	9.20	9.01
TC/TS (FACT.)	0.00	8.55	13.35	9.70	10.35	13.82	12.48	10.85
R.C.S (FACT.)	0.00	11.70	7.49	10.31	9.66	7.24	8.02	9.44
F.R.I	0.00	96.95	74.66	96.59	91.16	67.71	86.11	88.69
O.E. (REPORTED)	0.00	94.20	69.16	92.39	84.24	76.51	85.50	84.54
RED. POL EXT. (CORE)	0.00	93.84	92.52	92.97	93.10	93.55	92.77	93.05
RED. POL EXT. (REPT.)	0.00	95.48	89.94	92.70	89.98	90.45	91.22	91.53
FILTER CAKE (STD) 0.60								
UNDT LOSS (STD) 1.30								
B.H.E (STD) 98.11								
B.H.E (REPORTED)	0.00	98.81	76.55	99.40	93.71	83.68	93.27	92.10
B.H.E (CALCULATED)	0.00	97.72	84.47	97.01	97.31	85.59	92.56	93.95
POL BALANCE								

% POL LOSS CANE YARD	0.00	4.80	-0.58	3.30	5.99	11.97	0.34	3.70
% POL LOSS BAGASSE	0.00	4.66	12.01	8.23	11.42	11.93	15.14	10.19
% POL LOSS FILTER CAKE	0.00	0.98	0.81	0.51	0.74	0.60	0.63	0.72
% POL LOSS MOLASSES	0.00	6.54	16.47	9.08	11.22	9.69	10.51	10.90
% POL REC. SUGAR	0.00	82.54	61.05	80.27	70.28	56.65	69.86	72.02
% POL LOSS UNDT	0.00	0.48	10.24	-1.40	0.35	9.16	3.53	2.48

SUGAR INDUSTRY RESEARCH INSTITUTE
FACTORY TECHNOLOGY DIVISION
CORE AUDIT REPORT
FINAL 2008

WEEK-ENDING

	BERNARD LODGE	WORTHY PARK	MONY- MUSK	APPLETON	FROME	LONG POND	TROPIC ANA	AVG./TOTAL
Tonne Cane Rec'd at Core	0.00	185448.60	243656.23	308089.48	391803.81	56889.98	122685.20	1308573.30
Tonne 96 Sugar Made	0.00	21685.08	19355.64	31816.20	37847.15	4190.77	11486.20	126381.04
Pol % Cane (core)	0.00	13.48	12.36	12.24	13.06	12.32	12.37	12.70
Pol % Cane (fact.)	0.00	12.83	11.72	11.82	12.28	10.65	10.87	11.94
j.r.c.s (core)	0.00	12.06	10.63	10.69	11.35	10.88	10.87	11.10
r.c.s (fact)	0.00	11.70	7.49	10.31	9.66	7.24	8.02	9.44
Tc/Ts (fact)	0.00	8.55	13.35	9.70	10.35	13.82	12.48	10.85
% Pol Loss Cane Yard	0.00	4.80	-0.58	3.30	5.99	11.97	0.34	3.70
Reduce Pol Ext. (Core)	0.00	93.84	92.52	92.97	93.10	93.55	92.77	93.05
Reduce Pol Ext. (Rept.)	0.00	95.48	89.94	92.70	89.98	90.45	91.22	91.53
B.H.E (Reported)	0.00	98.81	76.55	99.40	93.71	83.68	93.27	92.10
% Pol Loss Filter Cake	0.00	0.98	0.81	0.51	0.74	0.60	0.63	0.72
% Pol Loss Undetermined	0.00	0.48	10.24	-1.40	0.35	9.16	3.53	2.48
% Pol Loss Molasses	0.00	6.54	16.47	9.08	11.22	9.69	10.51	10.90
B.H.E. (Calculated)	0.00	97.72	84.47	97.01	97.31	85.59	92.56	93.95
Final Molasses Brix	0.00	81.76	83.06	86.93	85.45	78.98	82.35	84.26
Final Molasses Purity	0.00	34.39	39.15	32.90	35.08	39.76	40.15	35.91
F.R.I	0.00	96.95	74.66	96.59	91.16	67.71	86.11	88.69
Purity Press Juice	0.00	86.23	83.39	84.91	83.62	84.64	86.25	84.54

