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SA STAMBOEK
STUD BOOK

Logix Melk/Milk

Kudde Gesondheids Verslag / Herd Health Report

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Test-day: 2025-07-14

Jersey Cows

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HERD HEALTH SUMMARY REPORT

REID - Jersey Cows

Table 1: Summary for Test-day 2025-07-14 (Number of Samples Tested: 69)

Analysis	Results	Norms*	% Cows outside norms*
Milk Production (kg)	Avg.: 22.0 Median: 21.4		
Butterfat (%)	Avg.: 5.67 Median: 5.72	3.5 % - 6.0 %	Too Low: 0 % Too High: 38 %
Protein (%)	Avg.: 4.16 Median: 4.19	3.0 % - 4.5 %	Too Low: 0 % Too High: 20 %
Lactose (%)	Avg.: 4.51 Median: 4.51	> 4.7 %	Too Low: 75 %
MUN (mg/dl)	Avg.: 15.04 Median: 15.20	8 - 16 mg/dl	Too Low: 0 % Too High: 30 %
SCC (x1000/ml)	Avg.: 329 Median: 125 % < 100 : 46.4 % % < 200 : 63.8 % % < 500 : 91.3 % % > 750 : 5.8 % % > 1 000 : 5.8 % % > 1 500 : 2.9 %	< 200 > 64 % > 75 % > 92 % < 4.8 % < 1 % NONE	Too High: 17.6 % Too High: 11.2 % Too High: 0.7 % Too High: 1.0 % Too High: 4.8 % Too High: 2.9 %
Butterfat Protein ratio	Average: 1.4	> 1.0	Too High: 0.0 %

Table 2: Quantification of Specific Cases (% of herd) and Loss in Production on 2025-07-14

Loss in Production due to:		Avg/Median SCC (Number (n)):	
SSC (kg per day):	91.1 (6.0 %)	1st Lact Cows:	93/86 (12)
DIM (kg per day):	263.1 (17.3 %)	2nd Lact Cows:	57/41 (9)
No. of Cows Under Pressure:	5 (7.2 %)	3rd Lact Cows:	381/213 (18)
No. Cows with SCC > 200k:	25 (36.2 %)	4th Lact Cows:	174/156 (10)
No. Cows with SCC > 750k:	4 (5.8 %)	5th Lact Cows:	75/41 (5)
No. New Infections:	15 (21.7 %)	6+ Lact Cows:	808/313 (15)
No. Recurring Infections:	4 (5.8 %)	Avg. SCC for SCC > 750k (n):	3094 (4)
Cure Rate for SCC > 200k:	23.1 % (6)	Avg. Days In Milk (DIM) for Herd:	220
Cure Rate for SCC > 750k:	62.5 % (5)	Median of DIM for Herd:	185
No. Chronic Infections (SCC > 200k):	7 (10.1 %)	Avg. DIM for SCC < 200k (n):	205 (44)
No. Chronic Infections (SCC > 750k):	0 (0.0 %)	Avg. DIM for SCC > 200k and < 750k (n):	266 (21)
No. of Possible Ketosis Cases:	0	Avg. DIM for SCC > 750k (n):	134 (4)
No. of Possible Acidosis Cases:	0	Avg. Parity for Herd:	4
Avg. Age at First Calf (Months):	24	Avg. Parity for SCC < 200k:	3
Avg. Inter-Calf Period (Days):	464	Avg. Parity for SCC > 200k and < 750k:	4
No. Flushings:	NA	Avg. Parity for SCC > 750k:	6
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	22.0	5.67	4.16	4.51	329	15.04
Top 25%	25.7	6.18	4.48	4.68	46	16.50
Breed Avg	21.1	5.50	4.16	4.48	305	12.78
Bottom 25%	16.0	4.89	3.85	4.36	241	8.80

