

TABLE A1
CANE CRUSHED AND SUGAR MADE,CANE COMPOSITION,THROUGHPUTS AND TIME ACCOUNTS,PERFORMANCES AND LOSSES
SOUTH AFRICAN FACTORIES (SEASON 2013 - 2014)

SYMBOLS OF FACTORIES	ML *	KM-A *	KM-B *	KM-AVE	PG *	UF *	FX-A *	FX-B *	FX-AVE	AK *	DL	MS-A *	MS-B *	MS-AVE
TONS SUGAR MADE AND ESTIMATED	202679	-	-	297736	148323	128460	-	-	247126	150653	123493	-	-	114425
Refined % total sugar	47.00	-	-	-	70.39	-	-	-	-	-	-	-	-	-
Moisture all sugar	0.07	-	-	0.09	0.02	0.07	-	-	0.08	0.17	0.09	-	-	0.05
Pol all sugar	99.97	-	-	99.37	99.78	99.37	-	-	99.37	99.34	99.24	-	-	99.59
Tons cane crushed total	1685846			2360039	1320453	1121817			2088930	1268101	1064473			1059727
Tons cane crushed per tandem		1230399	1129639				1042186	1046744				359304	700424	
Season started on	20-Mar-2013	-	-	19-Mar-2013	6-Mar-2013	3-Apr-2013	-	-	16-Apr-2013	10-Apr-2013	10-Apr-2013	-	-	18-Apr-2013
Season completed on	22-Dec-2013	-	-	12-Dec-2013	20-Dec-2013	15-Dec-2013	-	-	25-Nov-2013	4-Dec-2013	15-Nov-2013	-	-	30-Nov-2013
Length of season (days)	277	-	-	268	289	256	-	-	223	238	219	-	-	226
TIME ACCOUNT														
Overall time efficiency %	87.30	82.54	78.51	80.54	78.74	79.98	76.37	78.48	77.42	72.93	69.60	51.21	68.94	60.20
Scheduled stops% gross available time	0.29	2.63	2.59	2.61	5.45	3.45	8.35	8.15	8.25	8.46	8.18	12.72	11.75	12.23
Lack of cane % gross available time	7.16	6.65	8.81	7.72	4.78	6.24	7.30	4.80	6.05	5.28	7.55	17.42	9.19	13.25
Other stops % gross available time	5.16	7.63	9.42	8.52	10.13	9.72	7.28	7.85	7.57	10.53	13.83	18.18	9.73	13.90
Foreign matter % gross available time	0.08	0.54	0.67	0.61	0.90	0.60	0.70	0.72	0.71	2.80	0.84	0.47	0.39	0.43
Lost time % available crush.time	5.58	8.46	10.71	9.56	11.40	10.84	8.70	9.10	8.90	12.61	16.58	26.19	12.37	18.75
Force majeure stops (hours)	6	34	27	30	0	91	0	1	0	11	6	0	0	0
THROUGHPUTS PER CRUSHING HOUR #														
Tons cane	282.95	232.40	228.43	445.78	242.71	232.20	254.97	249.26	429.85	304.62	283.87	133.07	187.63	265.30
Tons fibre in bagasse	39.36	32.19	31.55	61.66	35.22	31.75	40.14	39.58	67.97	49.26	43.13	21.59	32.36	44.83
Tons brix in mixed juice(adj.)	45.92	37.22	36.55	71.37	36.98	35.41	39.81	38.72	66.94	47.05	42.56	19.61	27.59	39.04
Tons sucrose in mixed juice(adj.)	39.74	32.52	31.95	62.36	32.03	30.51	34.08	33.14	57.30	40.60	37.02	16.94	23.67	33.57
Tons non-suc. in mixed juice(adj.)	6.18	4.71	4.60	9.01	4.95	4.90	5.72	5.58	9.64	6.44	5.54	2.67	3.92	5.46
Tons of sugar produced	34.02	-	-	56.24	27.26	26.59	-	-	50.85	36.19	32.93	-	-	28.65
COMPOSITION OF CANE CRUSHED														
Sucrose % cane	14.39	14.34	14.34	14.34	13.71	13.62	13.57	13.50	13.53	13.69	13.57	13.10	12.98	13.02
Pol % cane	14.24	14.21	14.20	14.21	13.59	13.44	13.45	13.39	13.42	13.61	13.46	13.00	12.86	12.91
Fibre % cane	13.91	13.84	13.82	13.83	14.59	14.13	15.75	15.87	15.81	16.17	16.38	16.86	16.92	16.90
Brix % cane	16.81	16.63	16.60	16.62	16.08	15.98	16.20	16.14	16.17	16.01	15.89	15.40	15.35	15.37
Ash % cane	1.50	1.36	1.36	1.36	1.64	-	2.07	2.20	2.14	1.89	2.10	1.75	1.95	1.88
ERC % cane	12.28	12.31	12.32	12.32	11.63	11.55	11.31	11.24	11.28	11.59	11.48	11.03	10.86	10.92
ERC % sucrose in cane	85.35	85.85	85.93	85.89	84.82	84.85	83.38	83.27	83.33	84.71	84.62	84.16	83.67	83.84
RV % cane	13.11	13.12	13.12	13.12	12.43	12.35	12.16	12.09	12.13	12.39	12.27	11.80	11.65	11.70
Merc % cane	12.30	12.26	12.27	12.27	11.62	11.59	11.18	11.10	11.14	11.51	11.43	10.96	10.77	10.84
EXTRACTION														
Extraction (sucrose based)	97.60	97.55	97.56	97.55	96.27	96.50	98.53	98.48	98.50	97.40	96.10	97.16	97.19	97.18
Corrected reduced extraction	97.11	97.03	97.03	97.03	95.84	95.85	98.52	98.49	98.50	97.45	95.96	97.32	97.52	97.45
Imbibition % fibre	376	325	309	317	327	324	321	346	334	375	283	323	325	324
Diffusion Rate Index	9	-	-	-	10	4	-	-	-	-	-	-	-	-
Preparation index	-	93	93	93	-	-	91	91	91	92	89	91	91	91
Pol factor	99.29	99.60	98.91	99.27	101.36	96.92	98.36	98.60	98.48	99.66	99.67	99.58	99.88	99.78
Brix factor	100.50	101.04	100.37	100.72	102.37	100.05	100.64	100.67	100.66	100.74	101.11	101.22	101.96	101.71
RECOVERIES														
Boiling house recovery (sucrose)	85.57	-	-	89.62	84.94	86.61	-	-	88.18	88.54	88.27	-	-	84.97
C R B	83.82	-	-	87.28	83.04	84.08	-	-	87.47	87.15	86.33	-	-	84.90
Overall recovery (sucrose)	83.52	-	-	87.43	81.77	83.57	-	-	86.86	86.23	84.83	-	-	82.58
Ton cane per ton sugar	8.32	-	-	7.93	8.90	8.73	-	-	8.45	8.42	8.62	-	-	9.26
Ton cane per ton 96° pol sugar	7.99	-	-	7.66	8.56	8.44	-	-	8.17	8.13	8.34	-	-	8.93
Value Recovery %	97.98	-	-	100.99	96.87	97.95	-	-	103.13	101.01	99.11	-	-	98.76
Crystal Recovery Efficiency (XRE)	100.69	-	-	105.04	99.94	100.89	-	-	108.59	105.44	103.52	-	-	102.21
BALANCES														
Sucrose lost % sucrose in cane														
- lost in bagasse	2.40	-	-	2.45	3.73	3.50	-	-	1.50	2.60	3.90	-	-	2.82
- lost in filter cake	-	-	-	-	0.12	0.28	-	-	-	-	1.21	-	-	-
- lost in final molasses	10.54	-	-	8.25	10.47	9.76	-	-	9.83	8.90	7.56	-	-	11.50
- undetermined losses	3.55	-	-	1.87	3.91	2.88	-	-	1.81	2.26	2.50	-	-	3.11
Non sucrose ratio	1.06	-	-	1.02	1.05	1.00	-	-	1.06	0.99	0.99	-	-	1.13
Fructose ratio FM/MJ	0.95	-	-	0.72	0.78	0.64	-	-	0.70	0.66	0.67	-	-	0.80
Glucose ratio FM/MJ	0.92	-	-	0.56	0.75	0.57	-	-	0.60	0.63	0.56	-	-	0.78

* Cane diffuser

2013/14 season's throughputs, for factories with double tandems, were calculated using concurrent crushing hours.

TABLE A1 (continued)
CANE CRUSHED AND SUGAR MADE,CANE COMPOSITION,THROUGHPUTS AND TIME ACCOUNTS,PERFORMANCES AND LOSSES
SOUTH AFRICAN FACTORIES (SEASON 2013 - 2014)