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

Tonne Sugar	0.00	171.81	-1140.43	-220.00	846.88	471.01	-469.91	-340.63
r.c.s	0.00	11.79	7.48	10.26	9.88	8.19	8.98	9.63
Tc/Ts	0.00	8.48	13.38	9.75	10.13	12.20	11.14	10.38
f.r.i	0.00	97.70	70.33	95.92	87.05	75.32	82.59	86.81

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

Tonne Sugar	0.00	-359.10	665.31	88.86	1371.59	187.81	205.42	2159.88
r.c.s	0.00	11.59	7.75	10.28	10.23	8.52	9.15	9.80
Tc/Ts	0.00	8.63	12.91	9.72	9.78	11.73	10.93	10.21
f.r.i	0.00	96.10	72.90	96.19	90.13	78.36	84.13	88.30

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

Tonne Sugar	0.00	78.08	50.47	-26.48	59.30	0.07	4.22	165.65
r.c.s	0.00	11.63	7.77	10.28	10.24	8.52	9.15	9.81
Tc/Ts	0.00	8.60	12.87	9.73	9.76	11.73	10.93	10.19
f.r.i	0.00	96.45	73.09	96.11	90.27	78.36	84.16	88.41

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

Tonne Sugar	0.00	-167.62	2136.72	-819.27	-387.51	445.53	274.32	1482.15
r.c.s	0.00	11.54	8.65	10.01	10.14	9.31	9.37	9.92
Tc/Ts	0.00	8.66	11.57	9.99	9.86	10.74	10.67	10.08
f.r.i	0.00	95.70	81.35	93.63	89.40	85.56	86.21	89.43

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	127.56	886.20	607.60	534.75	129.53	325.14	2610.78
Tot. Tonne 96 Sugar exp.	0.00	21535.79	21953.90	31446.93	40272.15	5424.71	11825.38	132458.87
r.c.s	0.00	11.61	9.01	10.21	10.28	9.54	9.64	10.12
Tc/Ts	0.00	8.61	11.10	9.80	9.73	10.49	10.37	9.88
f.r.i.(Minimum attainable)	0.00	96.27	84.77	95.47	90.60	87.65	88.65	91.23

**SUGAR INDUSTRY RESEARCH INSTITUTE
FACTORY TECHNOLOGY DIVISION**

FINAL 2009

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 96.95	Standard 91.00	Actual 74.66	Standard 91.00	Actual 96.59	Standard 91.00
Tonne Cane Rec'd at Core	0	0	185449	185449	243656	243656	308089	308089
Price/Tonne Sugar(\$)	0.00	0.00	46484.55	46484.55	46195.06	46195.06	46590.70	46590.70
Crop Avg. JRCS	0.0000	0.0000	12.0629	12.0629	10.6294	10.6294	10.6913	10.6913
Tonne Sugar Produced	0	0	21685	20357	19356	23568	31816	29974
Tc/Ts	0.00	0.00	8.55	9.11	12.60	10.34	9.68	10.28
Total Revenue from Sugar(\$)	\$0	\$0	\$1,008,021,093	\$946,292,308	\$894,134,951	\$1,088,737,542	\$1,482,339,029	\$1,396,522,744
Price/Tonne Cane(\$)	\$0.00	\$0.00	\$3,476.25	\$3,476.25	\$2,851.99	\$2,851.99	\$2,902.66	\$2,902.66
Total Revenue to Supplies(\$) *	\$0	\$0	\$644,665,508	\$644,665,508	\$694,905,731	\$694,905,731	\$894,279,804	\$894,279,804
Supplier's Share (%)	0.00	0.00	63.95	68.13	77.72	63.83	60.33	64.04
Total Revenue to Factory(\$)	\$0	\$0	\$363,355,584	\$301,626,800	\$199,229,220	\$393,831,811	\$588,059,226	\$502,242,941
Factory Share(%)	0.00	0.00	36.05	31.87	22.28	36.17	39.67	35.96
Factory Gain/Loss for FRI Above/Below 91(\$)	\$0.00	\$0.00	\$61,728,784.24	\$0.00	(\$194,602,590.91)	\$0.00	\$85,816,285.14	\$0.00