*** 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 69 Jersey Cows

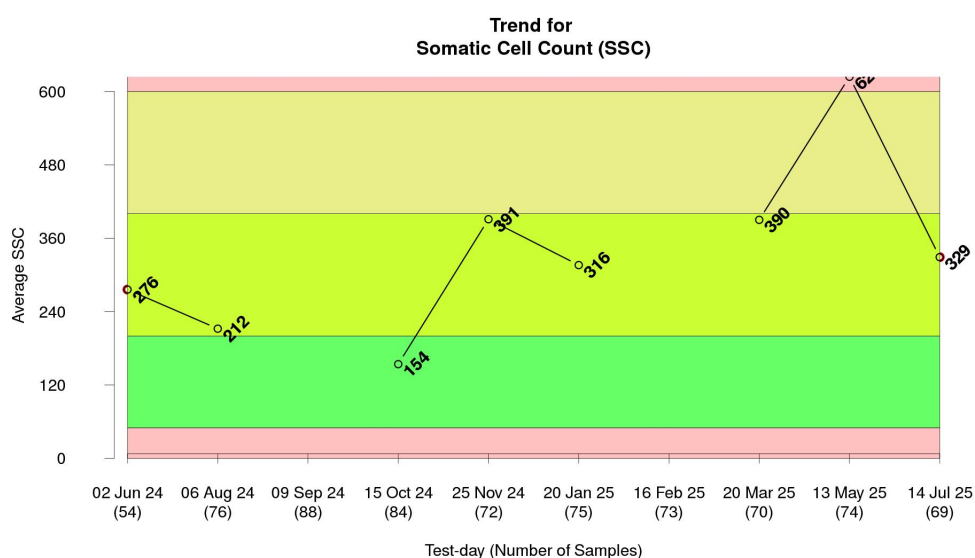
Lactation Group	% of Herd	Early Lactation	Mid Lactation	Late Lactation	% SCC > 200k	% SCC > 750k
1	17.4% (12)	2.9% (2)	1.4% (1)	13.0% (9)	1.4% (1)	0.0% ()
2	13.0% (9)	1.4% (1)	5.8% (4)	5.8% (4)	0.0% ()	0.0% ()
3	26.1% (18)	8.7% (6)	7.2% (5)	10.1% (7)	14.5% (10)	1.4% (1)
4	14.5% (10)	2.9% (2)	4.3% (3)	7.2% (5)	5.8% (4)	0.0% ()
5	7.2% (5)	1.4% (1)	2.9% (2)	2.9% (2)	1.4% (1)	0.0% ()
6+	21.7% (15)	5.8% (4)	7.2% (5)	8.7% (6)	13.0% (9)	4.3% (3)
Herd	99.9% (69)	23.1% (16)	28.8% (20)	47.7% (33)	36.1% (25)	5.7% (4)

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 69 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% ()	0.0% ()	11.1% (1)	0.0% ()
2	0.0% ()	0.0% ()	0.0% ()	0.0% ()	0.0% ()	0.0% ()
3	50.0% (3)	16.7% (1)	40.0% (2)	0.0% ()	71.4% (5)	0.0% ()
4	0.0% ()	0.0% ()	66.7% (2)	0.0% ()	40.0% (2)	0.0% ()
5	0.0% ()	0.0% ()	0.0% ()	0.0% ()	50.0% (1)	0.0% ()
6+	50.0% (2)	25.0% (1)	40.0% (2)	20.0% (1)	83.3% (5)	16.7% (1)

Table 6: Bulk Tank Results for 2025-07-14 (Number of Samples Tested: 0)

Tank No	Butterfat (%)	Protein (%)	Lactose (%)	SCC (x1000/ml)	MUN (mg/dl)	pH
Calculated Tank	5.56	4.08	4.54	403	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.

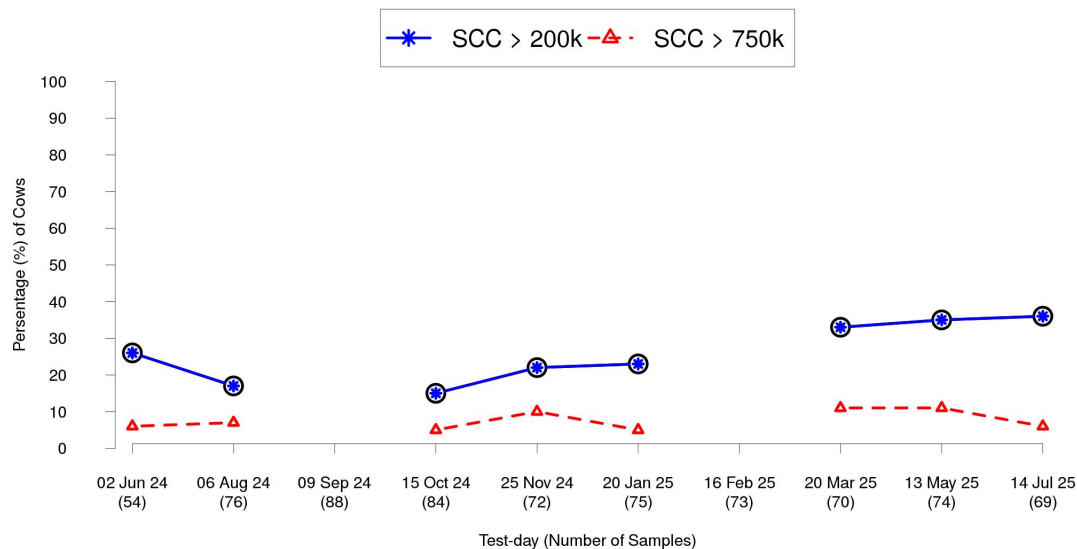


Figure 2: Percentage (%) of Cows with Somatic Cell Counts (SCC) more than 200k and 750k, respectively, per Test-day

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.

