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STUD BOOK

Logix Melk/Milk

Kudde Gesondheids Verslag / Herd Health Report

VERLORENKLOOF DEVELOPMENT

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Test-day: 2026-01-19

Friesland Cows

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HERD HEALTH SUMMARY REPORT

VERLORENKLOOF DEVELOPMENT - Friesland Cows

Table 1: Summary for Test-day 2026-01-19 (Number of Samples Tested: 54)

Analysis	Results	Norms*	% Cows outside norms*
Milk Production (kg)	Avg.: 16.1 Median: 15.0		
Butterfat (%)	Avg.: 4.53 Median: 4.53	3.5 % - 6.0 %	Too Low: 4 % Too High: 4 %
Protein (%)	Avg.: 3.81 Median: 3.72	3.0 % - 4.5 %	Too Low: 9 % Too High: 13 %
Lactose (%)	Avg.: 4.66 Median: 4.73	> 4.7 %	Too Low: 46 %
MUN (mg/dl)	Avg.: 16.48 Median: 16.00	8 - 16 mg/dl	Too Low: 0 % Too High: 44 %
SCC (x1000/ml)	Avg.: 732 Median: 240 % < 100 : 25.9 % % < 200 : 46.3 % % < 500 : 68.5 % % > 750 : 24.1 % % > 1 000 : 24.1 % % > 1 500 : 16.7 %	< 200 > 64 % > 75 % > 92 % < 4.8 % < 1 % NONE	Too High: 38.1 % Too High: 28.7 % Too High: 23.5 % Too High: 19.3 % Too High: 23.1 % Too High: 16.7 %
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 2026-01-19

Loss in Production due to:		Avg/Median SCC (Number (n)):	
SSC (kg per day):	84.0 (9.7 %)	1st Lact Cows:	311/80 (11)
DIM (kg per day):	347.8 (40.0 %)	2nd Lact Cows:	1038/270 (15)
No. of Cows Under Pressure:	8 (14.8 %)	3rd Lact Cows:	438/190 (9)
No. Cows with SCC > 200k:	29 (53.7 %)	4th Lact Cows:	181/175 (7)
No. Cows with SCC > 750k:	13 (24.1 %)	5th Lact Cows:	1129/340 (7)
No. New Infections:	13 (24.1 %)	6+ Lact Cows:	1484/1580 (5)
No. Recurring Infections:	14 (25.9 %)	Avg. SCC for SCC > 750k (n):	2368 (13)
Cure Rate for SCC > 200k:	8.3 % (1)	Avg. Days In Milk (DIM) for Herd:	288
Cure Rate for SCC > 750k:	50.0 % (1)	Median of DIM for Herd:	294
No. Chronic Infections (SCC > 200k):	5 (9.3 %)	Avg. DIM for SCC < 200k (n):	318 (25)
No. Chronic Infections (SCC > 750k):	1 (1.9 %)	Avg. DIM for SCC > 200k and < 750k (n):	257 (16)
No. of Possible Ketosis Cases:	2	Avg. DIM for SCC > 750k (n):	270 (13)
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):	492	Avg. Parity for SCC > 200k and < 750k:	3
No. Flushings:	NA	Avg. Parity for SCC > 750k:	4
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	16.1	4.53	3.81	4.66	732	16.48
Top 25%	46.2	4.14	3.48	5.05	30	16.00
Breed Avg	40.1	3.79	3.26	4.89	349	13.90
Bottom 25%	34.4	3.37	3.02	4.79	230	11.00

