

logix



SA STAMBOEK
STUD BOOK

Logix *Melk/Milk*

Kudde Gesondheids Verslag / Herd Health Report

GLYNTON JERSEYS

T/A INDUMENI FARMS CC

P.O. BOX 856

DUNDEE

3000

pdurham@glynton.co.za, herd@glynton.co.za

Test-day: 2025-01-27

Jersey Cows

LogixMilk Technical Advisor:

SURETHA FRANCIS

083 584 0814

suretha@studbook.co.za

February 8, 2025

List of Tables

1	Summary for Test-day 2025-01-27 (Number of Samples Tested: 228)	2
2	Quantification of Specific Cases (% of herd) and Loss in Production on 2025-01-27	2
3	Benchmark: Herd with the Top 25%, Average and Bottom 25% for different traits tested the last month of for Jersey Cows	2
4	Summary of Somatic Cell Counts per Lactation Group in the herd for 228 Jersey Cows	3
5	Somatic Cell Count (SCC) Analysis: Percentage (Number) of Cows within Stage of Lactation and Lactation Group for SCC > 200k and SCC > 750k for 228 Jersey Cows	3
6	Bulk Tank Results for 2025-01-27 (Number of Samples Tested: 0)	3
7	Somatic Cell Count (SSC) distribution and Milk Loss Monitor 2025-01-27	5
8	Cows Under Pressure (SCC > 500k and Lactose % < 4.6)	6
9	Cows with Somatic Cell Counts > 200k (Status: N=New -, C=Chronic -, R=Recurring - and CR=Chronic and Recurring Infections)	7
10	Possible Ketosis Cases; Cows under 100 days in milk (Prot. Fat Ratio < 0.68 for Jerseys and < 0.74 for other Breeds)	8
11	Possible Acidosis Cases (Protein % > Butterfat %)	9
12	Dry Cows with a Dry Period more than 55 Days	10
13	Cows with an active Inter-Calving Period (ICP) > 400 days	11

List of Figures

1	Somatic Cell Count (SCC) Trend	3
2	Percentage (%) of Cows with Somatic Cell Counts (SCC) more than 200k and 750k, respectively, per Test-day	4
3	Somatic Cell Count (SCC) Monitor Trend	4
4	Average Somatic Cell Counts (SCC, x1000/ml) per Day In Milk (DIM)	5
5	Somatic Cell Count (SCC) Distribution for Test-day (2025-01-27)	5

HERD HEALTH SUMMARY REPORT

GLYNTON JERSEYS - Jersey Cows

Table 1: Summary for Test-day 2025-01-27 (Number of Samples Tested: 228)

Analysis	Results	Norms*	% Cows outside norms*
Milk Production (kg)	Avg.: 15.3 Median: 15.0		
Butterfat (%)	Avg.: 5.29 Median: 5.26	3.5 % - 6.0 %	Too Low: 0 % Too High: 14 %
Protein (%)	Avg.: 3.89 Median: 3.92	3.0 % - 4.5 %	Too Low: 1 % Too High: 6 %
Lactose (%)	Avg.: 4.83 Median: 4.87	> 4.7 %	Too Low: 18 %
MUN (mg/dl)	Avg.: 20.77 Median: 21.28	8 - 16 mg/dl	Too Low: 1 % Too High: 85 %
SCC (x1000/ml)	Avg.: 235 Median: 91 % < 100 : 53.5 % % < 200 : 77.6 % % < 500 : 92.5 % % > 750 : 6.6 % % > 1 000 : 5.7 % % > 1 500 : 3.1 %	< 200 > 64 % > 75 % > 92 % < 4.8 % < 1 % NONE	Too High: 10.5 % Too High: 0 % Too High: 0 % Too High: 1.8 % Too High: 4.7 % Too High: 3.1 %
Butterfat Protein ratio	Average: 1.4	> 1.0	Too High: 0.9 %

Table 2: Quantification of Specific Cases (% of herd) and Loss in Production on 2025-01-27