SYMBOLS OF FACTORIES	GH-A *	GH-B	GH-AVE	NB	UC *	ES *	SZ-A *	SZ-B *	SZ-AVE	UK *	INDUSTRY
TONS SUGAR MADE AND ESTIMATED	-	-	167836	165775	83201	163404	-	-	246751	121251	2361113
Refined % total sugar	-	-	100.00	100.00	-	-	-	-	-	-	22.59
Moisture all sugar	-	-	0.02	0.02	0.06	0.07	-	-	0.10	0.05	0.07
Pol all sugar	-	-	99.93	99.93	99.49	99.60	-	-	99.50	99.45	99.57
Tons cane crushed total			1507969	1467088	696049	1359680			2062966	969830	20032970
Tons cane crushed per tandem	508156	999813					996471	1066496			
Season started on	-	-	5-Apr-2013	12-Mar-2013	14-Mar-2013	12-Mar-2013	-	-	4-Apr-2013	9-Apr-2013	6-Mar-2013
Season completed on	-	-	19-Dec-2013	9-Dec-2013	8-Dec-2013	6-Dec-2013	-	-	12-Dec-2013	15-Nov-2013	22-Dec-2013
Length of season (days)	-	-	258	272	269	269	-	-	252	220	254
TIME ACCOUNT											
Overall time efficiency %	83.44	84.76	84.10	81.23	84.62	84.96	80.61	87.20	83.91	78.97	79.31
Scheduled stops% gross available time	3.64	4.22	3.93	6.03	6.26	4.98	4.47	4.37	4.42	6.97	5.64
Lack of cane % gross available time	6.55	3.51	5.03	6.41	2.35	5.38	12.35	5.09	8.71	12.91	6.91
Other stops % gross available time	6.12	6.89	6.50	6.13	6.33	4.08	1.84	1.96	1.90	0.00	7.38
Foreign matter % gross available time	0.26	0.61	0.44	0.20	0.44	0.60	0.73	1.38	1.06	1.15	0.75
Lost time % available crush.time	6.83	7.51	7.18	7.02	6.96	4.58	2.23	2.20	2.21	0.00	8.51
Force majeure stops (hours)	14	2	8	0	64	0	0	0	0	0	217
THROUGHPUTS PER CRUSHING HOUR #											
Tons cane	97.69	188.70	245.88	277.47	128.68	248.36	205.46	202.50	386.87	232.15	285.76
Tons fibre in bagasse	15.60	29.24	38.50	37.00	17.06	35.65	31.79	31.41	59.94	35.01	42.33
Tons brix in mixed juice(adj.)	14.56	27.54	36.14	42.81	19.74	38.64	31.74	31.30	59.78	37.22	44.23
Tons sucrose in mixed juice(adj.)	12.64	24.00	31.45	37.72	17.26	34.02	27.72	27.36	52.24	32.49	38.44
Tons non-suc. in mixed juice(adj.)	1.93	3.54	4.69	5.10	2.48	4.62	4.02	3.94	7.54	4.73	5.79
Tons of sugar produced	-	-	27.37	31.35	15.38	29.85	-	-	46.27	29.02	33.68
COMPOSITION OF CANE CRUSHED											
Sucrose % cane	13.28	13.20	13.22	14.02	13.88	14.11	13.89	13.90	13.89	14.28	13.84
Pol % cane	13.17	13.07	13.11	13.87	13.78	13.99	13.81	13.82	13.81	14.24	13.72
Fibre % cane	16.17	16.14	16.15	14.16	13.43	14.56	15.68	15.74	15.71	15.08	15.04
Brix % cane	15.51	15.44	15.47	16.16	16.08	16.13	16.08	16.08	16.08	16.57	16.14
Ash % cane	3.54	2.86	3.09	1.81	1.25	2.07	1.12	1.13	1.13	1.42	1.78
ERC % cane	11.25	11.16	11.19	12.07	11.92	12.22	11.88	11.90	11.89	12.21	11.78
ERC % sucrose in cane	84.72	84.58	84.63	86.12	85.88	86.59	85.54	85.59	85.56	85.53	85.13
RV % cane	12.02	11.93	11.96	12.84	12.69	12.97	12.66	12.67	12.66	13.02	12.58
Merc % cane	11.23	11.14	11.17	12.11	11.92	12.27	11.89	11.91	11.90	12.11	11.75
EXTRACTION											
Extraction (sucrose based)	97.41	96.39	96.74	96.98	96.67	97.08	97.17	97.21	97.19	98.03	97.23
Corrected reduced extraction	97.48	96.39	96.76	96.26	95.85	96.66	97.05	97.11	97.08	97.84	96.97
Imbibition % fibre	280	301	294	271	293	376	289	294	292	479	331
Diffusion Rate Index	12	13	13	10	-	7	10	10	10	8	9
Preparation index	-	-	-	-	92	-	-	-	-	-	91
Pol factor	99.59	98.93	99.15	98.88	97.26	99.59	99.10	100.31	99.72	99.80	99.25
Brix factor	100.47	100.12	100.24	100.12	98.59	100.44	100.20	101.24	100.74	101.22	100.69
RECOVERIES											
Boiling house recovery (sucrose)	-	-	86.95	83.07	88.66	87.40	-	-	88.13	88.85	87.23
C R B	-	-	85.23	79.99	85.35	83.58	-	-	85.42	86.80	85.22
Overall recovery (sucrose)	-	-	84.11	80.56	85.71	84.85	-	-	85.65	87.10	84.81
Ton cane per ton sugar	-	-	8.98	8.85	8.37	8.32	-	-	8.36	8.00	8.48
Ton cane per ton 96° pol sugar	-	-	8.63	8.50	8.07	8.02	-	-	8.07	7.72	8.18
Value Recovery %	-	-	99.83	94.62	99.26	98.02	-	-	99.80	101.13	99.35
Crystal Recovery Efficiency (XRE)	-	-	103.44	96.83	102.57	100.34	-	-	102.89	105.58	102.91
BALANCES											
Sucrose lost % sucrose in cane											
- lost in bagasse	-	-	3.26	3.02	3.33	2.92	-	-	2.81	1.97	2.77
- lost in filter cake	-	-	0.37	1.43	0.28	0.14	-	-	0.16	-	0.26
- lost in final molasses	-	-	9.76	10.14	9.16	9.21	-	-	9.53	9.02	9.52
- undetermined losses	-	-	2.49	4.85	1.51	2.88	-	-	1.85	1.91	2.64
Non sucrose ratio	-	-	1.02	1.09	1.00	1.08	-	-	1.04	1.00	1.04
Fructose ratio FM/MJ	-	-	0.65	0.81	0.64	0.73	-	-	0.71	0.65	0.73
Glucose ratio FM/MJ	-	-	0.51	0.68	0.31	0.53	-	-	0.63	0.55	0.63

* Cane diffuser

2013/14 season's throughputs, for factories with double tandems, were calculated using concurrent crushing hours.

TABLE A2
CANE CRUSHED AND SUGAR MADE,CANE COMPOSITION,THROUGHPUTS AND TIME ACCOUNTS,PERFORMANCES AND LOSSES
SWAZILAND, MALAWI , ZIMBABWE ,ZAMBIA ,TANZANIA AND MOZAMBIQUE FACTORIES (SEASON 2013 - 2014)

SYMBOLS OF FACTORIES	MH-A *	MH-B	MH-AVE	UB-A *	UB-B	UB-AVE	SM	NH *	DW *	HV-A *	HV-B *	HV-AVE
TONS SUGAR MADE AND ESTIMATED	-	-	182348	-	-	251273	219843	163169	125844	-	-	239228
Refined % total sugar	-	-	70.38	-	-	32.15	-	7.86	9.62	-	-	-
Moisture % all sugar	-	-	0.04	-	-	0.10	0.09	0.02	0.06	-	-	0.08
Pol % all sugar	-	-	99.76	-	-	99.52	99.37	99.28	99.24	-	-	99.34
Tons cane crushed total			1510845			2226833	1854209	1466153	933774			1874524
Tons cane crushed per tandem	666209	844636		925610	1301223					968443	906081	
Season started on	-	-	3-Apr-2013	-	-	9-Apr-2013	3-Apr-2013	9-Apr-2013	10-Apr-2013	-	-	16-Apr-2013
Season completed on	-	-	11-Dec-2013	-	-	13-Dec-2013	12-Dec-2013	14-Dec-2013	16-Dec-2013	-	-	19-Dec-2013
Length of season (days)	-	-	252	-	-	248	253	249	250	-	-	247
TIME ACCOUNT												
Overall time efficiency %	80.44	82.78	81.61	85.91	89.20	87.56	78.00	80.76	86.16	80.22	74.97	77.65
Scheduled stops% gross available time	6.24	6.35	6.30	2.39	3.12	2.76	4.42	3.72	3.77	5.24	4.08	4.67
Lack of cane % gross available time	12.89	10.26	11.57	9.15	6.37	7.76	9.32	8.53	4.49	8.01	13.25	10.58
Other stops % gross available time	0.03	0.07	0.05	1.42	1.14	1.28	8.01	5.89	5.40	6.18	7.66	6.90
Foreign matter % gross available time	0.40	0.53	0.47	1.13	0.16	0.65	0.24	1.10	0.18	0.35	0.05	0.21
Lost time % available crush.time	0.03	0.09	0.06	1.63	1.26	1.44	9.32	6.79	5.89	7.15	9.27	8.16
Force majeure stops (hours)	15	5	10	0	0	0	0	12	0	0	0	0
THROUGHPUTS PER CRUSHING HOUR #												
Tons cane	144.30	176.02	314.86	190.81	257.10	439.98	413.83	304.45	181.42	205.23	213.84	397.25
Tons fibre in bagasse	18.66	24.86	42.81	22.95	32.10	54.10	52.81	42.68	25.70	29.10	30.02	56.06
Tons brix in mixed juice	22.44	27.89	49.48	21.89	46.74	67.72	63.16	45.96	30.63	32.96	34.91	64.31
Tons pol in mixed juice	19.25	24.00	42.52	18.68	39.55	57.46	54.48	39.51	26.65	28.74	30.54	56.16
Tons non-pol. in mixed juice	3.19	3.90	6.96	3.20	7.20	10.27	8.68	6.45	3.99	4.22	4.37	8.14
Tons of sugar produced	-	-	38.00	-	-	49.65	49.07	33.88	24.45	-	-	50.70
COMPOSITION OF CANE CRUSHED												
Pol % cane	13.81	14.24	14.05	10.25	15.77	13.48	13.76	13.71	15.14	14.42	14.69	14.55
Fibre % cane	13.71	14.39	14.09	12.60	13.37	13.05	13.96	14.44	14.25	14.37	14.22	14.29
Brix % cane	16.27	16.75	16.54	12.25	18.91	16.14	16.17	16.16	17.83	16.76	17.02	16.89
Ash % cane	-	-	-	2.22	2.24	2.23	1.54	3.40	-	-	-	-
ERC % cane	11.69	12.08	11.91	8.52	13.23	11.27	11.67	11.59	12.85	12.34	12.62	12.48
ERC % pol in cane	84.67	84.78	84.73	83.14	83.88	83.65	84.80	84.53	84.86	85.58	85.89	85.74
EXTRACTION												
Extraction (pol based)	96.64	95.71	96.11	95.51	97.55	96.91	95.69	94.66	97.01	97.11	97.20	97.15
Corrected reduced extraction	95.74	94.96	95.28	94.82	96.50	95.90	94.49	93.83	96.37	96.60	96.62	96.61
Imbibition % fibre	355	369	363	111	529	359	300	254	360	371	375	373
Diffusion Rate Index	-	-	-	11	11	11	-	8	8	-	-	-
Preparation index	-	-	-	-	-	-	91	-	-	93	93	93
Pol factor	97.18	101.41	99.53	74.07	117.99	99.36	99.41	97.19	99.79	98.62	100.57	99.56
Brix factor	99.74	103.73	101.96	75.37	118.84	100.54	100.00	99.21	102.13	99.66	101.34	100.47
RECOVERIES												
Boiling house recovery (pol based)	-	-	89.16	-	-	85.99	89.50	85.15	91.06	-	-	89.67
Overall recovery (pol based)	-	-	85.69	-	-	83.33	85.64	80.61	88.34	-	-	87.12
Ton cane per ton sugar	-	-	8.29	-	-	8.86	8.43	8.99	7.42	-	-	7.84
Ton cane per ton 96° pol sugar	-	-	7.97	-	-	8.55	8.15	8.69	7.18	-	-	7.57
BALANCES												
Pol lost % pol in cane	-	-	3.89	-	-	3.09	4.31	5.34	2.99	-	-	2.85
- lost in bagasse	-	-	0.16	-	-	0.13	0.58	0.14	0.05	-	-	-
- lost in filter cake	-	-	7.61	-	-	9.86	7.63	9.95	7.48	-	-	7.59
- undetermined losses	-	-	2.65	-	-	3.58	1.84	3.96	1.14	-	-	2.45
Non pol ratio	-	-	1.04	-	-	1.14	1.03	0.99	0.95	-	-	0.99

* Cane diffuser

2013/14 season's throughputs, for factories with double tandems, were calculated using concurrent crushing hours.

