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Logix Melk/Milk

Kudde Gesondheids Verslag / Herd Health Report

VERLORENKLOOF DEVELOPMENT

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Test-day: 2026-03-16

Friesland Cows

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HERD HEALTH SUMMARY REPORT

VERLORENKLOOF DEVELOPMENT - Friesland Cows

Table 1: Summary for Test-day 2026-03-16 (Number of Samples Tested: 52)

Analysis	Results	Norms*	% Cows outside norms*
Milk Production (kg)	Avg.: 17.7 Median: 17.2		
Butterfat (%)	Avg.: 4.48 Median: 4.37	3.5 % - 6.0 %	Too Low: 2 % Too High: 4 %
Protein (%)	Avg.: 3.67 Median: 3.56	3.0 % - 4.5 %	Too Low: 4 % Too High: 6 %
Lactose (%)	Avg.: 4.68 Median: 4.70	> 4.7 %	Too Low: 50 %
MUN (mg/dl)	Avg.: 14.87 Median: 15.00	8 - 16 mg/dl	Too Low: 0 % Too High: 23 %
SCC (x1000/ml)	Avg.: 597 Median: 134 % < 100 : 36.5 % % < 200 : 61.5 % % < 500 : 82.7 % % > 750 : 15.4 % % > 1 000 : 9.6 % % > 1 500 : 9.6 %	< 200 > 64 % > 75 % > 92 % < 4.8 % < 1 % NONE	Too High: 27.5 % Too High: 13.5 % Too High: 9.3 % Too High: 10.6 % Too High: 8.6 % Too High: 9.6 %
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 2026-03-16

Loss in Production due to:		Avg/Median SCC (Number (n)):	
SSC (kg per day):	79.8 (8.7 %)	1st Lact Cows:	429/81 (9)
DIM (kg per day):	294.5 (32.0 %)	2nd Lact Cows:	460/144 (14)
		3rd Lact Cows:	208/191 (12)
No. of Cows Under Pressure:	7 (13.5 %)	4th Lact Cows:	211/125 (7)
No. Cows with SCC > 200k:	20 (38.5 %)	5th Lact Cows:	140/129 (5)
No. Cows with SCC > 750k:	8 (15.4 %)	6+ Lact Cows:	3213/2559 (5)
No. New Infections:	3 (5.8 %)		
No. Recurring Infections:	12 (23.1 %)	Avg. SCC for SCC > 750k (n):	3018 (8)
Cure Rate for SCC > 200k:	20.0 % (3)		
Cure Rate for SCC > 750k:	12.5 % (1)	Avg. Days In Milk (DIM) for Herd:	264
No. Chronic Infections (SCC > 200k):	6 (11.5 %)	Median of DIM for Herd:	227
No. Chronic Infections (SCC > 750k):	4 (7.7 %)		
		Avg. DIM for SCC < 200k (n):	259 (32)
No. of Possible Ketosis Cases:	2	Avg. DIM for SCC > 200k and < 750k (n):	301 (12)
No. of Possible Acidosis Cases:	1	Avg. DIM for SCC > 750k (n):	232 (8)
Avg. Age at First Calf (Months):	33	Avg. Parity for Herd:	3
Avg. Inter-Calf Period (Days):	514	Avg. Parity for SCC < 200k:	3
No. Flushings:	NA	Avg. Parity for SCC > 200k and < 750k:	3
No. Embrios:	NA	Avg. Parity for SCC > 750k:	4

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	17.7	4.48	3.67	4.68	597	14.87
Top 25%	45.9	4.36	3.56	5.00	30	16.00
Breed Avg	38.7	3.92	3.32	4.84	364	13.20
Bottom 25%	32.6	3.38	3.04	4.73	220	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 52 Friesland Cows

