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SA STAMBOEK
STUD BOOK

Logix Melk/Milk

Kudde Gesondheids Verslag / Herd Health Report

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Test-day: 2025-03-20

Jersey Cows

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HERD HEALTH SUMMARY REPORT

REID - Jersey Cows

Table 1: Summary for Test-day 2025-03-20 (Number of Samples Tested: 70)

Analysis	Results	Norms*	% Cows outside norms*
Milk Production (kg)	Avg.: 21.1 Median: 20.7		
Butterfat (%)	Avg.: 5.41 Median: 5.47	3.5 % - 6.0 %	Too Low: 0 % Too High: 19 %
Protein (%)	Avg.: 4.07 Median: 4.02	3.0 % - 4.5 %	Too Low: 1 % Too High: 16 %
Lactose (%)	Avg.: 4.55 Median: 4.60	> 4.7 %	Too Low: 66 %
MUN (mg/dl)	Avg.: 14.59 Median: 14.40	8 - 16 mg/dl	Too Low: 0 % Too High: 31 %
SCC (x1000/ml)	Avg.: 390 Median: 94 % < 100 : 52.9 % % < 200 : 67.1 % % < 500 : 84.3 % % > 750 : 11.4 % % > 1 000 : 8.6 % % > 1 500 : 4.3 %	< 200 > 64 % > 75 % > 92 % < 4.8 % < 1 % NONE	Too High: 11.1 % Too High: 7.9 % Too High: 7.7 % Too High: 6.6 % Too High: 7.6 % Too High: 4.3 %
Butterfat Protein ratio	Average: 1.3	> 1.0	Too High: 0.0 %

Table 2: Quantification of Specific Cases (% of herd) and Loss in Production on 2025-03-20

Loss in Production due to:		Avg/Median SCC (Number (n)):	
SSC (kg per day):	98.5 (6.7 %)	1st Lact Cows:	172/41 (14)
DIM (kg per day):	295.4 (20.0 %)	2nd Lact Cows:	54/45 (11)
No. of Cows Under Pressure:	8 (11.4 %)	3rd Lact Cows:	209/101 (13)
No. Cows with SCC > 200k:	23 (32.9 %)	4th Lact Cows:	302/94 (11)
No. Cows with SCC > 750k:	8 (11.4 %)	5th Lact Cows:	770/235 (6)
No. New Infections:	19 (27.1 %)	6+ Lact Cows:	908/262 (15)
No. Recurring Infections:	4 (5.7 %)	Avg. SCC for SCC > 750k (n):	2286 (8)
Cure Rate for SCC > 200k:	- % (0)	Avg. Days In Milk (DIM) for Herd:	228
Cure Rate for SCC > 750k:	- % (0)	Median of DIM for Herd:	219
No. Chronic Infections (SCC > 200k):	0 (0.0 %)	Avg. DIM for SCC < 200k (n):	236 (47)
No. Chronic Infections (SCC > 750k):	0 (0.0 %)	Avg. DIM for SCC > 200k and < 750k (n):	204 (15)
No. of Possible Ketosis Cases:	6	Avg. DIM for SCC > 750k (n):	230 (8)
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):	481	Avg. Parity for SCC > 200k and < 750k:	5
No. Flushings:	NA	Avg. Parity for SCC > 750k:	5
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	21.1	5.41	4.07	4.55	390	14.59
Top 25%	25.9	5.74	4.31	4.85	38	17.42
Breed Avg	21.2	5.11	4.00	4.66	264	13.47
Bottom 25%	15.9	4.56	3.74	4.53	246	9.80

