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STUD BOOK

Logix Melk/Milk

Kudde Gesondheids Verslag / Herd Health Report

VERLORENKLOOF DEVELOPMENT

POSBUS 66
LYDENBURG
1120

eric@verlorenkloof.co.za,marinus@verlorenkloof.co.za

Test-day: 2025-10-29

Friesland Cows

LogixMilk Technical Advisor:

SURETHA FRANCIS

083 584 0814

suretha@studbook.co.za

October 31, 2025

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HERD HEALTH SUMMARY REPORT

VERLORENKLOOF DEVELOPMENT - Friesland Cows

Table 1: Summary for Test-day 2025-10-29 (Number of Samples Tested: 52)

Analysis	Results	Norms*	% Cows outside norms*
Milk Production (kg)	Avg.: 14.6 Median: 14.0		
Butterfat (%)	Avg.: 4.96 Median: 4.96	3.5 % - 6.0 %	Too Low: 0 % Too High: 8 %
Protein (%)	Avg.: 4.12 Median: 4.03	3.0 % - 4.5 %	Too Low: 0 % Too High: 19 %
Lactose (%)	Avg.: 4.72 Median: 4.76	> 4.7 %	Too Low: 37 %
MUN (mg/dl)	Avg.: 7.81 Median: 7.00	8 - 16 mg/dl	Too Low: 52 % Too High: 2 %
SCC (x1000/ml)	Avg.: 353 Median: 160 % < 100 : 15.4 % % < 200 : 67.3 % % < 500 : 82.7 % % > 750 : 15.4 % % > 1 000 : 9.6 % % > 1 500 : 5.8 %	< 200 > 64 % > 75 % > 92 % < 4.8 % < 1 % NONE	Too High: 48.6 % Too High: 7.7 % Too High: 9.3 % Too High: 10.6 % Too High: 8.6 % Too High: 5.8 %
Butterfat Protein ratio	Average: 1.2	> 1.0	Too High: 1.9 %

Table 2: Quantification of Specific Cases (% of herd) and Loss in Production on 2025-10-29

Loss in Production due to:		Avg/Median SCC (Number (n)):	
SSC (kg per day):	50.6 (6.7 %)	1st Lact Cows:	139/145 (8)
DIM (kg per day):	455.5 (60.0 %)	2nd Lact Cows:	332/155 (14)
No. of Cows Under Pressure:	6 (11.5 %)	3rd Lact Cows:	411/165 (14)
No. Cows with SCC > 200k:	17 (32.7 %)	4th Lact Cows:	219/180 (7)
No. Cows with SCC > 750k:	8 (15.4 %)	5th Lact Cows:	649/220 (8)
No. New Infections:	2 (3.8 %)	6+ Lact Cows:	140/140 (1)
No. Recurring Infections:	14 (26.9 %)	Avg. SCC for SCC > 750k (n):	1316 (8)
Cure Rate for SCC > 200k:	12.5 % (2)	Avg. Days In Milk (DIM) for Herd:	348
Cure Rate for SCC > 750k:	25.0 % (1)	Median of DIM for Herd:	348
No. Chronic Infections (SCC > 200k):	5 (9.6 %)	Avg. DIM for SCC < 200k (n):	305 (35)
No. Chronic Infections (SCC > 750k):	1 (1.9 %)	Avg. DIM for SCC > 200k and < 750k (n):	430 (9)
No. of Possible Ketosis Cases:	1	Avg. DIM for SCC > 750k (n):	431 (8)
No. of Possible Acidosis Cases:	1	Avg. Parity for Herd:	3
Avg. Age at First Calf (Months):	32	Avg. Parity for SCC < 200k:	3
Avg. Inter-Calf Period (Days):	486	Avg. Parity for SCC > 200k and < 750k:	3
No. Flushings:	NA	Avg. Parity for SCC > 750k:	3
No. Embrios:	NA		