TABLE A2 (continued)
CANE CRUSHED AND SUGAR MADE,CANE COMPOSITION,THROUGHPUTS AND TIME ACCOUNTS,PERFORMANCES AND LOSSES
SWAZILAND , MALAWI , ZIMBABWE ,ZAMBIA ,TANZANIA AND MOZAMBIQUE FACTORIES (SEASON 2013 - 2014)

SYMBOLS OF FACTORIES	TR-A *	TR-B	TR-AVE	NK-A	NK-B	NK-AVE	MW *	RU *	MA *	MB *	XN *
TONS SUGAR MADE AND ESTIMATED	-	-	249043	-	-	393268	52614	63881	81966	65414	184418
Refined % total sugar	-	-	-	-	-	11.18	-	-	-	-	-
Moisture % all sugar	-	-	-	-	-	0.09	0.12	0.12	0.69	0.12	0.17
Pol % all sugar	-	-	99.35	-	-	99.33	99.15	99.04	99.20	99.00	99.11
Tons cane crushed total			2011965			3153728	531421	664324	677797	557864	1460373
Tons cane crushed per tandem	1406339	605626		1636602	1517126						
Season started on	-	-	11-Apr-2013	-	-	28-Mar-2013	23-May-2013	17-Jun-2013	7-May-2013	13-May-2013	3-May-2013
Season completed on	-	-	13-Dec-2013	-	-	24-Nov-2013	6-Feb-2014	29-Mar-2014	12-Oct-2013	19-Nov-2013	28-Nov-2013
Length of season (days)	-	-	246	-	-	241	259	285	158	190	209
TIME ACCOUNT											
Overall time efficiency %	86.47	67.52	77.01	91.11	87.65	89.37	72.90	72.44	88.16	74.81	80.61
Scheduled stops% gross available time	3.89	5.71	4.80	2.86	3.79	3.33	3.59	2.48	4.16	3.07	4.49
Lack of cane % gross available time	0.81	12.09	6.44	0.48	1.35	0.92	15.72	9.73	5.45	11.05	8.27
Other stops % gross available time	8.26	14.59	11.42	5.51	7.18	6.35	7.44	15.30	0.00	10.68	6.02
Foreign matter % gross available time	0.57	0.08	0.33	0.04	0.03	0.03	0.34	0.05	2.24	0.39	0.61
Lost time % available crush.time	8.72	17.77	12.91	5.71	7.57	6.64	9.26	17.44	0.00	12.49	6.95
Force majeure stops (hours)	0	0	0	1	0	1	0	7	8	0	75
THROUGHPUTS PER CRUSHING HOUR #											
Tons cane	274.48	151.92	392.69	322.22	306.01	620.92	111.46	143.65	202.78	186.03	417.05
Tons fibre in bagasse	38.12	20.76	54.28	48.52	41.42	88.94	15.63	21.77	23.34	26.97	59.44
Tons brix in mixed juice	44.27	24.35	63.21	52.01	49.34	100.17	15.03	19.40	31.22	28.52	65.97
Tons pol in mixed juice	38.46	21.14	54.91	45.07	42.88	86.92	12.73	16.34	27.10	24.54	57.51
Tons non-pol. in mixed juice	5.81	3.21	8.31	6.94	6.46	13.25	2.30	3.05	4.12	3.98	8.46
Tons of sugar produced	-	-	48.61	-	-	77.43	11.04	13.81	24.52	21.81	52.67
COMPOSITION OF CANE CRUSHED											
Pol % cane	14.46	14.49	14.47	14.58	14.63	14.60	12.19	12.24	13.81	13.75	14.17
Fibre % cane	14.15	14.03	14.12	14.45	14.39	14.42	15.29	16.23	12.31	15.26	14.24
Brix % cane	17.03	17.18	17.07	17.14	17.13	17.14	14.78	14.85	16.27	17.01	16.57
Ash % cane	0.71	0.71	0.71	-	-	-	3.23	3.43	1.57	2.04	1.35
ERC % cane	12.25	12.22	12.24	12.37	12.45	12.41	10.00	10.02	11.74	11.15	12.07
ERC % pol in cane	84.75	84.36	84.63	84.85	85.12	84.98	82.08	81.87	84.97	81.05	85.18
EXTRACTION											
Extraction (pol based)	96.92	96.02	96.65	95.95	95.79	95.87	93.71	92.99	96.75	95.94	97.30
Corrected reduced extraction	96.28	95.10	95.93	95.48	94.76	95.15	93.29	93.15	95.29	95.50	96.86
Imbibition % fibre	350	347	349	305	300	303	160	236	282	227	366
Diffusion Rate Index	-	-	-	-	-	-	-	-	-	-	-
Preparation index	91	91	91	85	86	86	85	80	90	91	91
Pol factor	99.74	99.50	99.67	98.78	99.17	98.97	94.85	94.25	94.87	99.86	98.67
Brix factor	101.09	101.61	101.24	99.67	99.68	99.67	95.66	95.55	96.92	105.88	100.26
RECOVERIES											
Boiling house recovery (pol based)	-	-	87.95	-	-	88.49	85.96	83.70	89.77	88.00	90.76
Overall recovery (pol based)	-	-	85.01	-	-	84.84	80.55	77.84	86.85	84.42	88.31
Ton cane per ton sugar	-	-	8.08	-	-	8.02	10.10	10.40	8.27	8.53	7.92
Ton cane per ton 96° pol sugar	-	-	7.81	-	-	7.75	9.78	10.08	8.00	8.27	7.67
BALANCES											
Pol lost % pol in cane											
- lost in bagasse	-	-	3.35	-	-	4.13	6.29	7.01	3.25	4.06	2.70
- lost in filter cake	-	-	0.28	-	-	0.35	0.51	0.38	0.42	0.17	-
- lost in final molasses	-	-	7.40	-	-	8.46	9.37	10.35	7.68	8.89	7.41
- undetermined losses	-	-	3.97	-	-	2.22	3.28	4.43	1.80	2.45	1.58
Non pol ratio	-	-	1.00	-	-	1.04	1.00	1.05	0.96	0.96	1.11

* Cane diffuser

2013/14 season's throughputs, for factories with double tandems, were calculated using concurrent crushing hours.

TABLE B1
ANALYSIS OF BAGASSE, JUICES, FILTER CAKE, SYRUP AND FINAL MOLASSES
SOUTH AFRICAN FACTORIES (SEASON 2013 - 2014)

SYMBOLS OF FACTORIES	ML *	KM-A *	KM-B *	KM-AVE	PG *	UF *	FX-A *	FX-B *	FX-AVE	AK *	DL	MS-A *	MS-B *	MS-AVE
FINAL BAGASSE														
Pol % bagasse	1.09	1.29	1.25	1.27	1.61	1.60	0.60	0.61	0.60	1.09	1.60	1.07	0.99	1.01
Moisture % bagasse	54.05	46.97	48.41	47.67	51.76	51.67	50.88	51.14	51.01	48.65	51.35	51.50	51.54	51.52
Fibre % bagasse	44.11	50.79	49.44	50.14	45.59	45.87	47.35	47.07	47.21	49.61	45.96	46.61	46.70	46.67
Ash % bagasse	3.34	-	-	3.26	2.54	-	-	-	-	4.35	-	-	-	-
LCV (kJ per kg bagasse) #	6403	-	-	7729	6999	-	-	-	-	7340	-	-	-	-
MIXED JUICE														
Mixed juice(adj.) % cane	120.81	117.76	114.76	116.32	115.69	114.49	117.80	121.64	119.72	128.44	109.94	117.64	120.08	119.26
Brix % mixed juice(adj.)	13.43	13.60	13.94	13.76	13.17	13.32	13.25	12.77	13.01	12.02	13.64	12.53	12.24	12.34
Sucrose purity (MJ adj.)	86.54	87.35	87.40	87.37	86.61	86.16	85.63	85.58	85.60	86.31	86.98	86.40	85.80	86.00
Apparent purity(MJ adj.)	85.52	86.51	86.58	86.49	85.66	84.96	84.86	84.85	84.70	85.67	86.04	85.67	84.99	84.01
Purity difference(MJ adj. - DAC)	-0.12	-0.17	-0.25	-0.21	0.49	-1.81	-0.08	0.16	0.04	-0.11	0.28	-0.13	-0.52	-0.39
(Glucose + fructose) % sucrose(MJ unadj)	4.77	-	-	4.30	4.71	5.51	-	-	4.60	4.18	4.53	-	-	4.91
Suspended solids % MJ(unadj.)	0.14	0.31	0.31	0.31	0.09	0.40	0.37	0.38	0.37	0.30	1.08	0.60	0.54	0.56
Pol/sucrose ratio (MJ unadj.)	0.9896	0.9904	0.9906	0.9905	0.9908	0.9867	0.9911	0.9915	0.9913	0.9942	0.9913	0.9916	0.9906	0.9909
CLARIFIED JUICE														
Brix % clarified juice	13.77	-	-	13.61	12.43	13.00	-	-	13.71	12.01	12.85	-	-	12.88
Apparent purity (%)	86.19	-	-	86.20	85.25	83.99	-	-	84.17	84.79	85.30	-	-	82.08
Purity difference(CJ - MJ)	0.67	-	-	-0.29	-0.41	-0.97	-	-	-0.53	-0.88	-0.74	-	-	-1.93
Average pH	7.0	-	-	7.0	7.1	7.0	-	-	7.1	7.0	7.1	-	-	7.0
CLARIFIER MUD														
Tons clarifier mud	76419	58612	49670	108282	7098	-	86095	98772	184867	88113	-	2213	84678	86891
Pol % clarifier mud	12.20	11.82	11.92	11.86	9.10	-	11.65	11.56	11.60	10.02	-	9.49	11.55	11.50
Brix % clarifier mud	14.44	14.07	14.19	14.12	11.74	-	14.02	13.92	13.97	12.00	-	11.67	14.09	14.02
Insoluble solids % clarifier mud	3.81	8.23	8.04	8.14	6.07	-	5.47	5.36	5.41	5.86	-	10.64	8.58	8.64
FILTER CAKE														
Pol % filter cake	-	-	-	-	1.54	1.38	-	-	-	-	2.30	-	-	-
Moisture % filter cake	-	-	-	-	-	70.00	-	-	-	-	-	-	-	-
Filter cake % cane	-	-	-	-	1.03	2.78	-	-	-	-	7.15	-	-	-
Filter wash index	-	-	-	-	105.9	102.5	-	-	-	-	106.1	-	-	-
Purity difference(CJ - filtrate)	-	-	-	-	-	9.23	-	-	-	-	1.17	-	-	-
SYRUP														
Brix % syrup	67.86	-	-	67.00	67.26	57.09	-	-	66.05	67.22	65.56	-	-	68.55
Apparent purity (%)	85.18	-	-	85.65	85.24	84.60	-	-	84.06	84.86	85.52	-	-	83.04
Purity difference(Syrup - MJ)	-0.34	-	-	-0.85	-0.42	-0.36	-	-	-0.64	-0.81	-0.52	-	-	-0.96
Average pH	5.9	-	-	5.9	6.0	6.0	-	-	6.2	6.1	6.7	-	-	6.2
FINAL MOLASSES														
Refractometer brix	83.55	-	-	84.53	83.32	82.23	-	-	85.32	85.06	84.99	-	-	86.40
Pol/refractometer brix purity (%)	36.71	-	-	33.91	37.75	36.58	-	-	34.21	36.16	32.93	-	-	35.97
Sucrose/refractometer brix purity (%)	39.34	-	-	37.14	40.00	39.13	-	-	36.31	37.18	35.30	-	-	37.10
Conductivity ash %	12.50	-	-	16.37	13.04	12.55	-	-	14.91	14.78	16.39	-	-	14.08
(Glucose + fructose)/ash ratio	1.13	-	-	0.65	0.85	0.87	-	-	0.68	0.67	0.66	-	-	0.81
Fructose %	7.42	-	-	6.19	6.12	6.16	-	-	5.77	5.50	6.13	-	-	6.17
Glucose %	6.71	-	-	4.51	5.03	4.82	-	-	4.34	4.44	4.63	-	-	5.22
TPD based on molasses (made)	8.0	-	-	3.8	8.7	7.9	-	-	3.5	3.9	1.2	-	-	3.2
TPD based on mixed juice	8.0	-	-	5.5	10.1	9.9	-	-	5.0	5.4	3.2	-	-	4.0
Final molasses @ 85° brix % cane	4.53	-	-	3.75	4.22	4.00	-	-	4.31	3.85	3.42	-	-	4.75
Pol/sucrose ratio	0.9330	-	-	0.9130	0.9437	0.9349	-	-	0.9422	0.9726	0.9331	-	-	0.9694