*** 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 70 Jersey Cows

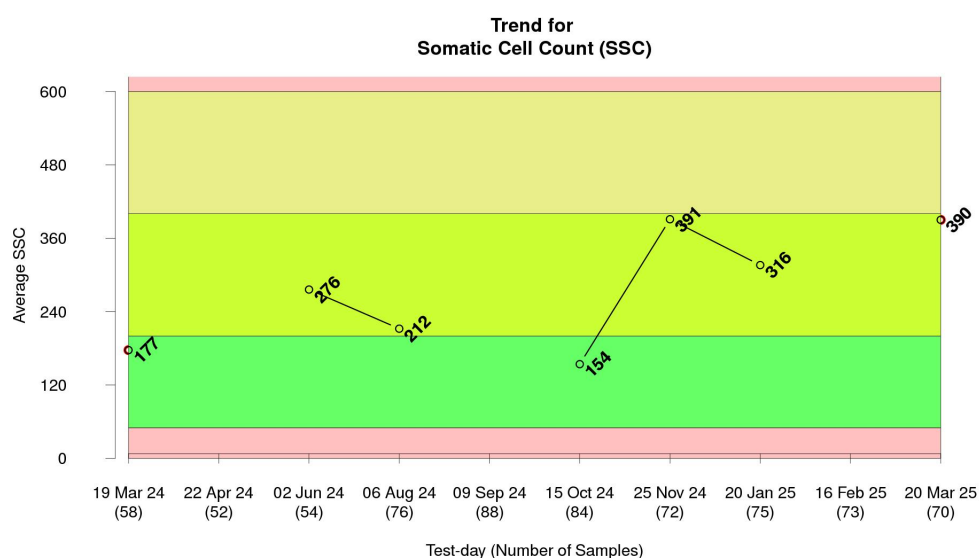
Lactation Group	% of Herd	Early Lactation	Mid Lactation	Late Lactation	% SCC > 200k	% SCC > 750k
1	20.0% (14)	2.9% (2)	8.6% (6)	8.6% (6)	2.9% (2)	1.4% (1)
2	15.7% (11)	1.4% (1)	5.7% (4)	8.6% (6)	0.0% (0)	0.0% (0)
3	18.6% (13)	4.3% (3)	4.3% (3)	10.0% (7)	7.1% (5)	0.0% (0)
4	15.7% (11)	2.9% (2)	1.4% (1)	11.4% (8)	4.3% (3)	2.9% (2)
5	8.6% (6)	1.4% (1)	0.0% (0)	7.1% (5)	5.7% (4)	1.4% (1)
6+	21.4% (15)	4.3% (3)	1.4% (1)	15.7% (11)	12.9% (9)	5.7% (4)
Herd	100% (70)	17.2% (12)	21.4% (15)	61.4% (43)	32.9% (23)	11.4% (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 70 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)	16.7% (1)	0.0% (0)	16.7% (1)	16.7% (1)
2	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
3	0.0% (0)	0.0% (0)	66.7% (2)	0.0% (0)	42.9% (3)	0.0% (0)
4	100.0% (2)	50.0% (1)	0.0% (0)	0.0% (0)	12.5% (1)	12.5% (1)
5	100.0% (1)	0.0% (0)	0% (0)	0% (0)	60.0% (3)	20.0% (1)
6+	66.7% (2)	33.3% (1)	100.0% (1)	100.0% (1)	54.5% (6)	18.2% (2)

Table 6: Bulk Tank Results for 2025-03-20 (Number of Samples Tested: 0)

Tank No	Butterfat (%)	Protein (%)	Lactose (%)	SCC (x1000/ml)	MUN (mg/dl)	pH
Calculated Tank	5.36	4.03	4.57	394	14	

**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.

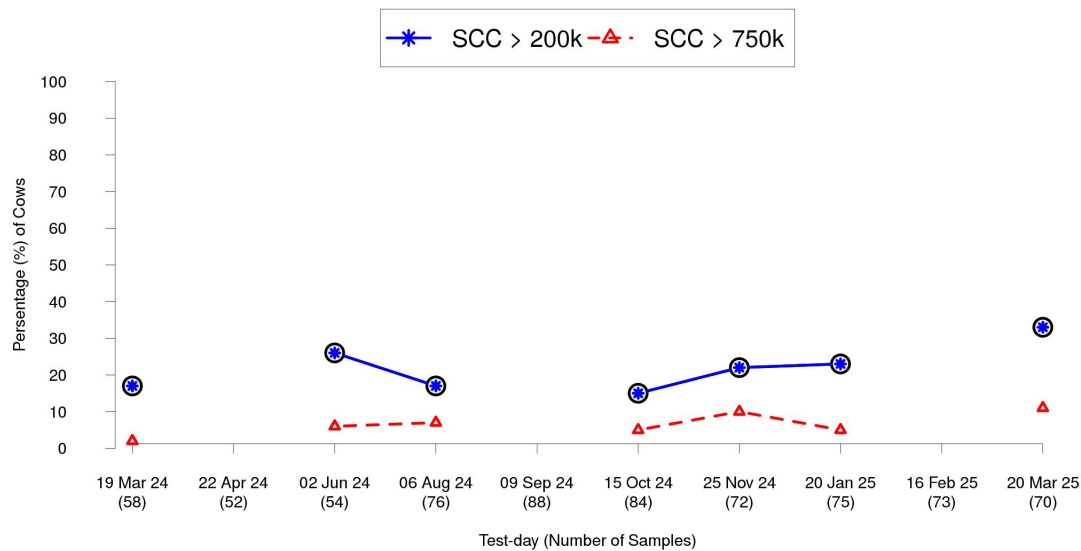


Figure 2: Percentage (%) of Cows with Somatic Cell Counts (SCC) more than 200k and 750k, respectively, per Test-day

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.