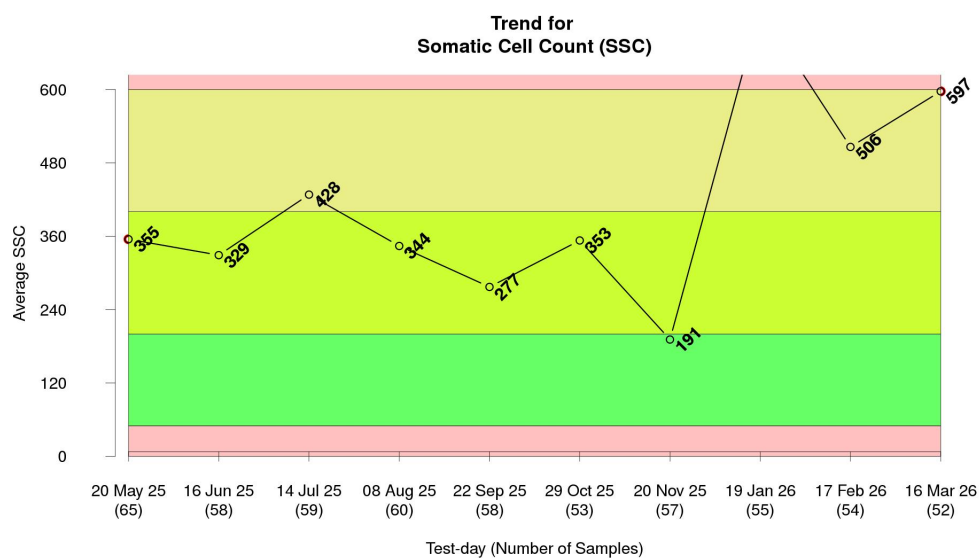
Lactation Group	% of Herd	Early Lactation	Mid Lactation	Late Lactation	% SCC > 200k	% SCC > 750k
1	17.3% (9)	5.8% (3)	5.8% (3)	5.8% (3)	3.8% (2)	1.9% (1)
2	26.9% (14)	7.7% (4)	5.8% (3)	13.5% (7)	11.5% (6)	5.8% (3)
3	23.1% (12)	7.7% (4)	1.9% (1)	13.5% (7)	11.5% (6)	0.0% (0)
4	13.5% (7)	1.9% (1)	1.9% (1)	9.6% (5)	1.9% (1)	1.9% (1)
5	9.6% (5)	1.9% (1)	0.0% (0)	7.7% (4)	1.9% (1)	0.0% (0)
6+	9.6% (5)	3.8% (2)	3.8% (2)	1.9% (1)	7.7% (4)	5.8% (3)
Herd	100% (52)	28.8% (15)	19.2% (10)	52% (27)	38.3% (20)	15.4% (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)	66.7% (2)	33.3% (1)	0.0% (0)	0.0% (0)
2	50.0% (2)	0.0% (0)	0.0% (0)	0.0% (0)	57.1% (4)	42.9% (3)
3	50.0% (2)	0.0% (0)	100.0% (1)	0.0% (0)	42.9% (3)	0.0% (0)
4	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	20.0% (1)	20.0% (1)
5	0.0% (0)	0.0% (0)	0% (0)	0% (0)	25.0% (1)	0.0% (0)
6+	100.0% (2)	100.0% (2)	100.0% (2)	50.0% (1)	0.0% (0)	0.0% (0)

Table 6: Bulk Tank Results for 2026-03-16 (Number of Samples Tested: 0)

Tank No	Butterfat (%)	Protein (%)	Lactose (%)	SCC (x1000/ml)	MUN (mg/dl)	pH
Calculated Tank	4.43	3.59	4.69	604	15	

**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.

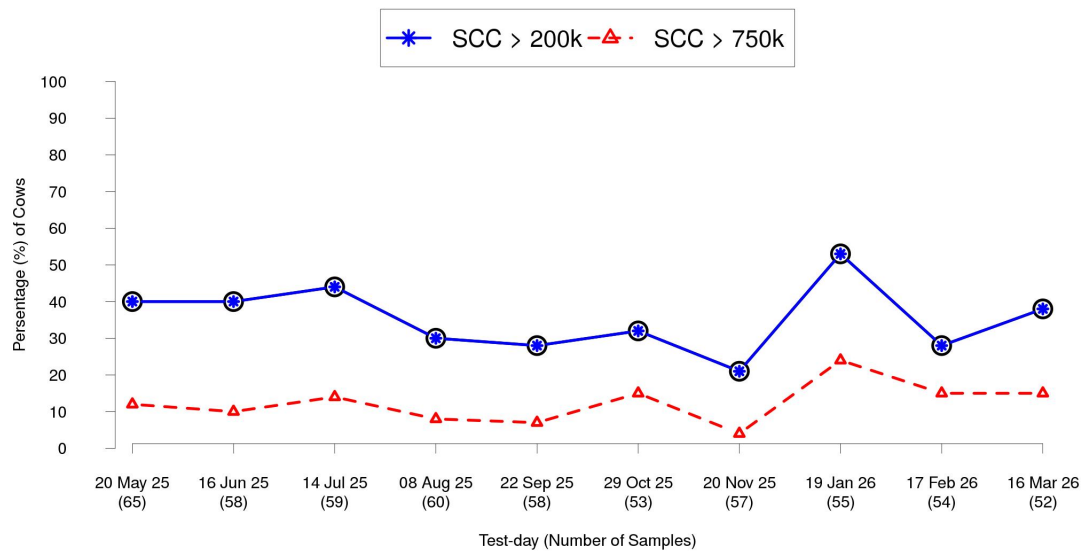


Figure 2: Percentage (%) of Cows with Somatic Cell Counts (SCC) more than 200k and 750k, respectively, per Test-day

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.