* Cane diffuser

Lower Calorific Value (LCV) = 18260.00 - 31.14 Bx % bagasse - 207.01 moisture % bagasse - 182.60 ash % bagasse

TABLE B1 (continued)
ANALYSIS OF BAGASSE, JUICES, FILTER CAKE, SYRUP AND FINAL MOLLASSES
SOUTH AFRICAN FACTORIES (SEASON 2013 - 2014)

SYMBOLS OF FACTORIES	GH-A *	GH-B	GH-AVE	NB	UC *	ES *	SZ-A *	SZ-B *	SZ-AVE	UK *	INDUSTRY
FINAL BAGASSE											
Pol % bagasse	1.02	1.45	1.30	1.45	1.57	1.34	1.25	1.24	1.24	0.91	1.22
Moisture % bagasse	50.78	50.17	50.38	51.80	52.34	51.26	48.90	48.44	48.66	49.76	50.66
Fibre % bagasse	47.42	47.25	47.31	45.71	45.14	46.85	49.10	49.58	49.34	48.50	47.22
Ash % bagasse	-	-	2.09	4.11	2.57	5.79	-	-	3.69	3.32	2.53
LCV (kJ per kg bagasse) #	-	-	7377	6709	6878	6532	-	-	7450	7298	7116
MIXED JUICE											
Mixed juice(adj.) % cane	111.00	113.86	112.90	106.90	109.54	123.38	113.20	114.31	113.78	141.42	117.74
Brix % mixed juice(adj.)	13.43	12.82	13.02	14.43	14.00	12.61	13.65	13.52	13.58	11.34	13.15
Sucrose purity (MJ adj.)	86.78	87.14	87.02	88.10	87.44	88.04	87.35	87.42	87.38	87.29	86.91
Apparent purity(MJ adj.)	86.08	86.31	86.08	87.06	86.80	87.22	86.82	86.92	86.55	86.88	85.98
Purity difference(MJ adj. - DAC)	0.40	0.63	0.55	0.22	-0.05	-0.17	0.00	0.15	0.07	-0.07	-0.07
(Glucose + fructose) % sucrose(MJ unadj)	-	-	4.50	4.05	3.92	3.98	-	-	4.04	3.47	4.40
Suspended solids % MJ(unadj.)	0.18	0.57	0.44	0.77	0.15	0.16	0.18	0.20	0.19	0.19	0.35
Pol/sucrose ratio (MJ unadj.)	0.9920	0.9904	0.9909	0.9894	0.9927	0.9912	0.9940	0.9942	0.9941	0.9975	0.9914
CLARIFIED JUICE											
Brix % clarified juice	-	-	12.65	14.63	14.01	12.74	-	-	12.99	11.30	13.12
Apparent purity (%)	-	-	87.39	87.73	86.52	86.90	-	-	86.19	86.48	86.15
Purity difference(CJ - MJ)	-	-	1.31	0.67	-0.28	-0.31	-	-	-0.35	-0.40	-0.26
Average pH	-	-	7.1	7.1	6.9	7.2	-	-	7.0	7.0	7.0
CLARIFIER MUD											
Tons clarifier mud	-	-	-	-	-	-	-	-	-	76117	627786
Pol % clarifier mud	-	-	-	-	-	-	-	-	-	7.90	11.01
Brix % clarifier mud	-	-	-	-	-	-	-	-	-	9.27	13.19
Insoluble solids % clarifier mud	-	-	-	-	-	-	-	-	-	3.65	5.99
FILTER CAKE											
Pol % filter cake	-	-	1.32	2.97	4.03	1.80	-	-	1.87	-	2.19
Moisture % filter cake	-	-	70.00	75.00	71.12	73.51	-	-	65.79	-	69.61
Filter cake % cane	-	-	3.75	6.73	0.98	1.10	-	-	1.20	-	1.61
Filter wash index	-	-	102.9	98.7	100.0	99.0	-	-	104.5	-	100.2
Purity difference(CJ - filtrate)	-	-	2.08	0.59	5.09	0.92	-	-	1.87	-	2.91
SYRUP											
Brix % syrup	-	-	65.55	71.95	65.38	64.60	-	-	65.62	65.54	66.26
Apparent purity (%)	-	-	87.34	87.21	86.90	86.95	-	-	86.64	86.80	85.68
Purity difference(Syrup - MJ)	-	-	1.26	0.15	0.10	-0.27	-	-	0.09	-0.08	-0.30
Average pH	-	-	6.0	6.0	6.2	6.2	-	-	5.9	5.7	6.1
FINAL MOLLASSES											
Refractometer brix	-	-	84.09	79.35	83.50	82.54	-	-	81.90	82.84	83.53
Pol/refractometer brix purity (%)	-	-	38.15	38.78	37.60	37.16	-	-	37.57	38.17	36.41
Sucrose/refractometer brix purity (%)	-	-	39.60	41.41	40.36	39.53	-	-	39.26	38.97	38.53
Conductivity ash %	-	-	13.91	11.54	13.18	12.47	-	-	12.28	13.81	13.71
(Glucose + fructose)/ash ratio	-	-	0.62	0.83	0.53	0.70	-	-	0.73	0.56	0.74
Fructose %	-	-	5.12	5.72	5.00	5.44	-	-	5.23	4.60	5.83
Glucose %	-	-	3.50	3.91	1.95	3.32	-	-	3.73	3.19	4.38
TPD based on molasses (made)	-	-	5.4	8.4	5.5	6.6	-	-	6.4	5.7	5.6
TPD based on mixed juice	-	-	8.3	9.9	9.2	9.2	-	-	8.5	7.4	7.3
Final molasses @ 85° brix % cane	-	-	3.83	4.04	3.71	3.87	-	-	3.97	3.89	4.02
Pol/sucrose ratio	-	-	0.9635	0.9366	0.9318	0.9401	-	-	0.9569	0.9796	0.9449

* Cane diffuser

Lower Calorific Value (LCV) = 18260.00 - 31.14 Bx % bagasse - 207.01 moisture % bagasse - 182.60 ash % bagasse

TABLE B2
ANALYSIS OF BAGASSE, JUICES, FILTER CAKE, SYRUP AND FINAL MOLASSES
SWAZILAND, MALAWI, ZIMBABWE, ZAMBIA, TANZANIA AND MOZAMBIQUE FACTORIES
(SEASON 2013 - 2014)