Loss in Production due to:		Avg/Median SCC (Number (n)):	
SSC (kg per day):	162.6 (4.7 %)	1st Lact Cows:	246/96 (183)
DIM (kg per day):	0 (0.0 %)	2nd Lact Cows:	190/60 (45)
No. of Cows Under Pressure:	3 (1.3 %)	3rd Lact Cows:	161/161 (1)
No. Cows with SCC > 200k:	52 (22.8 %)	4th Lact Cows:	0/ (0)
No. Cows with SCC > 750k:	15 (6.6 %)	5th Lact Cows:	0/ (0)
No. New Infections:	49 (21.5 %)	6+ Lact Cows:	0/ (0)
No. Recurring Infections:	2 (0.9 %)	Avg. SCC for SCC > 750k (n):	1872 (15)
Cure Rate for SCC > 200k:	42.9 % (6)	Avg. Days In Milk (DIM) for Herd:	159
Cure Rate for SCC > 750k:	100.0 % (1)	Median of DIM for Herd:	168
No. Chronic Infections (SCC > 200k):	1 (0.4 %)	Avg. DIM for SCC < 200k (n):	165 (177)
No. Chronic Infections (SCC > 750k):	0 (0.0 %)	Avg. DIM for SCC > 200k and < 750k (n):	142 (37)
No. of Possible Ketosis Cases:	13	Avg. DIM for SCC > 750k (n):	127 (15)
No. of Possible Acidosis Cases:	2	Avg. Parity for Herd:	1
Avg. Age at First Calf (Months):	26	Avg. Parity for SCC < 200k:	1
Avg. Inter-Calf Period (Days):	389	Avg. Parity for SCC > 200k and < 750k:	1
No. Flushings:	NA	Avg. Parity for SCC > 750k:	1
No. Embrios:	NA		

Table 3: Benchmark: Herd with the Top 25%, Average and Bottom 25% for different traits tested the last month of for Jersey Cows

	Milk Production (kg)	Butterfat (%)	Protein (%)	Lactose (%)	SCC (x1000/ml)	MUN (mg/dl)
Herd	15.3	5.29	3.89	4.83	235	20.77
Top 25%	25.4	5.76	4.18	4.85	37	17.19
Breed Avg	21.1	5.12	3.87	4.67	270	13.45
Bottom 25%	15.9	4.59	3.63	4.55	277	10.50

*** PLEASE CONSULT YOUR VETERINARIAN, PROFESSIONAL ANIMAL SCIENTIST or LogixMilk TECHNICAL ADVISOR for the interpretation of these results and professional advisory services.**

Table 4: Summary of Somatic Cell Counts per Lactation Group in the herd for 228 Jersey Cows

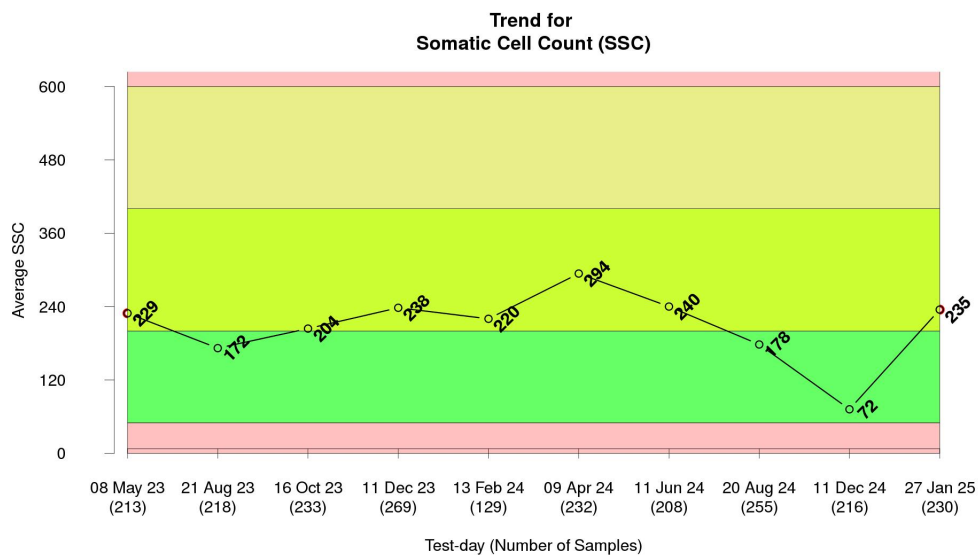
Lactation Group	% of Herd	Early Lactation	Mid Lactation	Late Lactation	% SCC > 200k	% SCC > 750k
1	80.3% (183)	21.1% (48)	33.3% (76)	25.9% (59)	18.9% (43)	5.3% (12)
2	19.7% (45)	6.6% (15)	7.5% (17)	5.7% (13)	3.9% (9)	1.3% (3)
3	0.4% (1)	0.0% (0)	0.0% (0)	0.4% (1)	0.0% (0)	0.0% (0)
4	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
5	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
6+	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
Herd	100.4% (229)	27.7% (63)	40.8% (93)	32% (73)	22.8% (52)	6.6% (15)

