

BELIZE SUGAR INDUSTRIES LIMITED

TOWER HILL FACTORY

MANUFACTURING AND LABORATORY

REPORT NO.14-2015

CROP WEEK ENDING May-03-15

	This Week	CUMULATIVE FIGURES TODATE	
		This Crop	Last Crop
CANE			
Total Tons Ground .. .	52,099.80	715,860.28	714,162.86
MILLING			
Tons Cane / Hour .. .	319.53	322.53	343.84
Tons Fibre / Hour .. .	50.11	49.21	52.38
Pol Extraction % .. .	95.29	95.34	95.40
Reduced Pol Extraction (12.5%).. .	96.38	96.30	96.35
Abs. Juice Lost % Fibre .. .	25.32	25.87	25.57
Mixed Juice % Cane .. .	100.30	101.62	98.25
Imbition % Cane .. .	31.28	31.75	28.80
Imbition % Fibre .. .	199.44	208.08	189.05
Java Ratio .. .	79.52	79.55	79.56
Wholly Reduced Extraction (WRE).. .	95.67	95.80	96.28
CANE			
Pol % .. .	14.44	13.77	12.34
Fibre % .. .	15.68	15.26	15.23
BAGASSE			
Pol % .. .	2.19	2.13	1.86
Moisture % .. .	46.61	46.66	47.76
Fibre % .. .	50.62	50.64	49.86
FIRST EXPRESSED JUICE			
° Brix R. .. .	20.68	19.61	17.85
Purity % .. .	87.81	88.27	86.89
ABSOLUTE JUICE			
° Brix R. .. .	19.81	18.71	17.01
Purity % .. .	86.42	86.85	85.60
MIXED JUICE			
° Brix R. .. .	15.80	14.81	13.94
Purity % .. .	86.84	87.24	85.94
Reducing Sugars - Pol Ratio .. .	5.20	4.51	5.01
LAST EXPRESSED JUICE			
° Brix R. .. .	2.48	2.24	2.15
Purity % .. .	79.30	78.83	77.90
CLARIFIED JUICE			
° Brix R. .. .	14.46	13.96	13.45
Purity % .. .	86.51	86.82	86.02

Last Crop Figures for Week Ending : Apr-27-14

MANUFACTURING

	This Week	CUMULATIVE FIGURES TODATE	
		This Crop	Last Crop
SYRUP			
° Brix R.	67.29	66.19	62.71
Purity %	85.69	85.59	84.52
FILTER CAKE			
Tons	2,907.25	29,692.49	31,504.03
Pol %	1.90	0.98	2.07
% Cane	5.58	4.15	4.41
% Bagacillo Added	9.00	9.15	8.69
FINAL MOLASSES			
Sucrose % Solids S - Ideal	3.35	4.62	3.55
° Brix R.	84.82	84.04	83.91
Purity %	33.06	31.10	32.50
Sucrose % Solids	41.70	43.09	43.38
Invert % Solids	24.41	23.70	22.20
Ash % Solids	14.71	14.63	13.85
Solids %	81.94	80.95	80.63
Tons / Ton Cane	0.031	0.031	0.033
SUGAR			
Pol - Export Raw	98.25	98.26	97.97
Pol - Plantation White		99.77	99.76
Pol - Local Brown	98.91	99.10	98.76
Pol - Average All Sugar	98.37	98.49	98.18
Moisture - Export Raw	0.42	0.39	0.56
Moisture - Plantation White		0.05	0.05
Moisture - Local Brown	0.11	0.09	0.13
Moisture - Average All Sugar	0.34	0.32	0.47
EFFICIENCIES			
B.H.E. No. (S.J.M.)	98.86	98.86	97.10
B.H.E. (Winter Carp)	98.00	98.61	96.34
Overall Efficiency	93.76	94.47	92.76
Tons Cane / Ton Sug. (Comm'l)	7.77	8.08	9.26
Tons Cane / Ton Sug. 96° Sugar	7.51	7.80	8.98
Overall Recovery	87.73	88.52	85.90
Overall Recovery 96° Sugar	88.51	89.31	86.58
Lime (Factory) % 96° Sugar	0.53	0.37	0.46
K.w.h. used in Factory / Ton 96° Sugar	195.93	196.31	216.68
Steam % Cane	46.74	45.52	42.77
FUEL			
Diesel used for Power Generation	0.00	0.00	0.00