SYMBOLS OF FACTORIES	MH-A *	MH-B	MH-AVE	UB-A *	UB-B	UB-AVE	SM	NH *	DW *	HV-A *	HV-B *	HV-AVE
FINAL BAGASSE												
Pol % bagasse	1.62	1.90	1.78	1.71	1.37	1.50	1.99	2.34	1.57	1.37	1.39	1.38
Moisture % bagasse	52.26	53.40	52.93	52.40	53.31	52.94	54.08	51.66	47.66	50.91	50.35	50.64
Fibre % bagasse	45.21	43.79	44.37	44.68	44.14	44.36	42.86	44.94	49.07	46.77	47.29	47.02
Ash % bagasse	-	-	-	-	-	4.34	4.15	-	-	-	-	-
LCV (kJ per kg bagasse) #	-	-	-	-	-	6424	6212	-	-	-	-	-
MIXED JUICE												
Mixed juice % cane	117.26	119.80	118.68	86.48	137.81	116.48	108.56	104.43	122.11	122.30	122.91	122.59
Brix % mixed juice	13.26	13.23	13.24	13.26	13.19	13.21	14.06	14.45	13.83	13.13	13.28	13.20
Apparent purity (%)	85.80	86.03	85.93	85.37	84.60	84.84	86.26	85.97	86.99	87.19	87.49	87.33
Purity difference(MJ - DAC)	-1.26	-0.94	-1.08	0.24	0.59	0.36	0.69	-0.63	0.09	0.27	0.51	0.39
Suspended solids % mixed juice	0.67	0.22	0.42	0.65	0.64	0.64	1.11	0.40	0.07	0.15	0.15	0.15
CLARIFIED JUICE												
Brix % clarified juice	-	-	12.81	-	-	13.50	14.11	14.38	13.41	-	-	13.17
Apparent purity (%)	-	-	85.67	-	-	84.46	85.36	87.07	87.87	-	-	87.02
Purity difference(CJ - MJ)	-	-	-0.26	-	-	-0.38	-0.90	1.11	0.89	-	-	-0.31
Average pH	-	-	7.1	-	-	7.1	6.9	6.9	7.3	-	-	6.9
CLARIFIER MUD												
Tons clarifier mud	-	-	-	-	-	-	-	-	-	56442	48681	105123
Pol % clarifier mud	-	-	-	-	-	-	-	-	-	11.47	11.83	11.64
Brix % clarifier mud	-	-	-	-	-	-	-	-	-	13.45	13.87	13.64
Insoluble solids % clarifier mud	-	-	-	-	-	-	-	-	-	3.37	3.46	3.41
FILTER CAKE												
Pol % filter cake	-	-	0.87	-	-	2.06	1.33	1.18	0.76	-	-	-
Moisture % filter cake	-	-	73.07	-	-	-	78.69	-	70.60	-	-	-
Filter cake % cane	-	-	2.60	-	-	0.86	6.01	1.64	1.00	-	-	-
Filter wash index	-	-	103.4	-	-	97.9	99.6	100.5	103.1	-	-	-
Purity difference(CJ - filtrate)	-	-	1.95	-	-	1.84	2.17	6.37	2.95	-	-	-
SYRUP												
Brix % syrup	-	-	65.22	-	-	67.10	67.45	57.12	66.86	-	-	66.84
Apparent purity (%)	-	-	86.87	-	-	83.92	85.60	86.41	87.75	-	-	87.25
Purity difference(Syrup - MJ)	-	-	0.94	-	-	-0.92	-0.66	0.45	0.77	-	-	-0.08
Average pH	-	-	6.0	-	-	5.7	6.1	6.1	6.1	-	-	6.3
FINAL MOLASSES												
Refractometer brix	-	-	83.54	-	-	86.81	80.57	80.08	85.05	-	-	85.17
Pol/refractometer brix purity	-	-	31.94	-	-	33.73	33.33	40.24	36.33	-	-	36.13
Purity difference(true-target)	-	-	-	-	-	-	-	-	-	-	-	-
Reducing sugars % \$	-	-	11.69	-	-	-	17.41	-	-	-	-	15.26
Sulphated ash %	-	-	13.14	-	-	-	13.40	-	-	-	-	15.26
Reducing sugars/ash ratio	-	-	0.89	-	-	-	1.30	-	-	-	-	1.00
Final molasses at 85° brix % cane	-	-	3.94	-	-	4.63	3.71	3.99	3.67	-	-	3.60

* Cane diffuser

Lower Calorific Value (LCV) = 18260.00 - 31.14 Bx % bagasse - 207.01 moisture % bagasse - 182.60 ash % bagasse

\$ Lane & Eynon

TABLE B2 (continued)
ANALYSIS OF BAGASSE, JUICES, FILTER CAKE, SYRUP AND FINAL MOLASSES
SWAZILAND, MALAWI, ZIMBABWE, ZAMBIA, TANZANIA AND MOZAMBIQUE FACTORIES
(SEASON 2013 - 2014)

SYMBOLS OF FACTORIES	TR-A *	TR-B	TR-AVE	NK-A	NK-B	NK-AVE	MW	RU	MA	MB	XN
FINAL BAGASSE											
Pol % bagasse	1.45	1.84	1.57	1.82	2.08	1.94	2.54	2.64	1.89	1.77	1.23
Moisture % bagasse	51.83	52.76	52.12	50.34	50.88	50.59	49.34	49.14	47.84	48.88	51.59
Fibre % bagasse	45.22	43.58	44.72	46.57	45.71	46.18	46.38	46.72	48.48	45.81	45.97
Ash % bagasse	-	-	-	-	-	-	5.55	5.22	2.50	3.46	3.75
LCV (kJ per kg bagasse) #	-	-	-	-	-	-	6899	7006	7785	7345	6818
MIXED JUICE											
Mixed juice % cane	118.16	116.04	117.53	114.44	110.98	112.78	92.19	103.30	108.69	101.26	121.32
Brix % mixed juice	13.65	13.81	13.70	14.10	14.53	14.31	14.63	13.07	14.17	15.14	13.04
Apparent purity (%)	86.88	86.80	86.86	86.65	86.90	86.77	84.69	84.26	86.79	86.06	87.18
Purity difference(MJ - DAC)	0.85	0.65	0.79	0.83	1.09	0.96	1.52	0.71	0.06	0.35	0.29
Suspended solids % mixed juice	0.23	0.32	0.25	0.23	0.77	0.48	1.38	1.04	0.73	0.75	0.17
CLARIFIED JUICE											
Brix % clarified juice	-	-	13.81	-	-	14.46	14.90	13.37	14.13	15.08	12.70
Apparent purity (%)	-	-	87.04	-	-	86.80	85.63	84.59	86.89	86.07	86.73
Purity difference(CJ - MJ)	-	-	0.18	-	-	0.03	0.94	0.33	0.10	0.01	-0.45
Average pH	-	-	7.0	-	-	6.9	7.7	7.0	7.0	7.0	7.4
CLARIFIER MUD											
Tons clarifier mud	4380	-	4380	124560	-	124560	-	-	-	-	126294
Pol % clarifier mud	11.42	-	11.42	10.20	-	10.20	-	-	-	-	10.93
Brix % clarifier mud	13.13	-	13.13	11.94	-	11.94	-	-	-	-	12.82
Insoluble solids % clarifier mud	2.17	-	2.17	11.64	-	11.64	-	-	-	-	2.67
FILTER CAKE											
Pol % filter cake	-	-	1.59	-	-	2.09	1.50	1.24	1.42	0.60	-
Moisture % filter cake	-	-	-	-	-	-	-	-	80.11	70.35	-
Filter cake % cane	-	-	2.52	-	-	2.45	4.13	3.74	4.06	3.97	-
Filter wash index	-	-	99.2	-	-	98.9	98.2	97.8	100.3	100.4	-
Purity difference(CJ - filtrate)	-	-	2.09	-	-	1.25	2.88	1.97	0.97	0.06	-
SYRUP											
Brix % syrup	-	-	65.68	-	-	65.66	63.22	64.60	61.37	67.98	62.90
Apparent purity (%)	-	-	86.73	-	-	86.41	84.17	83.12	86.53	86.25	86.81
Purity difference(Syrup - MJ)	-	-	-0.13	-	-	-0.36	-0.52	-1.14	-0.26	0.19	-0.37
Average pH	-	-	6.2	-	-	6.1	6.4	6.6	6.0	6.1	6.3
FINAL MOLASSES											
Refractometer brix	-	-	86.34	-	-	86.99	80.22	82.93	83.17	84.18	85.00
Pol/refractometer brix purity	-	-	34.55	-	-	36.61	36.52	36.97	35.44	38.53	32.79
Purity difference(true-target)	-	-	-	-	-	-	-	-	-	-	-
Reducing sugars % \$	-	-	-	-	-	-	-	-	-	-	-
Sulphated ash %	-	-	-	-	-	-	-	-	-	-	-
Reducing sugars/ash ratio	-	-	-	-	-	-	-	-	-	-	-
Final molasses at 85° brix % cane	-	-	3.65	-	-	3.97	3.68	4.03	3.52	3.73	3.77

* Cane diffuser

Lower Calorific Value (LCV) = 18260.00 - 31.14 Bx % bagasse - 207.01 moisture % bagasse - 182.60 ash % bagasse

\$ Lane & Eynon

TABLE C1
MASSECUITES,EXHAUSTIONS,CLARIFYING AGENTS AND ADDITIONAL FUELS.
SOUTH AFRICAN FACTORIES (SEASON 2013-2014)