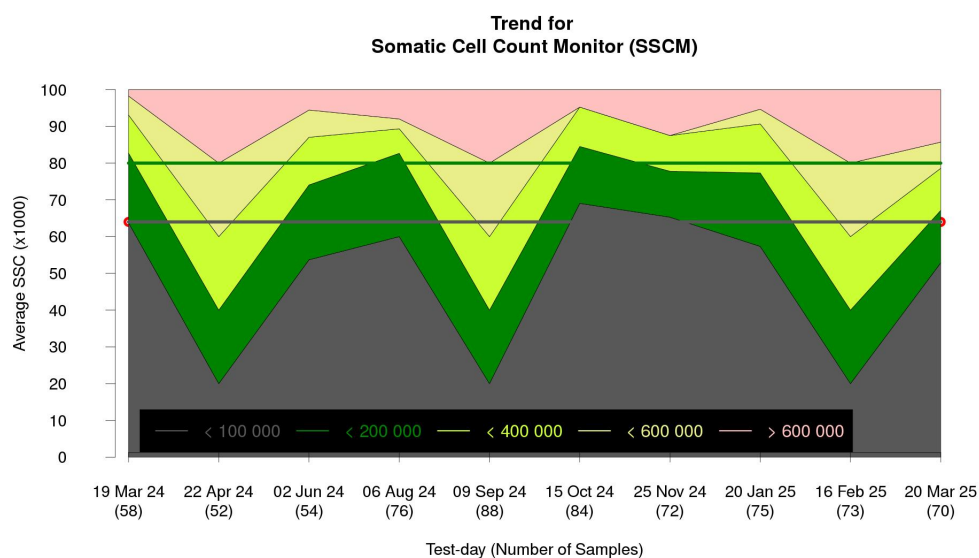


Figure 3: Somatic Cell Count (SCC) Monitor Trend

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.

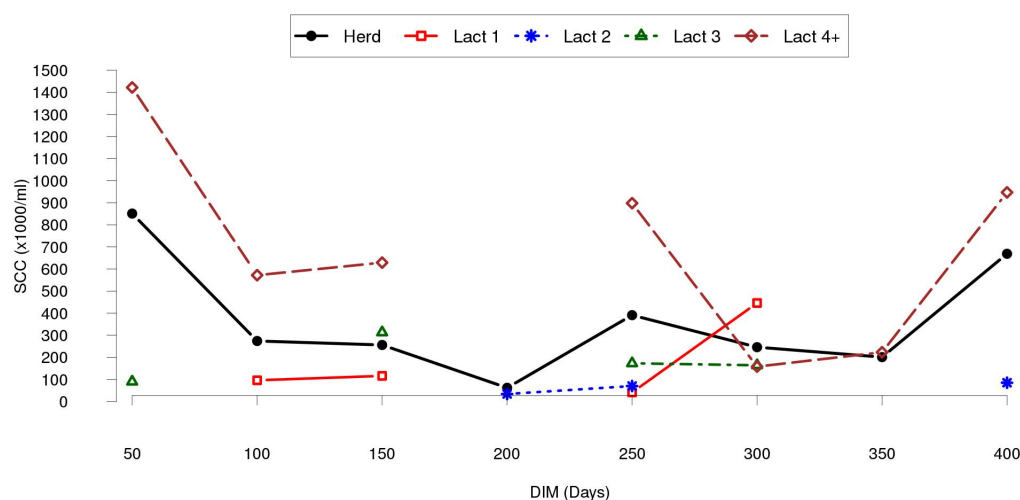


Figure 4: Average Somatic Cell Counts (SCC, x1000/ml) per Day In Milk (DIM)

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.