Table 5: Somatic Cell Count (SCC) Analysis: Percentage (Number) of Cows within Stage of Lactation and Lactation Group for SCC > 200k and SCC > 750k for 228 Jersey Cows

Lactation Group	Early Lactation		Mid Lactation		Late Lactation	
	% SCC > 200k	% SCC > 750k	% SCC > 200k	% SCC > 750k	% SCC > 200k	% SCC > 750k
1	31.2% (15)	8.3% (4)	22.4% (17)	6.6% (5)	18.6% (11)	5.1% (3)
2	20.0% (3)	6.7% (1)	35.3% (6)	11.8% (2)	0.0% (0)	0.0% (0)
3	0% (0)	0% (0)	0% (0)	0% (0)	0.0% (0)	0.0% (0)
4	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)
5	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)
6+	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)

Table 6: Bulk Tank Results for 2025-01-27 (Number of Samples Tested: 0)

Tank No	Butterfat (%)	Protein (%)	Lactose (%)	SCC (x1000/ml)	MUN (mg/dl)	pH
Calculated Tank	5.22	3.86	4.83	222	21	

**Figure 1:** Somatic Cell Count (SCC) Trend

The average Somatic Cell Count (SCC) and the trend over time is shown in the graph. The ideal is a herd with an average count of less than 200 000. A higher SCC results in lower milk production and possible udder infection. If animals with high SCC can be identified early, they can be treated in time, thereby preventing production loss and permanent udder damage resulting in lower herd life.