SYMBOLS OF FACTORIES	ML	KM	PG	UF	FX	AK	DL	MS	GH	NB	UC	ES	SZ	UK	INDUSTRY
A - MASSECUITE															
m ³ per ton brix in mixed juice(adj.)	1.23	-	1.21	0.92	1.07	1.02	0.96	1.07	1.09	1.22	1.14	0.99	1.13	1.06	0.96
Refractometer brix of massecuite	92.83	91.80	92.21	92.49	93.12	92.70	93.02	92.88	92.58	92.37	92.10	92.77	92.58	92.61	92.66
Purity of massecuite (%)	87.56	85.58	86.40	84.61	85.61	84.51	86.23	83.88	87.43	87.29	87.20	86.96	87.00	86.94	86.41
Purity of A - molasses (%)	74.81	68.03	73.65	69.99	67.50	65.32	67.89	68.11	72.07	72.91	71.16	70.03	70.42	68.50	70.47
Purity drop (%)	12.75	17.55	12.75	14.62	18.11	19.19	18.34	15.77	15.36	14.38	16.04	16.93	16.57	18.44	15.93
Exhaustion (%)	57.81	64.14	56.00	57.58	65.09	65.48	66.24	58.95	62.90	60.80	63.78	64.96	64.41	67.34	62.45
Pty of A-massecuite - purity syrup (%)	2.38	-0.07	1.16	0.01	1.55	-0.35	0.71	0.84	0.09	0.08	0.30	0.01	0.36	0.14	0.73
Pty of remelt (%)	88.13	81.68	86.06	84.31	87.66	83.67	85.69	85.07	84.95	85.75	86.73	86.71	86.92	85.41	85.56
B - MASSECUITE															
m ³ per ton brix in mixed juice(adj.)	0.66	-	0.44	0.37	0.40	0.36	0.31	0.26	0.44	0.52	0.40	0.35	0.41	0.43	0.37
Refractometer brix of massecuite	93.65	93.80	94.08	95.35	95.01	94.66	93.88	93.58	94.65	94.61	94.38	95.44	94.68	94.46	94.49
Purity of massecuite (%)	74.09	69.62	73.18	69.48	69.48	66.37	69.11	68.75	72.17	73.03	71.16	70.59	71.66	70.06	71.26
Purity of B - molasses (%)	54.36	47.02	53.10	48.69	44.59	47.78	46.83	47.86	48.77	50.18	48.75	46.80	49.52	50.20	49.52
Purity drop (%)	19.73	22.60	20.08	20.79	24.89	18.59	22.28	20.89	23.40	22.85	22.41	23.79	22.14	19.86	21.74
Exhaustion (%)	58.35	61.27	58.51	58.32	64.65	53.64	60.63	58.28	63.30	62.81	61.45	63.35	61.21	56.92	60.44
C - MASSECUITE															
m ³ per ton brix in mixed juice(adj.)	0.10	-	0.40	0.25	0.25	0.27	0.28	0.33	0.29	0.28	0.20	0.22	0.24	0.26	0.22
Refractometer brix of massecuite	96.62	96.65	96.93	96.96	96.61	96.88	96.43	95.86	97.01	96.72	97.85	97.36	96.61	97.31	96.80
Purity of massecuite (%)	57.59	52.97	56.30	55.68	54.90	55.03	53.70	55.84	54.38	57.79	53.11	52.90	55.85	55.83	55.41
Purity of C - molasses (%)	36.71	33.91	37.75	36.58	34.21	36.16	32.93	35.97	38.15	38.78	37.60	37.16	37.57	38.17	36.41
Crystal content (%)	31.88	27.87	28.89	29.20	30.38	28.63	29.86	29.75	25.45	30.04	24.32	24.39	28.30	27.79	28.92
Exhaustion (%)	57.29	54.44	52.94	54.09	57.28	53.71	57.66	55.58	48.24	53.74	46.79	47.36	52.44	51.16	53.92
TOTAL VOLUME ALL RAW MASSECUTES															
m ³ per ton brix in mixed juice(adj.)	1.98	-	2.06	1.54	1.72	1.65	1.54	1.66	1.82	2.02	1.74	1.55	1.78	1.75	1.55
WHITE SUGAR MASSECUTES															
Massecuite (kg sugar per m ³)	166	-	1966	-	-	-	-	-	583	367	-	-	-	-	460
Tons limestone per 1000 tons white sugar	-	-	67.65	-	-	-	-	-	29.55	-	-	-	-	-	23.04
Tons coke per 1000 tons white sugar	-	-	6.73	-	-	-	-	-	-	-	-	-	-	-	1.12
Tons phosphoric acid per 1000 tons white sugar	-	-	-	-	-	-	-	-	-	1.26	-	-	-	-	0.33
Tons sulphur per 1000 tons white sugar	0.47	-	0.30	-	-	-	-	-	0.21	0.18	-	-	-	-	0.23
Phosphoric acid ppm mixed juice(unadj.)	-	-	-	-	-	-	-	-	-	-	40.76	41.04	1.41	1.85	4.38
Flocculant ppm mixed juice(unadj.)	3.62	4.85	4.10	11.03	2.03	3.90	0.92	3.24	3.09	8.67	2.68	5.68	5.61	1.44	4.43
Tons lime per 1000 tons cane	7.43	0.63	-	-	0.65	0.65	-	1.29	-	0.53	0.44	0.53	0.50	0.51	1.04
Enzyme (ppm sugar)	-	-	-	-	-	-	49.43	3.15	1.50	-	-	0.92	23.59	7.18	5.74
ADDITIONAL FUELS PER 1000 TONS CANE															
Tons of coal	30.27	1.38	13.76	8.07	8.04	8.21	1.02	16.08	1.93	8.13	4.76	0.06	14.89	0.32	8.79
Tons of wood	-	-	0.08	1.76	0.52	-	0.23	0.04	-	-	0.41	0.38	-	-	0.21
Converted into bagasse *	121.07	5.54	55.13	34.39	32.78	32.82	4.37	64.35	7.72	32.54	19.55	0.71	59.57	1.28	35.42

* 1 ton coal is equivalent to 4 tons of bagasse

1 ton firewood is equivalent to 1.2 tons of bagasse

1 ton sulphur dioxide is equivalent to 0.5 tons of sulphur

TABLE C2
MASSECUITES,EXHAUSTIONS,CLARIFYING AGENTS AND ADDITIONAL FUELS
SWAZILAND, MALAWI , ZIMBABWE ,ZAMBIA ,TANZANIA AND MOZAMBIQUE FACTORIES (SEASON 2013 - 2014)

SYMBOLS OF FACTORIES	MH	UB	SM	NH	DW	HV	TR	NK	MW	RU	MA	MB	XN
A - MASSECUITE													
m ³ per ton brix in mixed juice (adj)	1.12	0.93	1.02	1.16	0.92	1.07	-	1.02	1.06	0.90	1.03	0.64	-
Refractometer brix of massecuite	93.45	93.02	92.55	94.52	90.62	92.48	92.59	93.04	92.30	92.46	92.82	92.51	91.90
Purity of massecuite (%)	88.74	85.74	85.78	88.66	88.17	87.68	86.26	87.78	85.52	83.27	86.38	86.13	87.19
Purity of A - molasses (%)	69.81	67.28	71.21	73.72	74.40	72.12	70.36	71.64	70.33	68.38	70.07	68.03	67.44
Purity drop (%)	18.93	18.45	14.57	14.94	13.77	15.56	15.90	16.13	15.19	14.89	16.31	18.10	19.75
Exhaustion (%)	70.66	65.79	59.00	64.12	61.02	63.65	62.19	64.82	59.86	56.56	63.09	65.74	69.57
Purity of A-massecuite - pty syrup (%)	1.87	1.82	0.18	2.25	0.42	0.43	-0.47	1.37	1.35	0.15	-0.15	-0.12	0.38
Purity of remelt (%)	84.89	86.29	85.47	85.30	88.85	87.46	83.87	85.67	83.61	85.57	87.55	86.10	85.39
B - MASSECUITE													
m ³ per ton brix in mixed juice (adj)	0.43	0.42	0.45	0.35	0.46	0.45	-	0.46	0.53	0.41	0.36	0.23	-
Refractometer brix of massecuite	94.55	94.26	94.23	94.34	93.39	93.20	93.82	94.40	94.82	94.20	93.46	94.25	93.24
Purity of massecuite (%)	70.35	69.25	72.80	71.89	72.50	72.47	70.74	73.01	71.44	69.49	70.19	67.86	68.29
Purity of B - molasses (%)	48.20	45.93	50.28	53.80	52.10	53.29	50.75	52.83	51.64	49.18	45.64	48.10	46.97
Purity drop (%)	22.15	23.32	22.52	18.09	20.41	19.18	19.99	20.18	19.81	20.30	24.56	19.76	21.32
Exhaustion (%)	60.78	62.27	62.22	54.48	58.76	56.66	57.38	58.59	57.32	57.49	64.35	56.11	58.87
C - MASSECUITE													
m ³ per ton brix in mixed juice (adj)	0.22	0.29	0.22	0.21	0.24	-	-	0.27	0.26	0.25	0.21	0.70	-
Refractometer brix of massecuite	97.97	96.56	97.86	97.02	96.04	96.02	96.41	96.73	96.73	96.93	96.95	84.18	94.79
Purity of massecuite (%)	50.07	53.29	53.54	57.25	56.95	54.59	55.26	57.20	52.99	54.41	53.13	55.27	53.46
Purity of C - molasses (%)	31.94	33.73	33.33	40.24	36.33	36.13	34.55	36.61	36.52	36.97	35.44	38.53	32.79
Crystal content (%)	26.10	28.50	29.67	27.62	31.11	27.75	30.51	31.43	25.10	26.82	26.57	22.93	29.15
Exhaustion (%)	53.21	55.38	56.63	49.72	56.87	52.95	57.26	56.80	48.96	50.84	51.59	49.28	57.53
TOTAL VOLUME ALL RAW MASSECUITES													
m ³ per ton brix in mixed juice	1.78	1.64	1.70	1.71	1.62	-	-	1.75	1.85	1.56	1.60	1.57	-
WHITE SUGAR MASSECUITES													
Massecuite (kg sugar per m ³)	638	525	-	470	456	-	-	85	-	-	-	-	-
Tons phosphoric acid per 1000 tons white sugar	-	-	-	0.70	-	-	-	0.84	-	-	-	-	-
Tons sulphur per 1000 tons white sugar	0.06	0.17	-	-	0.16	-	-	-	-	-	-	-	-
Phosphoric acid ppm mixed juice(unadj.)	-	-	-	-	-	-	-	0.1	-	-	-	-	-
Flocculant ppm mixed juice(unadj.)	6.9	-	3.3	-	2.0	4.1	2.9	2.5	5.0	3.2	3.9	5.1	5.9
Tons lime per 1000 tons cane	0.4	0.7	0.6	0.7	0.7	0.5	0.4	0.4	0.4	0.3	0.4	0.5	0.6
Enzyme (ppm sugar)	-	-	-	-	-	-	-	-	-	-	-	-	-
ADDITIONAL FUELS PER 1000 TONS CANE													
Tons of coal	6.42	3.03	4.35	-	-	2.91	4.69	-	-	-	0.78	1.70	1.32
Tons of wood	40.6	31.6	17.7	0.13	0.03	0.04	-	-	0.97	0.06	-	0.21	0.08
Converted into bagasse *	74.42	49.98	38.68	0.16	0.04	11.70	18.77	-	1.17	0.07	3.14	7.05	5.39

* 1 ton coal is equivalent to 4 tons of bagasse

1 ton firewood is equivalent to 1.2 tons of bagasse

1 ton sulphur dioxide is equivalent to 0.5 tons of sulphur

TABLE D
COMPARATIVE MANUFACTURING DATA OF RECENT YEARS
(SOUTH AFRICAN FACTORIES)