	FROME		TRELAUNY SUGAR		ST. THOMAS SUGAR		AVERAGE/TOTAL	
F.R.I	Actual 91.16	Standard 91.00	Actual 67.71	Standard 91.00	Actual 86.11	Standard 91.00	Actual 88.69	Standard 91.00
Tonne Cane Rec'd at Core	391804	391804	56890	56890	122685	122685	1308573	1308573
Price/Tonne Sugar(\$)*	46414.52	46414.52	45948.33	45948.33	46363.22	46363.22	46417.16	46417.16
Crop Avg. JRCS	11.3452	11.3452	10.8791	10.8791	10.8727	10.8727	11.0951	11.0951
Tonne Sugar Produced	37847	40450	4191	5632	11486	12139	126381	132121
Tc/Ts	9.67	9.69	13.58	10.10	10.68	10.11	10.16	9.90
Total Revenue from Sugar(\$)	\$1,756,657,301	\$1,877,483,232	\$192,558,883	\$258,785,461	\$532,537,218	\$562,787,656	\$5,866,248,474	\$6,132,671,492
Price/Tonne Cane(\$)	\$3,167.88	\$3,167.88	\$2,941.17	\$2,941.17	\$2,965.02	\$2,965.02	\$3,062.42	\$3,062.42
Total Revenue to Supplies(\$) *	\$1,241,185,677	\$1,241,185,677	\$167,322,923	\$167,322,923	\$363,764,549	\$363,764,549	\$4,007,400,437	\$4,007,400,437
Supplier's Share (%)	70.66	66.11	86.89	64.66	68.31	64.64	68.31	65.35
Total Revenue to Factory(\$)	\$515,471,624	\$636,297,556	\$25,235,960	\$91,462,538	\$168,772,669	\$199,023,107	\$1,858,848,038	\$2,125,271,055
Factory Share(%)	29.34	33.89	13.11	35.34	31.69	35.36	31.69	34.65
Factory Gain/Loss for FRI Above/Below 91(\$)	(\$120,825,931.54)	\$0.00	(\$66,226,578.32)	\$0.00	(\$30,250,438.78)	\$0.00	(\$264,360,470.17)	\$0.00

***STANDARD JRCS = 10.1239

* PAYMENT FOR SUB-STANDARD CANE PROCESSED NOT INCLUDED.

BASE PRICE PER TONNE SUGAR IS \$ 44,902.61

SUGAR INDUSTRY RESEARCH INSTITUTE
FACTORY TECHNOLOGY DIVISION

T O D A T E M O L A S S E S R E P O R T				RUN		WEEK-ENDING		FINAL	
	FACTORY			SIRI					
	HYDROMETER BRIX	PURITY	POL	HYDROMETER BRIX	PURITY	REFRACTOMETER BRIX	POL	PURITY	ASH
APPLETON	86.81	32.46	28.18	87.50	34.11	82.40	29.84	36.22	12.16
FROME	85.52	35.28	30.18	85.39	36.31	82.39	31.00	37.63	8.36
LONG POND	78.88	39.21	30.93	80.26	41.38	76.18	35.67	41.07	8.02
MONYMUSK	83.23	39.08	32.54	83.11	41.48	78.42	34.60	43.79	10.69
BERNARD LODGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TROPICANA	81.86	37.53	30.71	83.60	36.60	78.44	30.59	39.01	11.61
WORTHY PARK	81.68	33.95	27.73	86.34	33.28	82.06	28.72	35.02	12.78
AVERAGE	84.20	35.94	30.23	84.95	37.10	80.80	31.58	38.89	10.36