*** 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 54 Friesland Cows

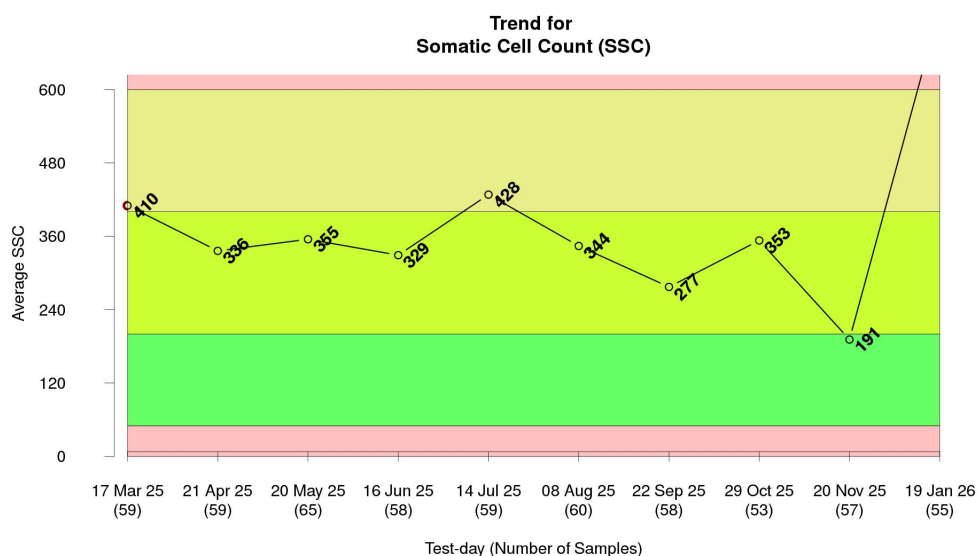
Lactation Group	% of Herd	Early Lactation	Mid Lactation	Late Lactation	% SCC > 200k	% SCC > 750k
1	20.4% (11)	7.4% (4)	1.9% (1)	11.1% (6)	7.4% (4)	1.9% (1)
2	27.8% (15)	13.0% (7)	0.0% (0)	14.8% (8)	18.5% (10)	5.6% (3)
3	16.7% (9)	1.9% (1)	0.0% (0)	14.8% (8)	7.4% (4)	3.7% (2)
4	13.0% (7)	1.9% (1)	0.0% (0)	11.1% (6)	3.7% (2)	0.0% (0)
5	13.0% (7)	1.9% (1)	0.0% (0)	11.1% (6)	9.3% (5)	5.6% (3)
6+	9.3% (5)	7.4% (4)	1.9% (1)	0.0% (0)	7.4% (4)	7.4% (4)
Herd	100.2% (54)	33.5% (18)	3.8% (2)	62.9% (34)	53.7% (29)	24.2% (13)

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 54 Friesland Cows

Lactation Group	Early Lactation		Mid Lactation		Late Lactation	
	% SCC > 200k	% SCC > 750k	% SCC > 200k	% SCC > 750k	% SCC > 200k	% SCC > 750k
1	75.0% (3)	25.0% (1)	0.0% (0)	0.0% (0)	16.7% (1)	0.0% (0)
2	71.4% (5)	14.3% (1)	0% (0)	0% (0)	62.5% (5)	25.0% (2)
3	0.0% (0)	0.0% (0)	0% (0)	0% (0)	50.0% (4)	25.0% (2)
4	0.0% (0)	0.0% (0)	0% (0)	0% (0)	33.3% (2)	0.0% (0)
5	100.0% (1)	0.0% (0)	0% (0)	0% (0)	66.7% (4)	50.0% (3)
6+	100.0% (4)	100.0% (4)	0.0% (0)	0.0% (0)	0% (0)	0% (0)

Table 6: Bulk Tank Results for 2026-01-19 (Number of Samples Tested: 0)

Tank No	Butterfat (%)	Protein (%)	Lactose (%)	SCC (x1000/ml)	MUN (mg/dl)	pH
Calculated Tank	4.32	3.61	4.72	573	16	