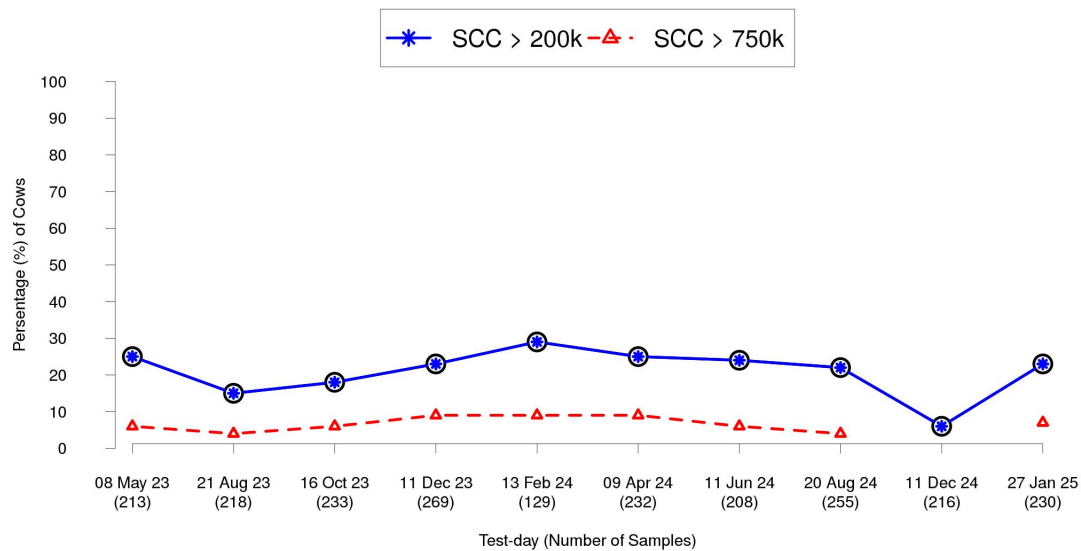


Figure 2: Percentage (%) of Cows with Somatic Cell Counts (SCC) more than 200k and 750k, respectively, per Test-day

The graph presents the trend of the % of cows with Somatic Cell Counts (SCC) more then 200k and 500k, respectively. The ideal is to have as few cows as possible with a SCC of more than 200K and none with a SCC of more than 750k.

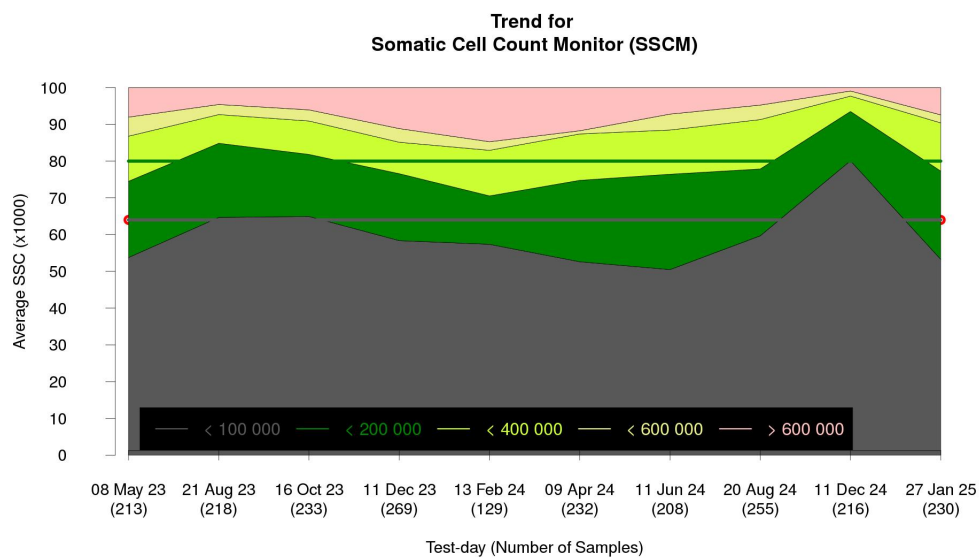


Figure 3: Somatic Cell Count (SCC) Monitor Trend

The graph shows the percentage of cows within certain Somatic Cell Count (SCC) levels. Ideally, at least 64% of the cows of a herd should have a SCC of less than 100 000 and 80% a SCC of less than 250 000. The danger zone is indicated in red, where ideally no cows should be indicated.