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

	Milk Production (kg)	Butterfat (%)	Protein (%)	Lactose (%)	SCC (x1000/ml)	MUN (mg/dl)
Herd	14.6	4.96	4.12	4.72	353	7.81
Top 25%	43.8	4.85	3.77	5.02	30	14.00
Breed Avg	35.6	4.31	3.52	4.85	231	11.60
Bottom 25%	29.2	3.67	3.22	4.72	190	10.00

*** 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 52 Friesland Cows

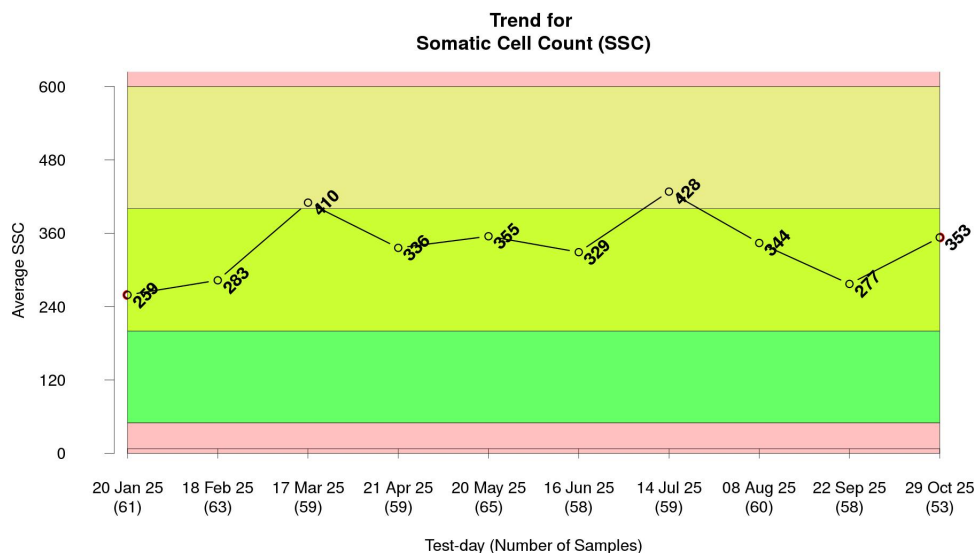
Lactation Group	% of Herd	Early Lactation	Mid Lactation	Late Lactation	% SCC > 200k	% SCC > 750k
1	15.4% (8)	1.9% (1)	0.0% (0)	13.5% (7)	0.0% ()	0.0% ()
2	26.9% (14)	0.0% (0)	5.8% (3)	21.2% (11)	9.6% (5)	3.8% (2)
3	26.9% (14)	0.0% (0)	1.9% (1)	25.0% (13)	11.5% (6)	7.7% (4)
4	13.5% (7)	0.0% (0)	3.8% (2)	9.6% (5)	3.8% (2)	0.0% ()
5	15.4% (8)	0.0% (0)	3.8% (2)	11.5% (6)	7.7% (4)	3.8% (2)
6+	1.9% (1)	0.0% (0)	1.9% (1)	0.0% (0)	0.0% ()	0.0% ()
Herd	100% (52)	1.9% (1)	17.2% (9)	80.8% (42)	32.6% (17)	15.3% (8)

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 52 Friesland Cows

Lactation Group	Early Lactation		Mid Lactation		Late Lactation	
	% SCC > 200k	% SCC > 750k	% SCC > 200k	% SCC > 750k	% SCC > 200k	% SCC > 750k
1	0.0% ()	0.0% ()	0% ()	0% ()	0.0% ()	0.0% ()
2	0% ()	0% ()	0.0% ()	0.0% ()	45.5% (5)	18.2% (2)
3	0% ()	0% ()	0.0% ()	0.0% ()	46.2% (6)	30.8% (4)
4	0% ()	0% ()	0.0% ()	0.0% ()	40.0% (2)	0.0% ()
5	0% ()	0% ()	0.0% ()	0.0% ()	66.7% (4)	33.3% (2)
6+	0% ()	0% ()	0.0% ()	0.0% ()	0% ()	0% ()

