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SA STAMBOEK
STUD BOOK

Logix Melk/Milk

Kudde Gesondheids Verslag / Herd Health Report

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Test-day: 2025-02-16

Jersey Cows

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List of Tables

1	Summary for Test-day 2025-02-16 (Number of Samples Tested: 0)	2
2	Quantification of Specific Cases (% of herd) and Loss in Production on 2025-02-16	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 0 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 0 Jersey Cows	3
6	Bulk Tank Results for 2025-02-16 (Number of Samples Tested: 0)	3
7	Somatic Cell Count (SSC) distribution and Milk Loss Monitor 2025-02-16	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 (2025-02-16)	5

HERD HEALTH SUMMARY REPORT

REID - Jersey Cows

Table 1: Summary for Test-day 2025-02-16 (Number of Samples Tested: 0)

Analysis	Results	Norms*	% Cows outside norms*
Milk Production (kg)	Avg.: 21.3 Median: 22.0		
Butterfat (%)	Avg.: Median:	3.5 % - 6.0 %	Too Low: % Too High: %
Protein (%)	Avg.: Median:	3.0 % - 4.5 %	Too Low: % Too High: %
Lactose (%)	Avg.: Median:	> 4.7 %	Too Low: %
MUN (mg/dl)	Avg.: Median:	8 - 16 mg/dl	Too Low: % Too High: %
SCC (x1000/ml)	Avg.: Median: % < 100 : % % < 200 : % % < 500 : % % > 750 : % % > 1 000 : % % > 1 500 : %	< 200 > 64 % > 75 % > 92 % < 4.8 % < 1 % NONE	Too High: 64.0 % Too High: 75.0 % Too High: 92.0 % Too High: 0 % Too High: 0 % Too High: 0.0 %
Butterfat Protein ratio	Average:	> 1.0	Too High: %

Table 2: Quantification of Specific Cases (% of herd) and Loss in Production on 2025-02-16

Loss in Production due to:		Avg/Median SCC (Number (n)):	
SSC (kg per day):	0.0 (%)	1st Lact Cows:	0/ (0)
DIM (kg per day):	0.0 (%)	2nd Lact Cows:	0/ (0)
		3rd Lact Cows:	0/ (0)
No. of Cows Under Pressure:	0 (%)	4th Lact Cows:	0/ (0)
No. Cows with SCC > 200k:	0 (%)	5th Lact Cows:	0/ (0)
No. Cows with SCC > 750k:	0 (%)	6+ Lact Cows:	0/ (0)
No. New Infections:	0 (%)		
No. Recurring Infections:	0 (%)	Avg. SCC for SCC > 750k (n):	(0)
Cure Rate for SCC > 200k:	0.0 % (0)		
Cure Rate for SCC > 750k:	0.0 % (0)	Avg. Days In Milk (DIM) for Herd:	232
No. Chronic Infections (SCC > 200k):	0 (%)	Median of DIM for Herd:	217
No. Chronic Infections (SCC > 750k):	0 (%)		
		Avg. DIM for SCC < 200k (n):	(0)
No. of Possible Ketosis Cases:	0	Avg. DIM for SCC > 200k and < 750k (n):	(0)
No. of Possible Acidosis Cases:	0	Avg. DIM for SCC > 750k (n):	(0)
Avg. Age at First Calf (Months):	24	Avg. Parity for Herd:	4
Avg. Inter-Calf Period (Days):	483	Avg. Parity for SCC < 200k:	
No. Flushings:	NA	Avg. Parity for SCC > 200k and < 750k:	
No. Embrios:	NA	Avg. Parity for SCC > 750k:	

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	21.3					
Top 25%	25.9	5.74	4.20	4.85	37	17.10
Breed Avg	21.4	5.11	3.90	4.66	280	13.28
Bottom 25%	16.0	4.58	3.65	4.54	274	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 0 Jersey Cows