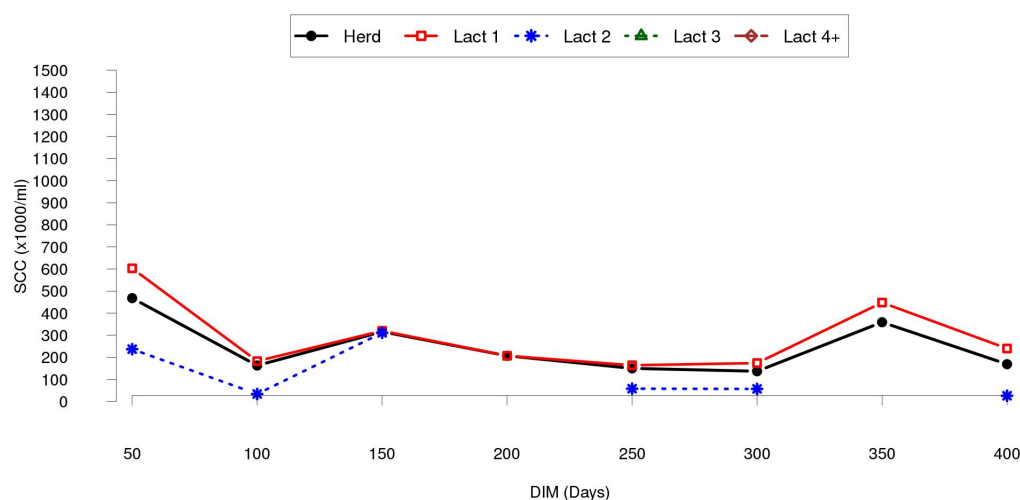


Figure 4: Average Somatic Cell Counts (SCC, x1000/ml) per Day In Milk (DIM)

This graph indicates the average Somatic Cell Counts (SCC, x1000/ml) per day in milk (DIM) for the complete herd, as well as for Lactation 1, 2, 3 and 4+ cows, separately.

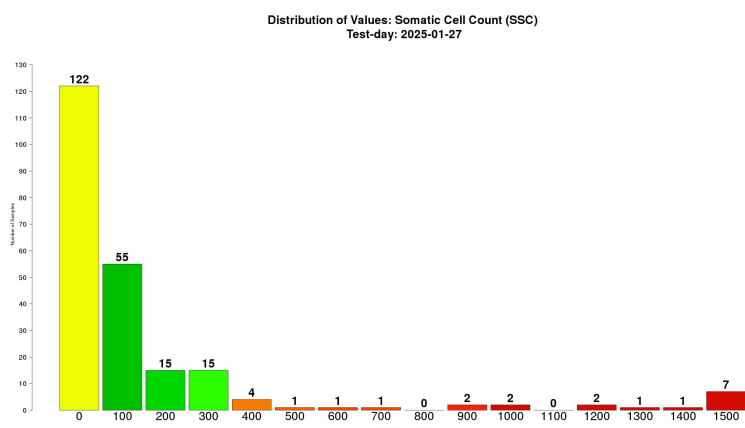


Figure 5: Somatic Cell Count (SCC) Distribution for Test-day (2025-01-27)

The graph depicts the number of animals within certain levels of Somatic Cell Counts (SCC). If the cows with SCCs higher than 600 000 can be identified early, they can be treated or even culled from the herd, preventing economic losses due to penalties paid for high SCCs in the milk.

Table 7: Somatic Cell Count (SSC) distribution and Milk Loss Monitor 2025-01-27

SSC Levels	< 100k	100k - 200k	200k - 500k	500k - 800k	800k - 1 500k	> 1 500k
Number Cows	122	55	34	3	8	7
% Cows	53.3 %	24.0 %	14.8 %	1.3 %	3.5 %	3.1 %
Milk Quality	Excellent	Very Good	Needs Improvement	Poor	Serious	BAD
% Milk Loss	< 2 %	2 - 4 %	4 - 8 %	8 - 10 %	10 - 35 %	> 35 %
% Quarters Infected	< 1 %	1 - 6 %	6 - 16 %	16 - 26 %	26 - 48 %	> 48 %

The average Somatic Cell Count (SCC) on 2025-01-27 for the herd, was 235 000. This figure places the herd in the "Yellow" SCC Zone and the milk quality Needs Improvement. Milk loss due to SCC is between 4 and 8 %.

Udder Health: Mastitis infections are evident and needs slight improvement. Check all management and control measures.