**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.

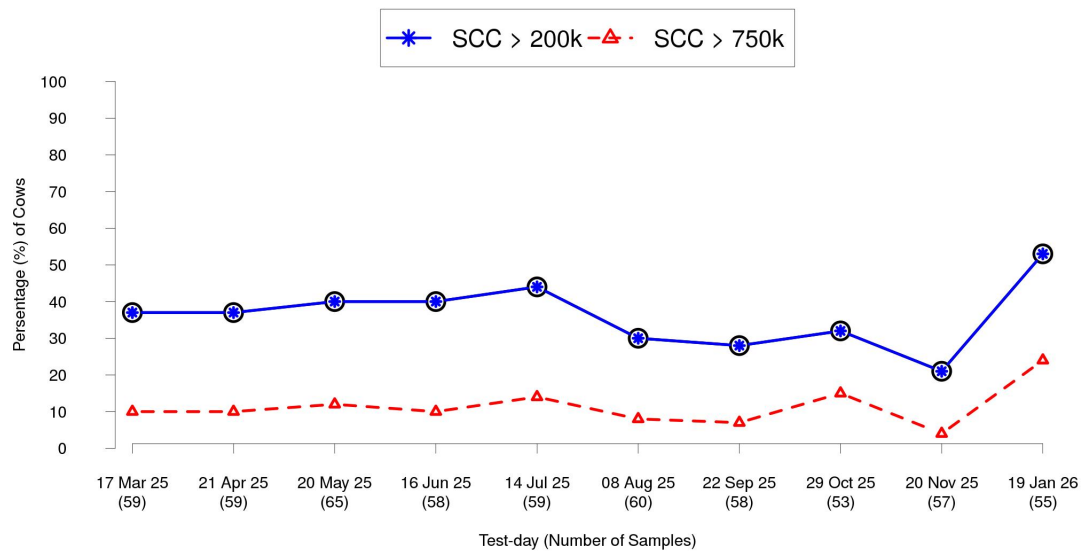


Figure 2: Percentage (%) of Cows with Somatic Cell Counts (SCC) more than 200k and 750k, respectively, per Test-day

The graph presents the trend of the % of cows with Somatic Cell Counts (SCC) more than 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.

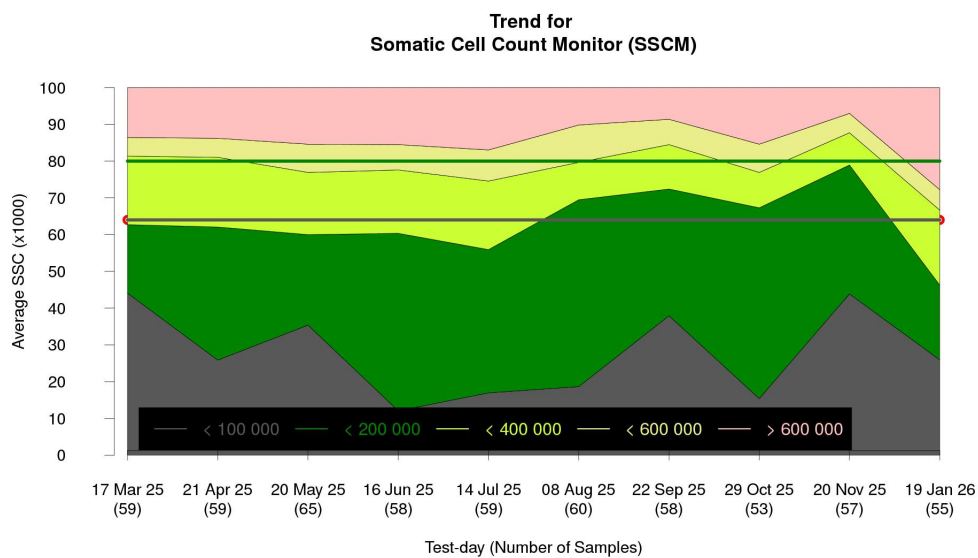


Figure 3: Somatic Cell Count (SCC) Monitor Trend

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.