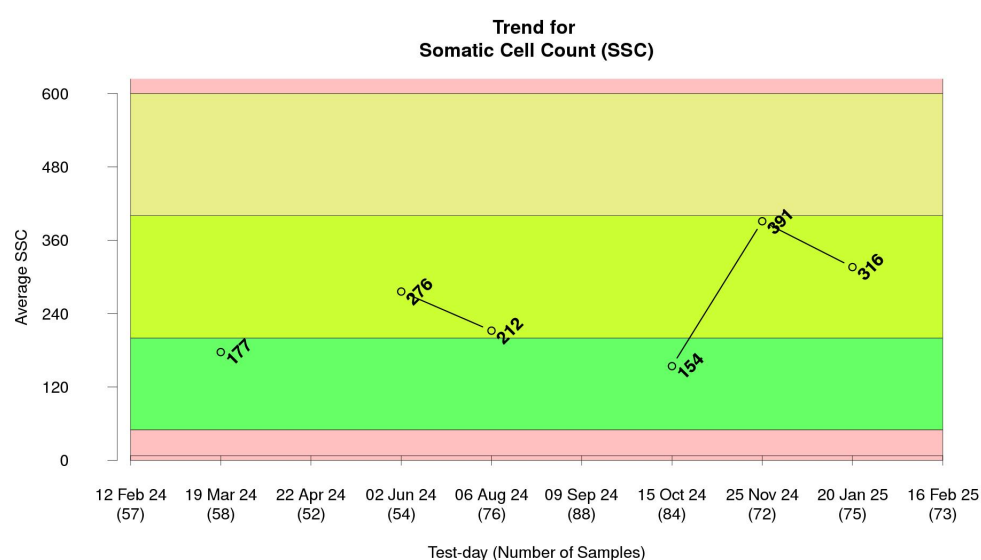
Lactation Group	% of Herd	Early Lactation	Mid Lactation	Late Lactation	% SCC > 200k	% SCC > 750k
1	0% (0)	0% (0)	0% (0)	0% (0)	0% ()	0% ()
2	0% (0)	0% (0)	0% (0)	0% (0)	0% ()	0% ()
3	0% (0)	0% (0)	0% (0)	0% (0)	0% ()	0% ()
4	0% (0)	0% (0)	0% (0)	0% (0)	0% ()	0% ()
5	0% (0)	0% (0)	0% (0)	0% (0)	0% ()	0% ()
6+	0% (0)	0% (0)	0% (0)	0% (0)	0% ()	0% ()
Herd	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)

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 0 Jersey 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% ()
2	0% ()	0% ()	0% ()	0% ()	0% ()	0% ()
3	0% ()	0% ()	0% ()	0% ()	0% ()	0% ()
4	0% ()	0% ()	0% ()	0% ()	0% ()	0% ()
5	0% ()	0% ()	0% ()	0% ()	0% ()	0% ()
6+	0% ()	0% ()	0% ()	0% ()	0% ()	0% ()

Table 6: Bulk Tank Results for 2025-02-16 (Number of Samples Tested: 0)

Tank No	Butterfat (%)	Protein (%)	Lactose (%)	SCC (x1000/ml)	MUN (mg/dl)	pH
Calculated Tank						