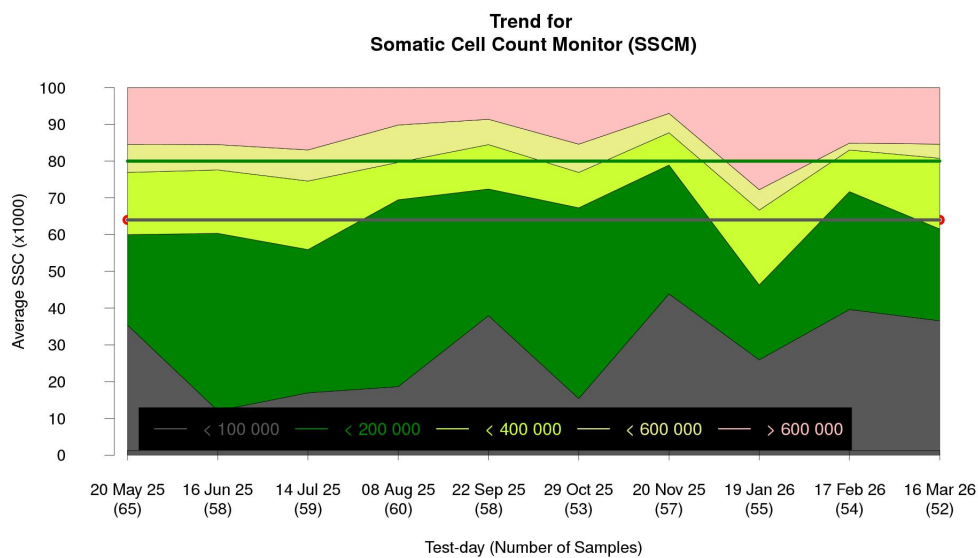


Figure 3: Somatic Cell Count (SCC) Monitor Trend

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.

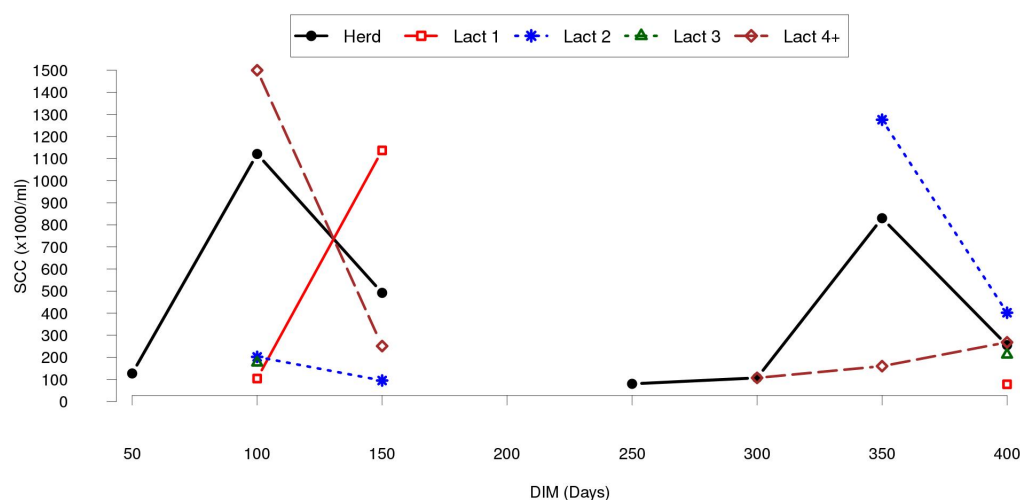


Figure 4: Average Somatic Cell Counts (SCC, x1000/ml) per Day In Milk (DIM)

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.

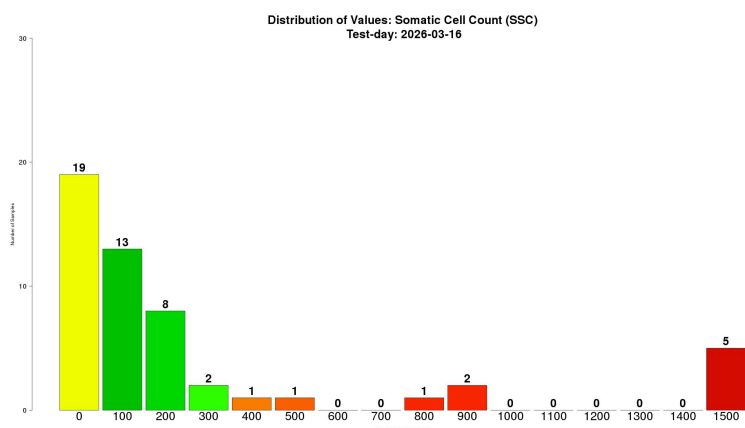


Figure 5: Somatic Cell Count (SCC) Distribution for Test-day (2026-03-16)