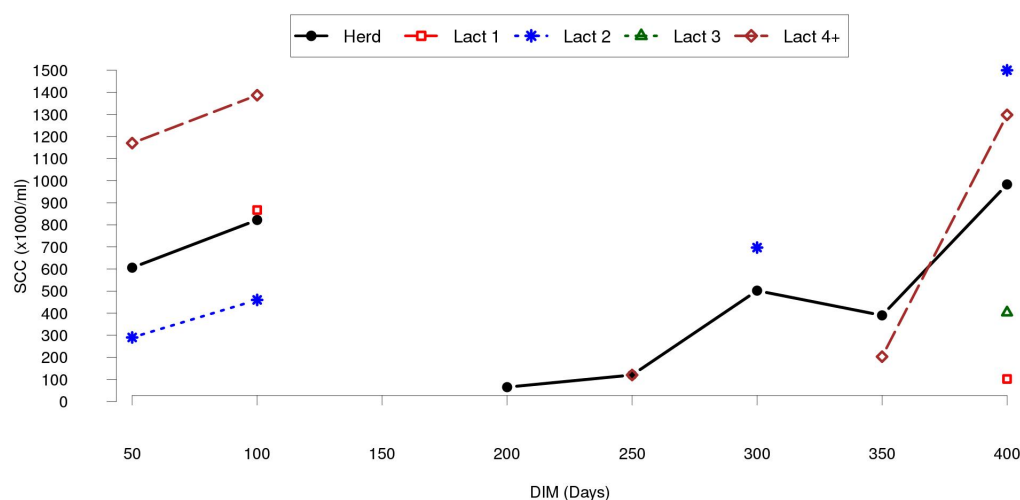


Figure 4: Average Somatic Cell Counts (SCC, x1000/ml) per Day In Milk (DIM)

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.

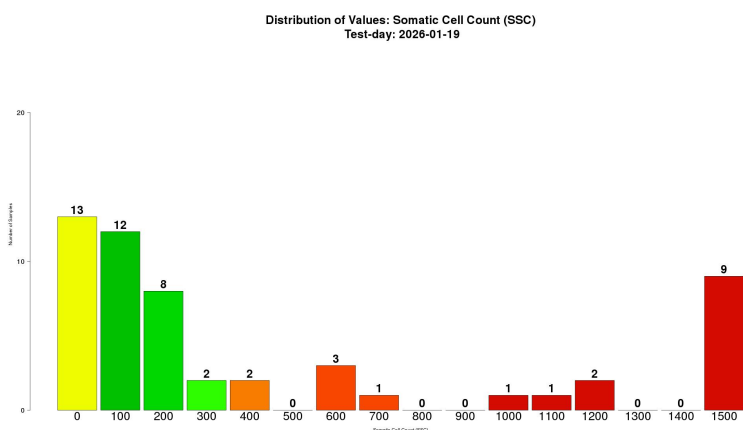


Figure 5: Somatic Cell Count (SCC) Distribution for Test-day (2026-01-19)

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 2026-01-19

SSC Levels	< 100k	100k - 200k	200k - 500k	500k - 800k	800k - 1 500k	> 1 500k
Number Cows	13	12	12	4	4	9
% Cows	24.1 %	22.2 %	22.2 %	7.4 %	7.4 %	16.7 %
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 2026-01-19 for the herd, was 732 000. This figure places the herd in the "Orange" SCC Zone and the milk quality is Poor. Milk loss due to SCC is between 8 and 10 %.

Udder Health: Mastitis infections are evident and needs slight improvement. Your mastitis control program needs improvement. Consult your veterinarian and/or registered animal scientist for assistance. Due to high somatic cell counts, your ability to supply milk is at risk.

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

Cow ID	Name	SCC	Lactose %	DIM	Parity	Production
202024	202024	9999	3.00	515	2	2
201631	201631	2790	4.57	505	5	14
201611	201611	2540	4.54	54	7	25
201613	201613	1980	3.56	454	5	3
201626	201626	1670	4.42	20	6	14
202121	202121	720	4.58	258	2	15
201932	201932	620	4.30	570	2	5
201705	201705	600	4.17	582	3	16

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 2026-01-19	SCC 2025-11-20	SCC 2025-10-29	Production	DIM	Parity	Status
202024	202024	9999	57	100	2	515	2	R
201631	201631	2790	628	2480	14	505	5	CR
201611	201611	2540	-	-	25	54	7	N
201632	201632	2290	305	1520	10	577	5	CR
201613	201613	1980	103	80	3	454	5	R
202233	202233	1740	61	-	22	82	1	N
201626	201626	1670	623	480	14	20	6	C
201710	201710	1580	-	-	22	21	6	N
201619	201619	1530	474	-	27	95	6	N
201928	201928	1280	825	820	10	471	3	CR
201908	201908	1200	220	130	17	349	3	N
202113	202113	1100	328	1590	18	294	2	C
202216	202216	1090	-	-	13	71	2	N
202121	202121	720	1660	170	15	258	2	R
201932	201932	620	38	230	5	570	2	R
202222	202222	600	-	-	21	25	2	N
201705	201705	600	193	850	16	582	3	R
202318	202318	460	-	-	23	51	1	N
202244	202244	400	-	-	12	69	1	N
201820	201820	340	32	220	13	342	5	R
202217	202217	330	177	170	15	506	1	R
201734	201734	290	132	160	12	430	4	R
202303	202303	270	-	-	24	13	2	N
201723	201723	270	56	330	13	657	4	R
202133	202133	270	53	140	17	252	2	R
201731	201731	260	-	-	23	40	5	N
201944	201944	240	192	160	12	258	3	R
202232	202232	240	-	-	21	51	2	N
202302	202302	230	-	-	18	12	2	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
202244	202244	12	69	1	0.60	FLD
202216	202216	13	71	2	0.66	FLD