TIME ANALYSES AND DAILY DELIVERIES

	This Week	CUMULATIVE FIGURES TODATE			
		This Crop		Last Crop	
		Hours	% Tot.Av.T.	Hours	% Tot.Av.T.
TIME ACCOUNT					
Total Available Time	168.00	2,346.75	100.00	2,250.50	100.00
Weekend Stoppages	0.00	45.06	1.92	42.01	1.87
Net Available Time	168.00	2,301.69	98.08	2,208.49	98.13
NON FACTORY LOST TIME					
Out of Cane (Weather)	0.00	0.00	0.00	0.00	0.00
Out of Cane (F.S.D.)	0.60	2.73	0.12	6.35	0.28
Holidays	0.00	28.50	1.21	28.00	1.24
Labour	0.00	0.00	0.00	0.00	0.00
Total Non Factory	0.60	31.23	1.33	34.35	1.53
FACTORY AVAILABLE TIME	167.40	2,270.46	100.00	2,174.14	100.00
FACTORY LOST TIME					
		Hours	% Fact.Av.T.	Hours	% Fact.Av.T.
<i>No.2 Bagasse Conveyor</i>	0.00	0.92	0.04	8.90	0.41
<i>Electrical Power</i>	0.00	0.97	0.04	6.79	0.31
<i>Steam</i>	0.00	0.20	0.01	6.91	0.32
Out of Cane (Other)	0.00	0.00	0.00	0.00	0.00
Machinery Repairs	0.00	4.96	0.22	14.43	0.66
Chokes	1.63	21.20	0.93	18.14	0.83
Electrical	0.00	3.03	0.13	10.20	0.47
Instruments	0.00	3.72	0.16	1.52	0.07
Process	0.00	0.41	0.02	1.13	0.05
* Other Reasons	2.72	15.54	0.68	29.12	1.34
Total Factory	4.35	50.95	2.24	97.14	4.47
Time Grinding	163.05	2,219.51	97.76	2,077.00	95.53
Factory Time Efficiency	97.40		97.76		95.53
Overall Time Efficiency	97.05		94.58		92.29

DAILY CANE DELIVERIES

Day	Mon	Tues	Wed	Thur	Fri	Sat	Sun
Date	Apr-27-15	Apr-28-15	Apr-29-15	Apr-30-15	May-01-15	May-02-15	May-03-15
Cane delivered to yard	7,597.62	7,446.04	7,666.26	7,446.85	7,542.47	7,194.69	7,256.67
Cane Ground	7,648.42	7,471.44	7,640.86	7,294.44	7,593.27	7,245.49	7,205.87
Tons Stock at 6:00 a.m.	254.01	228.61	254.01	406.42	355.62	304.82	355.62

*Details:	Cane shredder tripped	1.47
	Full retention juice tank	0.78
	Empty main carrier	0.05
	Repairs to dumping table hydraulic hose	0.10
	Belcogen # 9 bagasse conveyor tripped	0.17
	Feeder carrier tripped	0.15
	Total	2.72

Major Lost time:

Note: Total Hours of Out of Cane due to Weather

POL BALANCE BASED ON CANE GROUND FOR SUGAR

POL BALANCE	CUMULATIVE FIGURES TODATE					
	This Week		This Crop		Last Crop	
	% Pol In Cane	% Pol In Juice	% Pol In Cane	% Pol In Juice	% Pol In Cane	% Pol In Juice
Pol - Recovered in Sugar	87.73	92.06	88.52	92.84	85.90	90.04
Pol - Lost in Final Molasses	6.02	6.32	5.80	6.08	7.32	7.67
Pol - Lost in Filter Cake	0.74	0.77	0.32	0.34	0.82	0.86
Pol - Unaccounted For	0.80	0.85	0.70	0.74	1.36	1.43
Pol - Total in Juice	95.29	100.00	95.34	100.00	95.40	100.00
Pol - Total in Bagasse	4.71		4.66		4.60	
Pol - Total in Cane	100.00		100.00		100.00	

PRODUCTION

CANE GROUND	CUMULATIVE FIGURES TODATE		
	This Week	This Crop	Last Crop
	BSCFA-CZ	16,251.26	221,612.58
BSCFA-OW	19,051.09	252,668.71	329,893.51
PSCPA	9,340.10	132,432.62	0.00
CSCPA	3,039.70	45,136.24	0.00
Company (CGP & Research)..	4,417.65	64,010.12	69,861.24
Total Factory Tons	52,099.80	715,860.28	714,162.86
SUGAR			
Export Raw - Tons	5,507.02	70,045.44	60,106.29
Plantation White - Tons	0.00	8,226.92	3,416.11
Local Brown - Tons	28.45	1,460.25	2,450.22
DC Demerara - Tons	1,092.73	7,573.27	10,097.26
DC Other Export - Tons	200.09	407.19	0.00
In Process - Tons	(124.82)	927.83	1,074.83
Total made and in Process - Tons ..	6,703.47	88,640.90	77,144.71
FINAL MOLASSES			
Made and in Process - Tons	1,596.70	21,891.90	23,713.29



N. Leiva
Production Superintendent



J.A. Cawich
Laboratory Superintendent