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 2026-03-16

SSC Levels	< 100k	100k - 200k	200k - 500k	500k - 800k	800k - 1 500k	> 1 500k
Number Cows	19	13	11	1	3	5
% Cows	36.5 %	25.0 %	21.2 %	1.9 %	5.8 %	9.6 %
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 2026-03-16 for the herd, was 597 000. 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
201626	201626	9310	4.14	76	6	17.4
201619	201619	3656	4.37	151	6	16.4
201710	201710	2559	4.59	77	6	16.8
202133	202133	985	4.57	308	2	15
201940	201940	983	4.47	405	2	29.2
201813	201813	813	4.47	378	4	11.6
201826	201826	556	4.50	688	3	25.2

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 2026-03-16	SCC 2026-02-17	SCC 2026-01-19	Production	DIM	Parity	Status
201626	201626	9310	9999	1670	17.4	76	6	C
201619	201619	3656	3410	1530	16.4	151	6	C
202318	202318	3061	110	460	23	107	1	R
202113	202113	2781	1500	1100	15	350	2	C
201710	201710	2559	1120	1580	16.8	77	6	C
202133	202133	985	60	270	15	308	2	R
201940	201940	983	-	-	29.2	405	2	R
201813	201813	813	190	160	11.6	378	4	R
201826	201826	556	-	-	25.2	688	3	R
201611	201611	439	400	2540	22	110	7	C
202024	202024	399	-	9999	9.8	571	2	R
202118	202118	330	260	-	17.6	53	3	N
201829	201829	297	-	-	24.4	754	3	R
202244	202244	296	140	400	16.8	125	1	R
202222	202222	271	120	600	17	81	2	R
201821	201821	250	90	190	18.8	576	3	R
202017	202017	247	60	-	25	48	3	N
202303	202303	246	100	270	21	75	2	R
202029	202029	230	170	80	15.8	128	3	N
201820	201820	211	220	340	12.6	398	5	CR

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
201710	201710	16.8	77	6	0.73	FLD
202128	202128	23	57	3	0.73	FLD

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

Cow ID	Name	Production	DIM	Parity	Prot % to Fat %
201731	201731	18	96	5	1.09

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 180027	201827	FLD	460	529	2	756	364

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
201921	201921	FLD	408	408	1	764	-
201829	201829	FLD	518	491	2	760	24.4
VKL 180027	201827	FLD	460	529	2	756	-
VKL 170023	201723	FLD	360	432	3	719	-
VKL 180026	201826	FLD	540	552	2	694	25.2
VKL 190006	201906	FLD	515	515	1	655	-
VKL 170005	201705	FLD	585	783	2	644	-
VKL 190029	201929	FLD	669	669	1	633	-
VKL 190032	201932	FLD	672	672	1	632	-
VKL 180007	201807	FLD	549	698	2	592	-
VKL 180021	201821	FLD	576	594	2	582	18.8
202024	202024	FLD	509	509	1	577	9.8
VKL 220014	202214	FLD	-	-	-	572	-
202217	202217	FLD	-	-	-	568	11.4
VKL 160031	201631	FLD	524	507	4	567	15
202205	202205	FLD	-	-	-	549	-
VKL 180009	201809	FLD	504	622	2	533	9.4
VKL 190028	201928	FLD	655	655	1	533	-
VKL 200031	202031	FLD	640	640	1	532	-
VKL 200005	202005	FLD	359	389	2	522	21.2
201734	201734	FLD	514	598	3	492	-
VKL 200018	202018	FLD	548	548	1	486	-
202220	202220	FLD	-	-	-	485	11
201811	201811	FLD	376	541	3	482	16
202028	202028	FLD	372	372	1	460	10
VKL 220027	202227	FLD	-	-	-	459	-
202019	202019	FLD	615	615	1	417	24.6
VKL 170032	201732	FLD	411	440	4	417	-
VKL 210015	202115	FLD	451	451	1	417	-
201908	201908	FLD	455	624	2	411	13.6
201940	201940	FLD	445	445	1	411	29.2
201902	201902	FLD	503	522	2	409	14
202101	202101	FLD	388	388	1	405	15.4
201820	201820	FLD	483	483	1	404	12.6