	2013/2014	2012/2013	2011/2012	2010/2011	2009/2010
Throughput and time efficiency #					
Tons cane per hour	285.76	269.99	292.62	276.22	293.55
Tons fibre in bagasse per hour	42.33	40.91	43.92	40.02	42.88
Overall time efficiency	79.31	75.70	74.05	76.87	76.88
Cane					
Sucrose % cane	13.84	13.46	12.94	14.14	13.68
Fibre % cane	15.04	15.41	15.27	14.71	14.87
Mixed juice					
Sucrose purity(MJ adj.)	86.91	86.35	85.90	85.89	86.14
(Glucose + Fructose)/ash in M.J.(unadj.)	0.95	1.00	0.95	1.08	0.95
Milling					
Imbibition % fibre	331	333	331	352	338
Extraction (sucrose based)	97.23	97.19	97.14	97.28	97.44
Pol % bagasse	1.22	1.19	1.17	1.26	1.14
Moisture % bagasse	50.66	50.18	50.67	50.45	50.24
Bagasse % cane	31.37	31.75	31.73	30.57	30.71
LCV bagasse kJ/kg	7116	7153	7017	7227	7263
Available kJ in bag/kg brix in MJ (adj)	14419	14995	15215	13789	14415
Recoveries					
Boiling house recovery (sucrose based)	87.23	86.99	86.84	87.16	87.88
Overall recovery (sucrose based)	84.81	84.55	84.36	84.78	85.63
Tons cane per ton sugar	8.48	8.75	9.12	8.30	8.50
Filter cake					
Pol % filter cake	2.19	2.26	1.98	1.55	1.66
Filter cake % cane	1.61	1.66	1.60	1.36	1.29
Final molasses					
Brix % final molasses	83.53	83.10	83.55	84.12	84.45
Sucrose/refractometer brix purity	38.53	38.77	38.16	37.99	37.49
Final molasses @ 85° brix % cane	4.02	4.09	4.07	4.41	4.03
Average sugar polarisation	99.57	99.59	99.57	99.57	99.58
Sucrose lost % sucrose in cane					
Lost in bagasse	2.77	2.81	2.86	2.72	2.56
Lost in filter cake	0.26	0.28	0.24	0.15	0.16
Lost in final molasses	9.52	10.02	10.19	10.06	9.39
Undetermined losses	2.64	2.35	2.35	2.28	2.27
Lost in boiling house	12.42	12.64	12.78	12.49	11.81
Total losses	15.19	15.45	15.64	15.22	14.37
M³ massecuite per ton Bx in M.J.					
A - massecuite	0.96	0.96	0.94	0.93	0.93
B - massecuite	0.37	0.38	0.36	0.35	0.35
C - massecuite	0.22	0.23	0.23	0.23	0.22
Total	1.55	1.57	1.53	1.50	1.51
Exhaustion of massecuites					
A - massecuite	62.45	61.36	61.42	62.87	63.39
B - massecuite	60.44	59.53	59.66	59.65	60.24
C - massecuite	53.92	53.85	54.15	54.81	55.26
Brix of syrup	66.26	65.65	65.28	65.48	65.45

2013/14 season's throughputs, for factories with double tandems, were calculated using concurrent crushing hours.

TABLE E
AVERAGE MANUFACTURING RESULTS BY MONTHLY PERIODS
FOR SOUTH AFRICAN FACTORIES (SEASON 2013/14)

End of month period		30 MAR 2013	27 APR 2013	01 JUN 2013	29 JUN 2013	27 JUL 2013	31 AUG 2013	28 SEP 2013	02 NOV 2013	31 NOV 2013	28 DEC 2013	01 FEB 2014
Tons of sugar made and estimated	Month	40953	166506	333013	291203	302551	388945	305218	303363	191921	37440	0
	To-date	40953	207459	540472	831675	1134226	1523171	1828389	2131751	2323673	2361113	2361113
Tons cane crushed	Month	432229	1619382	2947483	2427840	2521558	3058238	2360046	2438105	1772134	455955	0
	To-date	432229	2051610	4999094	7426934	9948492	13006729	15366775	17804880	19577015	20032970	20032970
Tons cane crushed per hour (actual crushing)	Month	229.44	269.84	296.54	305.58	307.26	300.56	290.36	280.08	258.24	200.50	0.00
	To-date	229.44	260.45	280.71	288.38	292.94	294.70	294.02	292.03	288.62	285.76	285.76
Sucrose % cane	Month	12.06	12.43	13.11	13.82	13.81	14.64	15.00	14.63	13.37	11.62	0.00
	To-date	12.06	12.35	12.80	13.13	13.31	13.62	13.83	13.94	13.89	13.84	13.84
Fibre % cane	Month	14.62	15.01	14.65	14.17	14.70	14.71	15.03	15.90	16.46	17.38	0.00
	To-date	14.62	14.93	14.76	14.57	14.58	14.61	14.68	14.84	14.99	15.04	15.04
RV % cane	Month	10.78	11.16	11.87	12.62	12.63	13.45	13.74	13.35	12.04	10.29	0.00
	To-date	10.78	11.08	11.55	11.90	12.08	12.40	12.61	12.71	12.64	12.58	12.58
Tons cane per ton sugar	Month	10.55	9.73	8.85	8.34	8.33	7.86	7.73	8.04	9.23	12.18	0.00
	To-date	10.55	9.89	9.25	8.93	8.77	8.54	8.40	8.35	8.43	8.48	8.48
Extraction (sucrose based)	Month	96.62	97.09	97.36	97.43	97.39	97.36	97.39	97.16	96.72	95.64	0.00
	To-date	96.62	96.99	97.21	97.29	97.32	97.33	97.34	97.31	97.26	97.23	97.23
Imbibition % fibre	Month	333	330	339	337	329	327	331	329	326	314	0
	To-date	333	330	335	336	334	332	332	332	331	331	331
Pol % bagasse	Month	1.27	1.14	1.13	1.21	1.19	1.27	1.25	1.26	1.27	1.38	0.00
	To-date	1.27	1.17	1.15	1.17	1.17	1.20	1.20	1.21	1.22	1.22	1.22
Moisture % bagasse	Month	52.98	51.28	50.74	50.47	50.25	50.43	50.38	50.52	51.01	51.16	0.00
	To-date	52.98	51.65	51.12	50.91	50.75	50.67	50.63	50.61	50.65	50.66	50.66
Boiling house recovery (sucrose based)	Month	81.04	84.81	88.16	88.69	88.81	88.81	88.17	87.12	83.42	73.62	0.00
	To-date	81.04	84.04	86.53	87.28	87.68	87.97	88.00	87.87	87.49	87.23	87.23
Overall recovery (sucrose based)	Month	78.30	82.34	85.83	86.41	86.50	86.46	85.87	84.65	80.68	70.41	0.00
	To-date	78.30	81.51	84.12	84.91	85.33	85.61	85.66	85.51	85.09	84.81	84.81
Mixed juice sucrose purity	Month	84.25	85.05	86.18	86.98	87.43	88.07	87.70	87.33	86.06	84.66	0.00
	To-date	84.25	84.89	85.66	86.11	86.46	86.86	87.00	87.04	86.96	86.91	86.91
Pol/sucrose ratio in mixed juice	Month	0.9798	0.9836	0.9876	0.9902	0.9932	0.9935	0.9930	0.9950	0.9941	0.9917	0.0000
	To-date	0.9798	0.9829	0.9857	0.9873	0.9888	0.9900	0.9905	0.9912	0.9914	0.9914	0.9914
Sucrose/refractometer brix purity in final molasses	Month	39.86	36.98	36.48	36.69	37.71	38.06	38.32	39.24	42.59	51.14	0.00
	To-date	39.86	37.63	36.96	36.87	37.07	37.30	37.47	37.72	38.22	38.53	38.53
Sucrose lost in final molasses % sucrose in cane	Month	12.71	10.47	9.29	8.67	8.63	8.40	8.92	9.63	12.15	16.10	0.00
	To-date	12.71	10.93	10.00	9.54	9.30	9.07	9.05	9.13	9.39	9.52	9.52
Undetermined lost sucrose % sucrose in cane	Month	5.11	4.01	2.04	2.13	2.05	2.28	2.37	2.57	3.50	8.75	0.00
	To-date	5.11	4.24	2.85	2.60	2.46	2.41	2.41	2.43	2.52	2.64	2.64
Pol/sucrose ratio FM	Month	0.9054	0.9403	0.9127	0.9277	0.9380	0.9588	0.9582	0.9639	0.9612	0.9643	0.0000
	To-date	0.9054	0.9320	0.9210	0.9231	0.9267	0.9342	0.9382	0.9421	0.9442	0.9449	0.9449