Table 6: Bulk Tank Results for 2025-10-29 (Number of Samples Tested: 0)

Tank No	Butterfat (%)	Protein (%)	Lactose (%)	SCC (x1000/ml)	MUN (mg/dl)	pH
Calculated Tank	4.90	4.05	4.73	341	8	

**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.

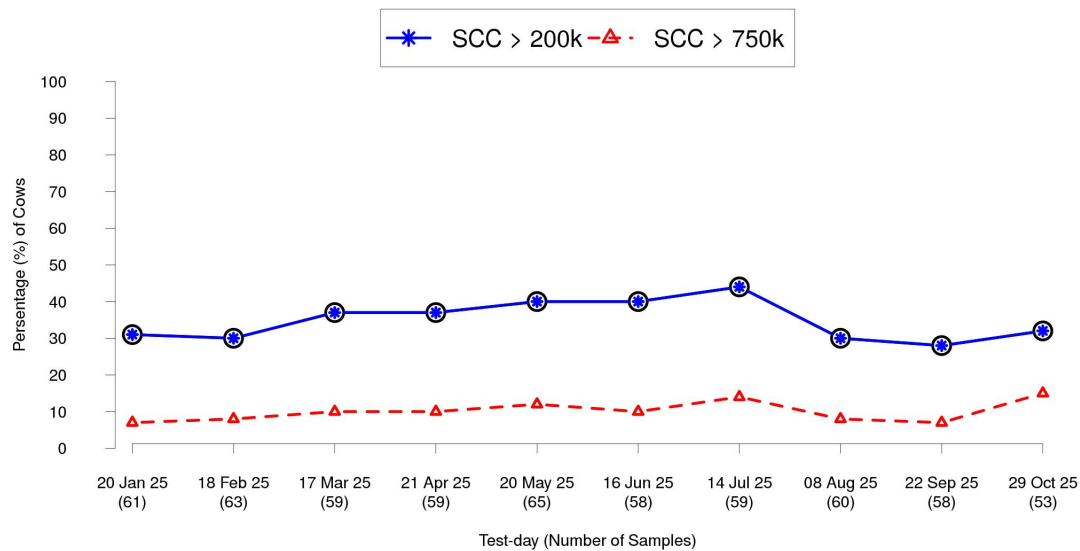


Figure 2: Percentage (%) of Cows with Somatic Cell Counts (SCC) more than 200k and 750k, respectively, per Test-day

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.

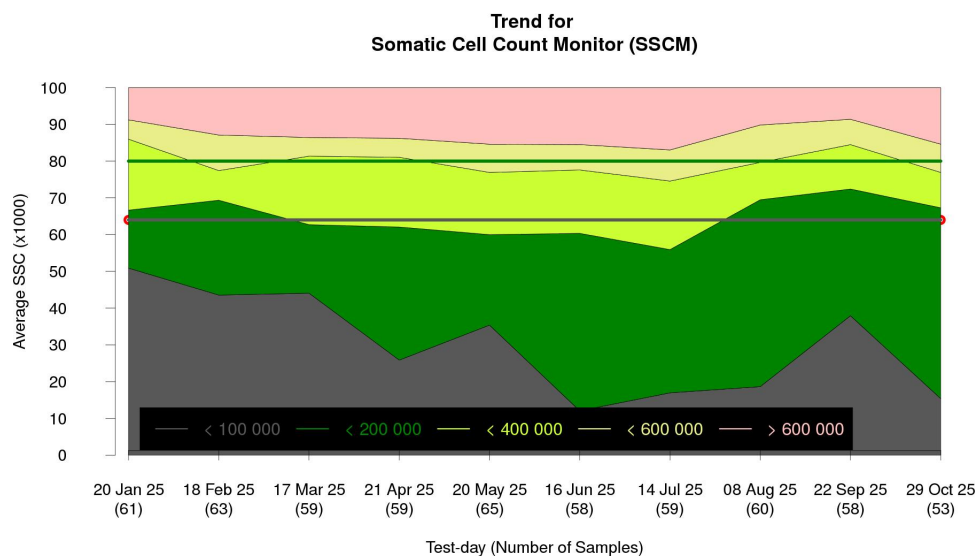


Figure 3: Somatic Cell Count (SCC) Monitor Trend

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.