**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.

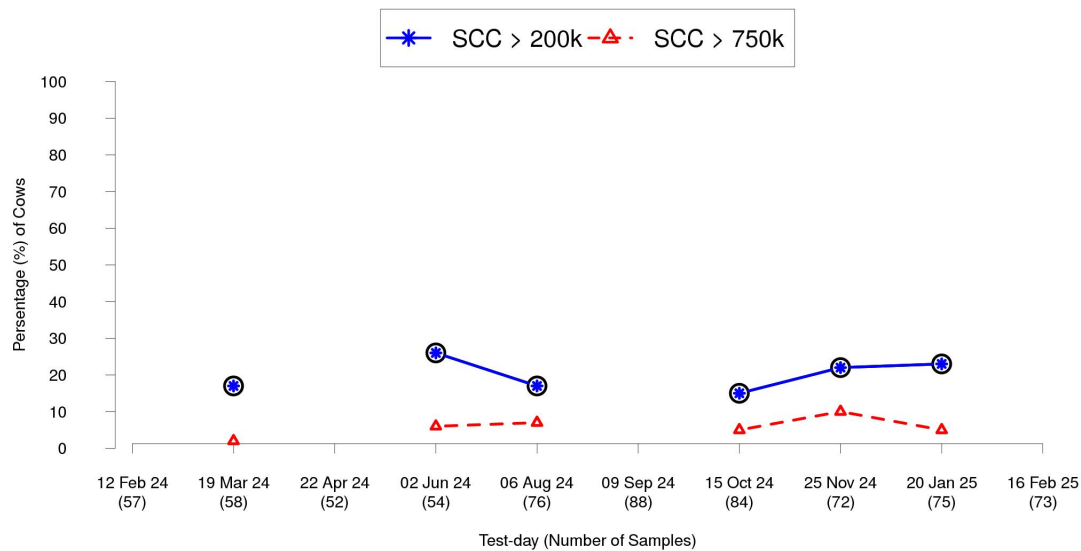


Figure 2: Percentage (%) of Cows with Somatic Cell Counts (SCC) more than 200k and 750k, respectively, per Test-day

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.

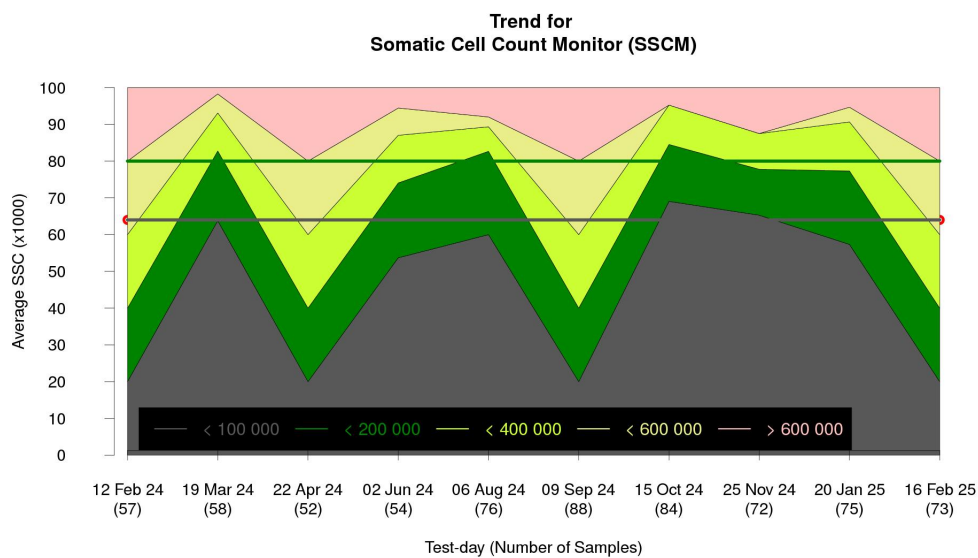


Figure 3: Somatic Cell Count (SCC) Monitor Trend

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.