TABLE F
CANE VARIETIES AND RAINFALL
(SEASON 2013 - 2014)
PERCENTAGE BY MASS

Factories	N 12	N 14	N 16	N 17	N 19	N 21	N 22	N 23	N 25	N 26	N 27	N 29	N 30	N 31	N 32	N 35	N 36	N 39	N 41	N 43	N 46	N 47	N 48	NCo 376	MIXED VARIETY	UNKNOWN AND	BURNT	* RAINFALL
ML	-	8.1	-	-	12.8	-	0.8	9.1	27.7	0.6	-	-	0.5	-	3.6	-	22.1	-	1.8	-	5.6	-	-	-	3.1	4.3	99.8	564
KM	-	13.7	-	-	20.0	-	0.5	9.6	19.0	0.1	-	-	0.3	-	5.0	-	16.3	-	3.6	0.1	2.9	-	-	-	6.5	2.3	99.3	368
PG	-	5.7	-	-	2.3	-	0.3	7.7	13.2	2.9	-	-	0.1	-	0.1	-	18.5	-	25.8	3.5	5.1	-	-	-	8.8	6.1	98.3	377
UF	0.1	0.4	-	2.0	31.9	0.1	0.4	6.7	8.1	0.9	8.5	1.3	-	-	0.1	-	5.2	0.5	8.7	0.7	0.1	-	-	2.5	4.6	17.1	97.8	435
FX	1.7	0.3	0.1	2.4	4.3	0.3	-	2.3	7.7	0.1	14.3	1.0	-	-	-	2.0	9.4	3.5	12.5	0.7	0.1	-	-	3.1	3.3	30.8	81.1	437
AK	14.4	0.1	2.5	1.0	1.0	1.1	-	-	0.3	-	14.9	1.1	-	4.0	-	1.2	1.6	16.4	4.1	3.0	-	0.1	0.2	1.3	6.8	25.0	97.1	891
DL	9.7	-	2.3	0.7	0.4	0.4	-	-	-	-	13.7	1.1	-	11.8	-	-	0.3	19.1	0.6	2.9	-	0.1	-	3.2	0.2	33.6	92.4	509
MS	9.2	-	1.4	1.4	0.2	0.4	-	-	-	-	6.8	1.2	-	18.4	-	2.3	0.2	19.1	3.2	-	-	0.8	0.1	5.4	6.4	23.5	76.6	652
GH	7.3	0.1	5.2	1.0	1.1	0.4	-	-	-	0.5	8.3	2.2	-	6.5	-	1.0	0.2	14.1	0.7	-	0.1	0.4	-	5.8	9.4	36.0	83.7	675
NB	58.4	-	5.0	-	-	0.6	-	-	0.1	-	0.1	0.1	-	11.0	-	4.3	1.5	4.8	2.0	-	-	0.2	1.8	-	0.3	10.1	96.6	464
UC	43.2	-	6.7	-	-	-	-	0.1	-	-	-	-	-	14.5	-	1.9	3.9	11.5	1.7	-	-	-	3.3	-	-	13.1	99.6	486
ES	56.0	-	2.3	0.1	-	-	-	-	-	-	-	-	0.1	17.7	-	3.2	1.8	2.1	1.8	-	-	0.1	1.2	-	0.7	12.8	92.0	607
SZ	27.3	0.1	2.4	-	-	0.5	-	-	-	-	2.7	0.8	-	0.7	-	0.1	0.1	14.5	1.1	-	-	0.3	-	1.0	9.7	38.9	75.7	741
UK	24.9	0.1	0.4	-	-	0.6	-	-	-	-	0.8	0.5	-	3.5	-	0.1	0.3	24.4	0.6	-	-	-	0.1	1.5	2.4	40.0	93.5	859
Average SA Factories	16.2	2.8	1.8	0.6	6.0	0.3	0.2	3.0	6.7	0.4	5.0	0.6	0.1	5.1	0.9	1.1	6.8	8.1	5.0	0.4	1.2	0.1	0.4	1.6	4.9	20.8	91.0	
MH	-	0.7	-	-	8.2	-	-	24.0	48.0	0.5	-	-	-	-	0.2	-	2.8	-	0.6	-	2.1	-	-	9.2	1.9	1.8	-	264
UB	-	1.6	-	-	8.8	-	-	25.1	31.8	0.1	-	-	-	-	-	-	1.3	-	-	-	1.9	-	-	4.5	24.8	-	-	300
SM	-	0.6	-	-	1.7	-	-	24.8	48.1	0.6	-	-	-	-	0.2	-	3.5	-	0.9	-	6.6	-	-	8.8	3.6	0.5	-	357
NH	-	3.9	-	-	-	-	-	-	5.1	-	-	-	-	-	34.0	-	2.1	-	-	-	-	-	-	-	7.5	47.4	-	213
DW	-	11.2	-	-	2.2	-	-	4.3	5.2	-	-	-	-	-	1.7	-	2.0	-	-	-	-	-	-	1.8	8.9	62.7	-	238
HV	-	79.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.7	0.6	12.0	-	88
TR	-	85.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6	13.3	-	126
NK	-	0.1	-	-	8.8	-	0.1	11.7	54.9	-	-	-	-	-	-	-	-	-	16.6	-	0.8	-	-	-	6.2	0.8	100.0	106
MW	0.8	-	-	-	2.2	-	-	0.2	16.3	-	0.1	-	0.1	-	-	-	1.1	0.1	12.1	-	-	-	-	47.0	8.5	11.5	-	1166
RU	0.8	-	-	-	2.2	-	-	0.2	16.3	-	0.1	-	0.1	-	-	-	1.1	0.1	12.1	-	-	-	-	47.0	8.5	11.5	-	1374
MA	-	-	-	0.2	12.0	-	-	58.4	10.7	-	0.0	0.2	-	-	0.8	-	-	-	5.4	-	0.5	-	-	2.4	5.6	3.8	100.0	78
MB	-	6.7	-	-	24.7	11.0	-	6.7	21.8	-	24.1	-	-	-	0.8	-	-	-	-	-	-	-	-	1.2	3.0	-	-	168
XN	-	0.5	-	-	0.2	-	-	27.9	51.1	0.8	5.4	-	-	5.4	-	-	2.0	-	-	-	-	-	-	2.2	9.4	-	100.0	184

* Rainfall during the crushing season

TABLE G
TRANSPORT SUMMARY - SOUTH AFRICAN FACTORIES
(SEASON 2013 - 2014)
PERCENT OF CANE TRANSPORTED

FACTORIES	ML	KM	PG	UF	FX	AK	DL	MS	GH	NB	UC	ES	SZ	UK	AVERAGE
SOUTH AFRICAN RAILWAYS	-	-	-	-	16.6	-	-	-	-	-	-	-	-	-	1.7
TRAMS	-	-	-	69.0	-	-	0.5	-	-	-	-	-	-	-	3.9
TANKERS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARTICULATED TRUCK DRIVEN VEHICLES															
- Interlink	-	-	12.0	22.5	66.0	20.6	38.7	71.0	58.5	25.8	33.1	29.3	98.0	91.3	40.0
- Tri-Axle	-	-	14.9	-	0.5	-	10.7	2.4	11.6	1.5	2.0	9.8	-	-	3.5
- Hilo	3.1	-	3.8	6.4	0.6	-	6.4	-	0.1	2.0	-	-	2.0	6.5	1.9
RIGID CHASSIS VEHICLES															
- Truck	90.9	74.7	5.1	-	-	43.8	7.7	15.2	16.3	41.9	17.6	36.6	-	1.0	28.2
- Lorry	4.7	-	2.2	-	-	-	0.1	-	-	2.5	10.5	-	0.1	-	1.1
TRACTOR DRIVEN VEHICLES															
- Hilo	-	-	9.5	-	3.2	4.8	1.9	0.6	13.1	21.2	8.7	20.9	-	-	5.7
- Rig	1.3	22.4	0.3	-	1.5	17.0	16.1	0.9	0.3	2.8	2.2	-	-	0.1	5.2
- Interlink	-	2.8	52.2	2.2	11.7	13.8	18.0	9.9	0.2	2.4	25.9	3.4	-	1.0	8.8

COMPARATIVE DATA OF REPORTING S.A. FACTORIES FROM 1925 ONWARDS
TABLE H

PERIOD (SEASON)	Percent Cane		Cane / sugar Ratio		Extraction	Pol % fibre in Bagasse	Percent Bagasse		Imbibition Percent		Mixed Juice		Final Molasses Suc/brix Purity Chem.suc.	Boiling House Recovery Pol based	Overall Recovery Pol based
	Pol	Fibre	Tel Quel	96° Pol Sugar			Pol based	Pol	Moisture	Cane	Fibre	Purity Pol based			
	Sucrose based				Sucrose based					Sucrose based	(F + G) / suc.ratio	Sucrose based	Sucrose based	Sucrose based	
Average 1925 - 1934	13.19	15.78	9.86	9.64	89.83	8.86	3.88	50.57	27.6	175	85.09	3.65	45.3	83.67	75.12
Average 1935 - 1944	13.53	15.30	8.96	8.73	92.05	7.05	3.11	51.60	32.6	213	86.01	3.22	43.3	88.36	81.34
Average 1945 - 1954	13.79	16.06	8.60	8.36	93.04	5.95	2.69	51.32	33.8	210	85.95	3.29	40.7	89.46	83.23
Average 1955 - 1964	13.53	15.49	8.75	8.49	93.43	5.73	2.51	52.78	36.3	235	85.24	3.67	39.6	89.58	83.69
Average 1965 - 1974	13.16	15.22	8.95	8.68	95.00	4.35	1.91	53.15	41.7	274	84.80	4.15	39.3	88.49	84.06
Average 1975 - 1980	12.80	15.61	9.09	8.77	96.20	3.26	1.45	52.50	46.3	309	84.85	5.37	38.4	88.92	85.54
<i>From 1981 onwards data are sucrose based</i>	Sucrose based				Sucrose based					Sucrose based		(F + G) / suc.ratio	Sucrose based	Sucrose based	Sucrose based
Average 1981 - 1984	12.44	15.88	9.44	9.12	97.12	2.36	1.09	51.74	52.6	347	85.17	5.88	37.2	87.25	84.74
Average 1985 - 1994	12.86	15.36	9.07	8.74	97.72	1.95	0.92	51.01	54.8	368	85.04	5.58	37.0	87.50	85.50
1995	11.73	15.84	9.99	9.64	97.69	1.78	0.83	51.70	54.9	356	83.60	6.09	37.3	85.93	83.94
1996	12.60	15.36	9.20	8.88	97.72	1.92	0.90	51.40	50.4	337	85.38	5.23	37.3	87.82	85.82
1997	12.62	15.38	9.15	8.83	97.74	1.91	0.90	51.12	49.9	334	86.15	4.72	37.5	88.09	86.10
1998	13.36	14.66	8.65	8.35	97.73	2.11	1.00	51.00	49.1	343	86.17	5.31	37.2	88.08	86.09
1999	13.77	14.76	8.36	8.06	97.93	1.97	0.94	50.81	52.3	362	86.51	4.73	37.7	88.33	86.50
2000	13.08	14.98	8.74	8.44	97.79	1.97	0.95	49.95	51.3	348	86.46	4.82	37.2	88.97	86.99
2001	13.11	14.97	8.81	8.50	97.74	2.02	0.95	50.81	54.3	369	85.92	4.94	37.1	88.18	86.19
2002	13.71	14.80	8.32	8.02	97.96	1.93	0.92	50.08	53.3	366	87.31	4.16	37.2	89.11	87.29
2003	13.70	14.81	8.42	8.12	97.87	2.01	0.96	50.34	54.5	375	86.36	4.59	37.9	88.14	86.26
2004	13.52	14.84	8.53	8.23	97.98	1.87	0.90	49.93	53.9	369	85.81	4.92	36.9	88.00	86.23
Average 1995 - 2004	13.12	15.04	8.82	8.51	97.82	1.95	0.93	50.71	52.4	356	85.97	4.95	37.4	88.07	86.14
2005	13.74	14.66	8.37	8.08	98.03	1.87	0.91	49.57	54.8	380	85.59	5.12	36.7	88.25	86.52
2006	12.85	14.95	8.99	8.68	97.84	1.91	0.92	49.76	54.5	372	85.55	4.98	37.4	87.51	85.61
2007	13.47	14.86	8.63	8.32	97.82	2.02	0.97	49.77	53.5	367	86.03	4.62	37.7	87.56	85.65
2008	13.69	14.95	8.46	8.16	97.61	2.23	1.06	50.26	51.3	349	86.49	4.41	37.5	88.05	85.94
2009	13.68	14.87	8.50	8.20	97.44	2.40	1.14	50.24	49.4	338	86.14	4.51	37.5	87.88	85.63
2010	14.14	14.71	8.30	8.01	97.28	2.66	1.26	50.45	51.0	352	85.89	5.17	38.0	87.16	84.78
2011	12.94	15.27	9.12	8.79	97.14	2.46	1.17	50.67	49.7	331	85.90	4.57	38.2	86.84	84.36
2012	13.46	15.41	8.75	8.44	97.19	2.50	1.19	50.18	50.5	333	86.35	4.72	38.8	86.99	84.55
2013	13.84	15.04	8.48	8.18	97.23	2.59	1.22	50.66	49.0	331	86.91	4.40	38.5	87.23	84.81
Average 2005 - 2013	13.53	14.97	8.62	8.32	97.51	2.29	1.09	50.17	51.5	350	86.09	4.72	37.8	87.50	85.32