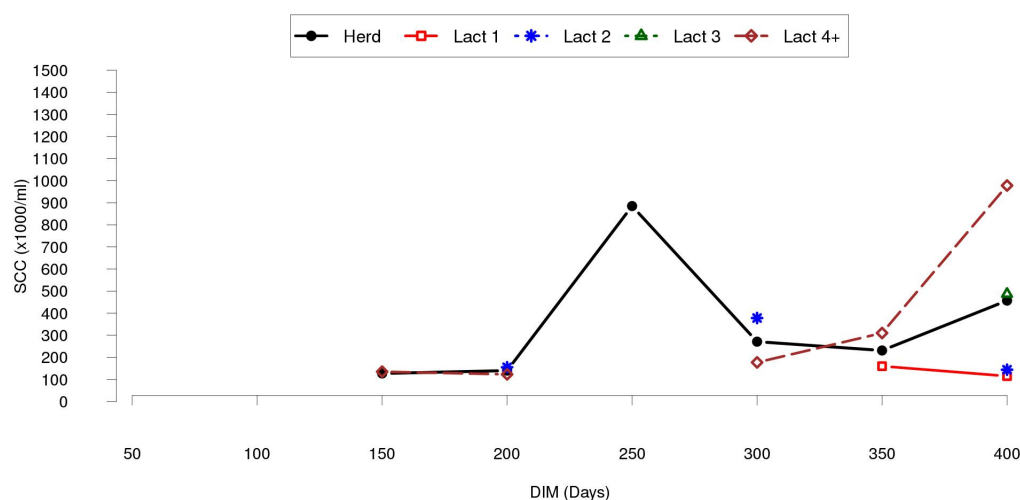


Figure 4: Average Somatic Cell Counts (SCC, x1000/ml) per Day In Milk (DIM)

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.

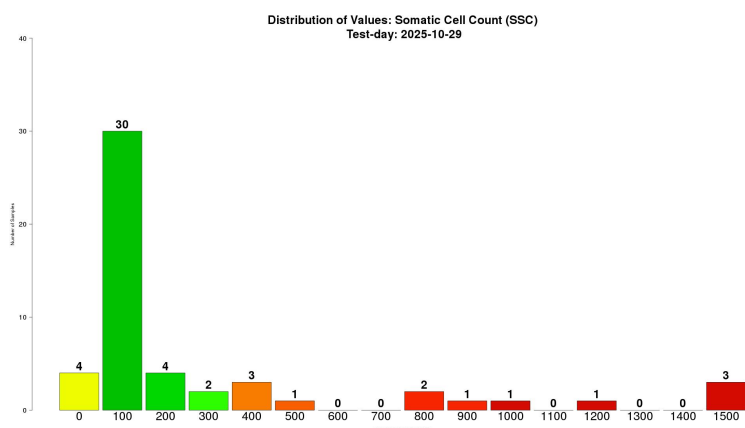


Figure 5: Somatic Cell Count (SCC) Distribution for Test-day (2025-10-29)

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 2025-10-29

SSC Levels	< 100k	100k - 200k	200k - 500k	500k - 800k	800k - 1 500k	> 1 500k
Number Cows	4	30	9	1	5	3
% Cows	7.7 %	57.7 %	17.3 %	1.9 %	9.6 %	5.8 %
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 2025-10-29 for the herd, was 353 000. 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
201631	201631	2480	4.44	423	5	14.8
201632	201632	1520	4.46	495	5	9.6
201826	201826	1250	3.53	550	3	11
201705	201705	850	4.27	500	3	11.6
201928	201928	820	4.54	389	3	21.4
201821	201821	540	4.30	438	3	14.6