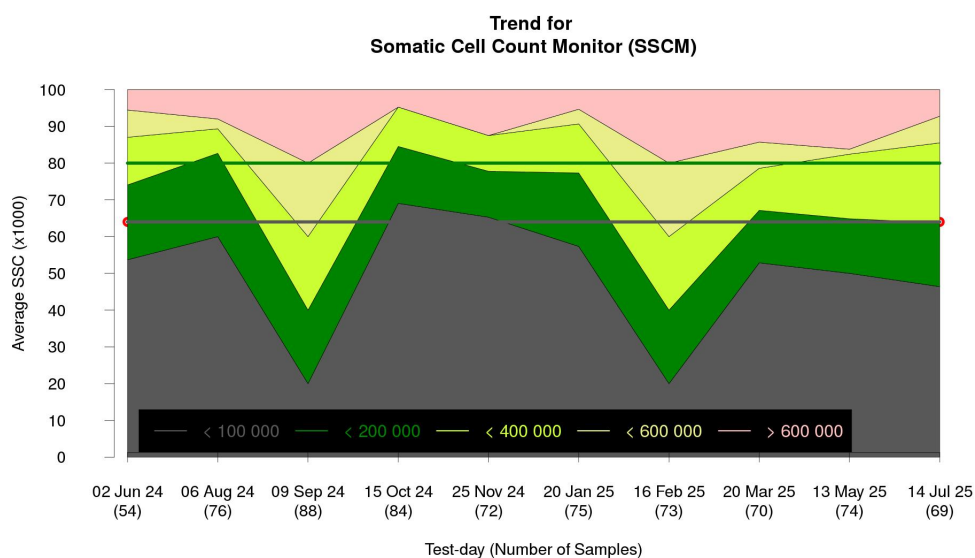


Figure 3: Somatic Cell Count (SCC) Monitor Trend

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.

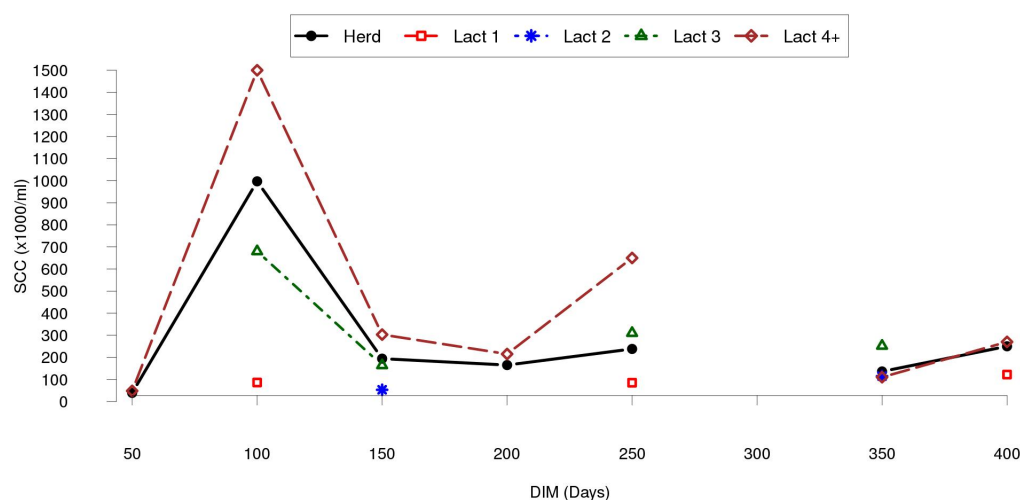


Figure 4: Average Somatic Cell Counts (SCC, x1000/ml) per Day In Milk (DIM)

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.

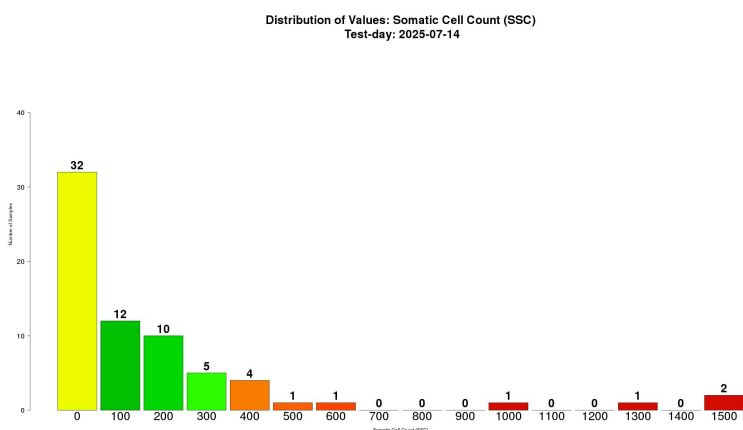


Figure 5: Somatic Cell Count (SCC) Distribution for Test-day (2025-07-14)