Table 8: Cows Under Pressure (SCC > 500k and Lactose % < 4.6)

Cow ID	Name	SCC	Lactose %	DIM	Parity	Production
22568	PENNELOPE LAWSON 765	3529	4.13	12	1	7.7
22507	JACANA POPEYE 342	3500	4.54	10	1	9.7
22366	MOSS PARKER 853	3205	4.59	155	1	14.3

Table 9: Cows with Somatic Cell Counts > 200k (Status: N=New -, C=Chronic -, R=Recurring - and CR=Chronic and Recurring Infections)

Cow ID	Name	SCC 2025-01-27	SCC 2024-12-11	SCC 2024-08-20	Production	DIM	Parity	Status
22568	PENNELOPE LAWSON 765	3529	-	-	7.7	12	1	N
22507	JACANA POPEYE 342	3500	-	-	9.7	10	1	N
22366	MOSS PARKER 853	3205	74	-	14.3	155	1	N
21792	WILAMENA GISLEV 290	3166	68	65	16	216	1	N
22690	IDA LAWSON 599	2080	22	-	15.8	105	1	N
21686	SNOWQUEEN LUKE 066	1856	16	-	19.3	101	2	N
22468	LADIN PARKER 327	1581	513	-	15	103	1	N
22441	SNOWQUEEN JOJO 473	1413	410	-	12.9	166	1	N
22161	LIESL TROOPER 239	1300	17	59	15.3	244	1	N
22685	WILTED TROOPER 587	1255	-	-	13.8	72	1	N
22409	JACANA POPEYE 159	1244	38	-	10.1	156	1	N
21270	PETRO JEM 370	1096	9	-	14.2	139	2	N
22655	WILMA JOJO 736	1018	659	-	14.4	100	1	N
21647	WILAMENA ORIOLE 133	928	-	34	20.7	15	2	N
22169	JACANA JOJO 032	912	90	48	14.6	318	1	N
21727	PET LANDO 498	703	129	-	14	101	2	N
21056	SILVER GISLEV 203	647	-	64	18	13	2	N
22661	IXIA COZY 340	519	-	-	14.9	8	1	N
22729	PEARL JOJO 528	496	1532	-	21.3	71	1	N
22569	WILAMENA HENK 716	441	-	-	14.5	10	1	N
22224	PETRO PARKER 280	438	147	13	17.9	195	1	N
22492	SILVERLEAF SHAUN 763	415	75	-	16.6	105	1	N
22640	JASMINE TROOPER 715	393	20	57	12.8	176	1	N
21813	PENNY ORIOLE 431	388	33	74	10.5	228	1	N
22434	WILAMENA TROOPER 905	381	76	-	15.8	167	1	N
22709	WILMA LAWSON 727	376	39	-	14.8	102	1	N
22728	JASMINE JOJO 634	373	120	-	16.7	57	1	N
21599	PET LASTER 355	361	229	129	13.7	616	1	R
22605	MIMAH JOJO 550	351	66	194	14.2	172	1	N
22721	IDA JOJO 417	342	-	-	14.8	14	1	N
22285	IXIA TROOPER 270	336	15	27	14.1	208	1	N
22699	SALETTE POPEYE 351	333	92	-	16.2	71	1	N
22396	SNOW TROOPER 322	319	114	-	16.4	113	1	N
22113	WILAMENA POPEYE 338	312	81	67	16.7	329	1	N
21256	PETULA LANDO 549	312	95	60	16.8	257	1	N
22395	LABEL POPEYE 115	304	215	518	15.5	203	1	C
22702	MERCY LAWSON 594	301	163	175	12.8	172	1	N
22454	MOSS TROOPER 863	288	54	-	11.1	99	1	N
22807	ELSA HENK 916	280	-	-	16	26	1	N
22750	MIMAH LAWSON 673	275	-	-	20.1	47	1	N
21540	DAPHNE GISLEV 511	266	14	-	19.2	109	2	N
21848	STARLING PARKER 145	254	-	397	21.3	26	2	N
21609	WILAMENA LANDO 267	247	124	136	11.9	416	1	N
22502	MIMAH PARKER 659	240	157	-	15	103	1	N
22631	WILAMENA TROOPER 281	227	113	-	15.5	104	1	N
22394	WILAMENA LANDO 547	227	83	40	13.1	194	1	N
22227	IXIA JOJO 554	225	63	54	17.2	180	1	N
22104	LULU POPEYE 768	222	62	203	14.6	239	1	R
22633	PETRO JOJO 718	222	54	-	16.5	60	1	N
21749	JASMINE LANDO 417	220	27	-	18.9	107	2	N
21901	LOUDINE LANDO 493	204	50	-	19.7	124	2	N
22522	STAR PETER 355	201	-	-	16.1	14	1	N