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 2025-10-29	SCC 2025-09-22	SCC 2025-08-08	Production	DIM	Parity	Status
201631	201631	2480	2312	2413	14.8	423	5	CR
202113	202113	1590	566	183	16	212	2	N
201632	201632	1520	598	1979	9.6	495	5	CR
201826	201826	1250	225	147	11	550	3	R
201921	201921	1080	275	520	11	620	3	C
202101	202101	940	146	606	13.2	261	2	R
201705	201705	850	480	164	11.6	500	3	R
201928	201928	820	1789	520	21.4	389	3	CR
201821	201821	540	288	97	14.6	438	3	R
201626	201626	480	601	468	13.5	549	5	CR
201811	201811	460	150	2606	15.2	338	4	R
202018	202018	410	181	152	12.4	342	2	R
201723	201723	330	163	196	9	575	4	R
201940	201940	300	141	225	17	267	2	R
201829	201829	230	942	137	9.8	616	3	R
201932	201932	230	56	105	13.6	488	2	N
201820	201820	220	577	200	16.8	260	5	R

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
202219	202219	21	77	1	0.68	FLD

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

Cow ID	Name	Production	DIM	Parity	Prot % to Fat %
201723	201723	9	575	4	1.02

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
VKL 200027	202027	FLD	-	-	-	676	522
201713	201713	FLD	463	497	3	583	220
VKL 180027	201827	FLD	460	529	2	609	220
VKL 180019	201819	FLD	520	500	2	503	220
VKL 180017	201817	FLD	454	409	3	516	220

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
VKL 180002	201802	FLD	460	520	2	765	-
VKL 160029	201629	FLD	470	483	3	685	-
VKL 200027	202027	FLD	-	-	-	676	-
VKL 160019	201619	FLD	512	478	4	634	-
201727	201727	FLD	544	479	3	626	-
VKL 190021	201921	FLD	408	408	1	617	11
VKL 180029	201829	FLD	518	491	2	613	9.8
201931	201931	FLD	427	427	1	613	-
VKL 180027	201827	FLD	460	529	2	609	-
201713	201713	FLD	463	497	3	583	-
VKL 170023	201723	FLD	360	432	3	572	9
VKL 190017	201917	FLD	383	484	2	554	-
VKL 180026	201826	FLD	540	552	2	547	11
VKL 160011	201611	FLD	415	509	4	546	-
VKL 160026	201626	FLD	489	471	4	546	13.5
VKL 180017	201817	FLD	454	409	3	516	-
VKL 190006	201906	FLD	515	515	1	508	13
VKL 180019	201819	FLD	520	500	2	503	-
VKL 170005	201705	FLD	585	783	2	497	11.6
VKL 180018	201818	FLD	366	411	2	495	-
201632	201632	FLD	477	496	4	492	9.6
VKL 200017	202017	FLD	383	383	1	489	-
VKL 190029	201929	FLD	669	669	1	486	14
VKL 190032	201932	FLD	672	672	1	485	13.6
VKL 200011	202011	FLD	539	539	1	485	-
201621	201621	FLD	606	505	4	457	26.4
201807	201807	FLD	549	698	2	445	11.8
VKL 190033	201933	FLD	405	405	1	443	11.4
VKL 200010	202010	FLD	437	437	1	442	-
202029	202029	FLD	402	402	1	437	-
201821	201821	FLD	576	594	2	435	14.6
202118	202118	FLD	-	-	-	434	9.8
VKL 200024	202024	FLD	509	509	1	430	9.2
202128	202128	FLD	-	-	-	429	-
201710	201710	FLD	602	476	4	429	-
VKL 220014	202214	FLD	-	-	-	425	14.2
202211	202211	FLD	-	-	-	423	13
202217	202217	FLD	-	-	-	421	13
201631	201631	FLD	524	507	4	420	14.8
202205	202205	FLD	-	-	-	402	14.4