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 2025-07-14

SSC Levels	< 100k	100k - 200k	200k - 500k	500k - 800k	800k - 1 500k	> 1 500k
Number Cows	32	12	19	2	2	2
% Cows	46.4 %	17.4 %	27.5 %	2.9 %	2.9 %	2.9 %
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 2025-07-14 for the herd, was 329 000. 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
1519	DOT 5	6814	4.53	59	8	41
2134	GLOSS 122	3160	4.52	100	3	17.2
1741	PUTT 22	1308	4.57	147	6	23.4
1651	PUTT 7	1095	4.25	231	6	24.2
1628	LARIO 8	698	4.57	58	7	32

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 2025-07-14	SCC 2025-05-13	SCC 2025-03-20	Production	DIM	Parity	Status
1519	DOT 5	6814	-	-	41	59	8	N
2134	GLOSS 122	3160	872	-	17.2	100	3	N
1741	PUTT 22	1308	658	262	23.4	147	6	C
1651	PUTT 7	1095	665	1194	24.2	231	6	C
1628	LARIO 8	698	-	-	32	58	7	N
2137	GLOSS 125	588	79	-	15	209	3	N
2124	GLOSS 112	485	-	77	31	54	3	N
1418	HEK 1	452	283	4412	18.4	587	6	C
1957	ROMA 11	451	250	835	26.6	178	4	C
1521	JESS 1	440	248	53	15.8	398	7	N
1617	LARIO 3	382	1181	169	22.6	385	7	N
2042	PUTT 76	371	259	94	21	325	3	N
2018	SONY 52	347	65	33	23.4	248	3	N
2017	ROMA 51	340	9999	488	13.4	483	3	CR
1510	ZEN 17	313	636	37	21	153	8	N
2343	SILO 243	256	202	465	17.6	237	1	C
2107	HYKA 97	247	40	35	25.8	143	3	N
2048	VIOLA 82	240	34	-	24.2	85	3	N
1938	MIST 4	237	145	94	12.4	437	4	R
1946	ROMA 6	231	70	309	24.4	178	4	R
2056	AMY 90	224	110	611	20.4	231	3	R
1754	HUSK 6	209	285	231	8.8	423	5	C
1324	ZEN 6	207	2696	121	14	431	9	N
1914	HYKA 14	205	139	64	22.2	227	4	N
2106	AMY 96	201	58	-	26.4	114	3	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
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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
NEU 140003	ZEN 8	JSE	424	425	6	863	289
1701	PUTT 10	JSE	402	848	2	724	253
NEU 150033	DOT 9	JSE	351	439	5	576	212

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	-	-	-	929	13.6
NEU 140003	ZEN 8	JSE	424	425	6	863	-
1921	OVI 12	JSE	763	763	1	824	-
1701	PUTT 10	JSE	402	848	2	724	-
1418	HEK 1	JSE	937	656	4	600	18.4
1726	NOOK 4	JSE	560	433	4	576	-
NEU 150033	DOT 9	JSE	351	439	5	576	-
1811	PUTT 29	JSE	408	476	3	510	-
NEU 200017	ROMA 51	JSE	-	-	-	496	13.4
1643	PUTT 4	JSE	579	677	3	494	12.4
1746	NOOK 12	JSE	425	831	2	494	-
NEU 140005	ZEN 9	JSE	460	485	6	488	28
1322	ZEN 4	JSE	453	523	6	483	-
NEU 220023	PUTT 177	JSE	-	-	-	481	-
NEU 180030	ASH 6	JSE	434	446	3	461	-
1938	MIST 4	JSE	392	383	3	449	12.4
1324	ZEN 6	JSE	469	441	7	443	14
1754	HUSK 6	JSE	395	445	4	436	8.8
1847	VIOLA 4	JSE	786	680	2	434	18.4
1414	ZEN 10	JSE	477	412	7	433	-
2028	OVI 62	JSE	459	418	2	430	-
NEU 190019	HYKA 15	JSE	473	415	3	430	34.2
NEU 220038	OBAN 192	JSE	-	-	-	420	-
2240	OBAN 194	JSE	-	-	-	414	28.8
1521	JESS 1	JSE	465	413	6	411	15.8
1410	HOLM 2	JSE	459	483	6	411	-
1825	HYKA 10	JSE	389	362	4	411	25.2
NEU 190031	OVI 22	JSE	433	389	2	411	-
NEU 220056	PUTT 210	JSE	-	-	-	407	15.8
NEU 200010	NOOK 44	JSE	833	833	1	404	-