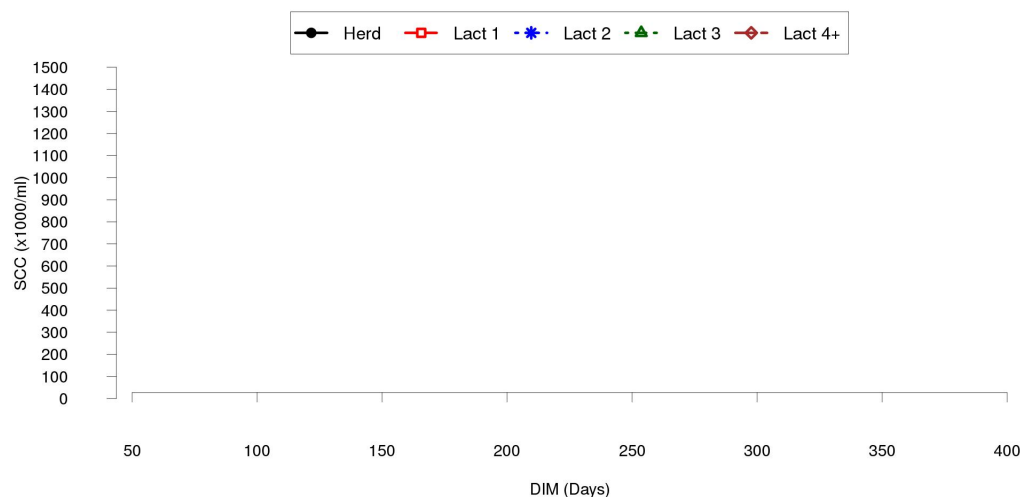


Figure 4: Average Somatic Cell Counts (SCC, x1000/ml) per Day In Milk (DIM)

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.

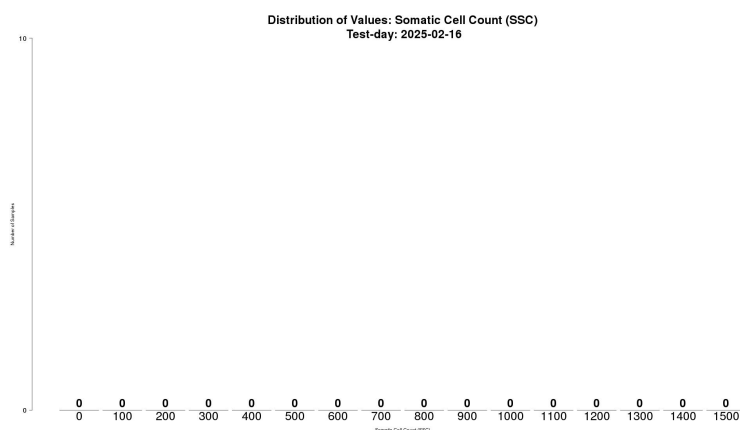


Figure 5: Somatic Cell Count (SCC) Distribution for Test-day (2025-02-16)

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 (SCC) distribution and Milk Loss Monitor 2025-02-16

SSC Levels	< 100k	100k - 200k	200k - 500k	500k - 800k	800k - 1 500k	> 1 500k
Number Cows	0	0	0	0	0	0
% Cows	%	%	%	%	%	%
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 2025-02-16 for the herd, was 000. This figure places the herd in the "Dark Green" SCC Zone and the milk quality is Excellent. Milk loss due to SCC is less than 2 %.

Udder Health: Very little mastitis is present. Monitor individual cows.

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

Cow ID	Name	SCC	Lactose %	DIM	Parity	Production
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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 2025-02-16	SCC 2025-01-20	SCC 2024-11-25	Production	DIM	Parity	Status
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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
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Table 11: Possible Acidosis Cases (Protein % > Butterfat %)

Cow ID	Name	Production	DIM	Parity	Prot % to Fat %
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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
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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
NEU 210023	DASH 111	JSE	-	-	-	775	19
NEU 200016	ROMA 50	JSE	-	-	-	729	10
NEU 140003	ZEN 8	JSE	424	425	6	709	-
NEU 190021	OVI 12	JSE	763	763	1	670	18
NEU 160028	LARIO 8	JSE	1481	924	2	642	19
1653	PUTT 9	JSE	540	417	4	631	-
NEU 170041	PUTT 22	JSE	357	386	4	614	-
1946	ROMA 6	JSE	401	380	2	603	23
NEU 170001	PUTT 10	JSE	402	848	2	570	-
1958	ROMA 12	JSE	436	420	2	542	18.4
NEU 210045	DASH 133	JSE	-	-	-	520	15
NEU 140018	HEK 1	JSE	937	656	4	446	22
1957	ROMA 11	JSE	478	431	2	442	34
1726	NOOK 4	JSE	560	433	4	422	20.4
NEU 150033	DOT 9	JSE	351	439	5	422	-
NEU 170008	NOOK 3	JSE	377	428	4	415	-
NEU 180003	HYKA 2	JSE	496	428	3	412	26
1925	OVI 16	JSE	551	521	2	410	-
2211	PUTT 165	JSE	-	-	-	405	-