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

Cow ID	Name	Production	DIM	Parity	Prot % to Fat %
201809	201809	19	471	3	1.05

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	-	-	-	774	620
VKL 180027	201827	FLD	460	529	2	707	318
VKL 180017	201817	FLD	454	409	3	614	318
VKL 170013	201713	FLD	463	497	3	681	318
201819	201819	FLD	520	500	2	601	318
VKL 170027	201727	FLD	544	479	3	724	227
VKL 190031	201931	FLD	427	427	1	711	227
201629	201629	FLD	470	483	3	783	227
VKL 180018	201818	FLD	366	411	2	593	227
VKL 210024	202124	FLD	434	434	1	278	200

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
201629	201629	FLD	470	483	3	783	-
VKL 200027	202027	FLD	-	-	-	774	-
VKL 170027	201727	FLD	544	479	3	724	-
VKL 190021	201921	FLD	408	408	1	715	-
VKL 190031	201931	FLD	427	427	1	711	-
VKL 180029	201829	FLD	518	491	2	711	-
VKL 180027	201827	FLD	460	529	2	707	-
VKL 170013	201713	FLD	463	497	3	681	-
VKL 170023	201723	FLD	360	432	3	670	13
VKL 190017	201917	FLD	383	484	2	652	-
VKL 180026	201826	FLD	540	552	2	645	-
201626	201626	FLD	489	471	4	644	14
VKL 160011	201611	FLD	415	509	4	644	25
VKL 180017	201817	FLD	454	409	3	614	-
VKL 190006	201906	FLD	515	515	1	606	-
201819	201819	FLD	520	500	2	601	-
VKL 170005	201705	FLD	585	783	2	595	16
VKL 180018	201818	FLD	366	411	2	593	-
201632	201632	FLD	477	496	4	590	10
VKL 200017	202017	FLD	383	383	1	587	-
VKL 190029	201929	FLD	669	669	1	584	11
VKL 190032	201932	FLD	672	672	1	583	5
VKL 200011	202011	FLD	539	539	1	583	-
201621	201621	FLD	606	505	4	555	-
VKL 180007	201807	FLD	549	698	2	543	15
201933	201933	FLD	405	405	1	541	-
VKL 200010	202010	FLD	437	437	1	540	-
VKL 200029	202029	FLD	402	402	1	535	19
201821	201821	FLD	576	594	2	533	20
VKL 210018	202118	FLD	-	-	-	532	-
VKL 200024	202024	FLD	509	509	1	528	2
201710	201710	FLD	602	476	4	527	22
VKL 210028	202128	FLD	-	-	-	527	-
VKL 220014	202214	FLD	-	-	-	523	13
202211	202211	FLD	-	-	-	521	-
VKL 220017	202217	FLD	-	-	-	519	15
VKL 160031	201631	FLD	524	507	4	518	14
VKL 220005	202205	FLD	-	-	-	500	12
201928	201928	FLD	655	655	1	484	10
VKL 180009	201809	FLD	504	622	2	484	19
202031	202031	FLD	640	640	1	483	-
202005	202005	FLD	359	389	2	473	-
201613	201613	FLD	423	550	4	467	3
VKL 170031	201731	FLD	393	496	3	444	23
VKL 170034	201734	FLD	514	598	3	443	12
202018	202018	FLD	548	548	1	437	11
202220	202220	FLD	-	-	-	436	12
201811	201811	FLD	376	541	3	433	15
202202	202202	FLD	-	-	-	422	10
202028	202028	FLD	372	372	1	411	14
VKL 220027	202227	FLD	-	-	-	410	12