Table 10: Possible Ketosis Cases; Cows under 100 days in milk (Prot. Fat Ratio < 0.68 for Jerseys and < 0.74 for other Breeds)

Cow ID	Name	Production	DIM	Parity	Prot % to Fat %	Breed
22568	PENNELOPE LAWSON 765	7.7	12	1	0.50	JSE
22451	PETRO JOJO 289	18.1	55	1	0.54	JSE
21714	PETRO ORIOLE 782	16	21	2	0.56	JSE
22517	JEAN PARKER 669	17.5	70	1	0.62	JSE
21396	MAID GISLEV 448	24.1	32	2	0.63	JSE
22014	MIMAH COZY 103	18.3	26	2	0.63	JSE
22686	IXIA POPEYE 534	14.3	67	1	0.64	JSE
22507	JACANA POPEYE 342	9.7	10	1	0.66	JSE
23613	MIMAH HENK 560	11.8	30	1	0.66	JSE
22716	JACANA COZY 720	15.4	68	1	0.66	JSE
22515	MIMAH SHAUN 438	15.6	40	1	0.67	JSE
22557	MIMAH PARKER 260	16.2	20	1	0.67	JSE
22699	SALETTE POPEYE 351	16.2	71	1	0.68	JSE

Table 11: Possible Acidosis Cases (Protein % > Butterfat %)

Cow ID	Name	Production	DIM	Parity	Prot % to Fat %
22527	SCARLETT SHAUN 375	18.1	93	1	1.01
21253	SNOWQUEEN KINGSTON 204	24.5	68	2	1.01

Table 12: Dry Cows with a Dry Period more than 55 Days

Cow ID	Name	Breed	Last ICP	Avg. ICP	No. ICPs	Days Since Last Calf	Days Open
17895	GLYNTON MOSS 17116	JSE	583	588	2	980	402
DG 200641	DAZZLE HAMLET 110	JSE	357	357	1	492	346
DG 160223	PETRO LEXICON 307	JSE	454	427	4	622	318
DG 210863	WILAMENA LANDO 132	JSE	-	-	-	335	318
DG 170229	NOEL TARHEEL 163	JSE	458	428	4	414	311
12132	SOLATAIRE ZUMA 111	JSE	347	365	10	342	248
DG 210169	LOUISE CRAZE 286	JSE	364	364	1	330	227
20671	NINA ALVIN 371	JSE	-	-	-	789	87

Table 13: Cows with an active Inter-Calving Period (ICP) > 400 days

Cow ID	Name	Breed	Last ICP	Avg. ICP	No. ICPs	Days Since Last Calf	Production
17895	GLYNTON MOSS 17116	JSE	583	588	2	980	-
20655	JACANA COTTAGE 756	JSE	-	-	-	805	13.3
20671	NINA ALVIN 371	JSE	-	-	-	789	-
DG 160223	PETRO LEXICON 307	JSE	454	427	4	622	-
DG 210599	PET LASTER 355	JSE	-	-	-	622	13.7
18372	IXIA DEWEY 276	JSE	413	371	3	530	-
DG 210649	MOSS ORIOLE 194	JSE	-	-	-	526	17.4
21178	LABEL ALVIN 012	JSE	-	-	-	520	-
DG 200641	DAZZLE HAMLET 110	JSE	357	357	1	492	-
DG 190765	PENNELOPE GARANT 362	JSE	352	344	2	481	-
DG 160125	JASMINE JACKO 255	JSE	468	415	5	472	-
DG 200665	MAGNOLIA ALVIN 060	JSE	392	392	1	452	13.2
21609	WILAMENA LANDO 267	JSE	-	-	-	422	11.9
20520	JASMINE WORLD CUP 339	JSE	507	507	1	420	15.8
DG 170229	NOEL TARHEEL 163	JSE	458	428	4	414	-