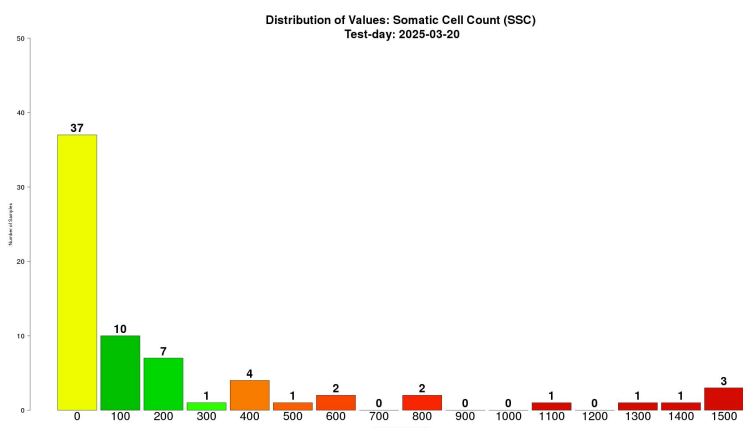


Figure 5: Somatic Cell Count (SCC) Distribution for Test-day (2025-03-20)

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 2025-03-20

SSC Levels	< 100k	100k - 200k	200k - 500k	500k - 800k	800k - 1 500k	> 1 500k
Number Cows	37	10	12	3	5	3
% Cows	52.9 %	14.3 %	17.1 %	4.3 %	7.1 %	4.3 %
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 2025-03-20 for the herd, was 390 000. 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
1418	HEK 1	4412	3.23	471	6	18
1808	CADDY 17	3409	4.34	204	5	22
1811	PUTT 29	1444	4.39	382	4	17
2256	PUTT 210	1307	4.13	279	1	16
1651	PUTT 7	1194	4.39	115	6	28
1414	ZEN 10	809	4.31	304	8	19
1304	MAYO 3	615	4.55	210	9	26.2
2056	AMY 90	611	4.52	115	3	27

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 2025-03-20	SCC 2025-02-16	SCC 2025-01-20	Production	DIM	Parity	Status
1708	NOOK 3	4875	-	-	22.4	21	6	N
1418	HEK 1	4412	-	758	18	471	6	N
1808	CADDY 17	3409	-	31	22	204	5	N
1811	PUTT 29	1444	-	111	17	382	4	N
2256	PUTT 210	1307	-	47	16	279	1	N
1651	PUTT 7	1194	-	569	28	115	6	N
1957	ROMA 11	835	-	-	34	62	4	N
1414	ZEN 10	809	-	178	19	304	8	R
1304	MAYO 3	615	-	1429	26.2	210	9	N
2056	AMY 90	611	-	78	27	115	3	N
1813	ASH 3	516	-	-	32.4	34	5	N
2027	PUTT 61	488	-	20	10	249	3	N
2017	ROMA 51	488	-	156	19	367	3	R
2343	SILO 243	465	-	89	19	121	1	N
1322	ZEN 4	406	-	223	22.4	355	9	N
1946	ROMA 6	309	-	-	33	62	4	N
1963	HAYLEY 5	296	-	23	18.2	122	3	N
1410	HOLM 2	291	-	118	15	282	8	R
2010	NOOK 44	266	-	123	16	276	3	R
1741	PUTT 22	262	-	-	26	31	6	N
1825	HYKA 10	239	-	435	19.6	282	5	N
1704	LUPIN 6	235	-	289	23.4	247	6	N
1754	HUSK 6	231	-	236	19.4	307	5	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
1741	PUTT 22	26	31	6	0.63	JSE
2109	ROMA 99	26	22	3	0.63	JSE
2153	NESS 141	23.4	69	2	0.66	JSE
1813	ASH 3	32.4	34	5	0.66	JSE
2107	HYKA 97	26.2	27	3	0.67	JSE
1957	ROMA 11	34	62	4	0.68	JSE

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
2123	DASH 111	JSE	-	-	-	803	19.4
NEU 200016	ROMA 50	JSE	-	-	-	757	-
NEU 140003	ZEN 8	JSE	424	425	6	737	-
1921	OVI 12	JSE	763	763	1	698	16.4
1628	LARIO 8	JSE	1481	924	2	670	-
1653	PUTT 9	JSE	540	417	4	659	-
1741	PUTT 22	JSE	357	386	4	642	26
1701	PUTT 10	JSE	402	848	2	598	-
NEU 190058	ROMA 12	JSE	436	420	2	570	-
NEU 140018	HEK 1	JSE	937	656	4	474	18
NEU 170026	NOOK 4	JSE	560	433	4	450	17.4
1533	DOT 9	JSE	351	439	5	450	-
NEU 170008	NOOK 3	JSE	377	428	4	443	22.4
1925	OVI 16	JSE	551	521	2	438	-
2211	PUTT 165	JSE	-	-	-	433	-
NEU 200051	PUTT 85	JSE	362	362	1	426	-
2048	VIOLA 82	JSE	535	535	1	422	-
2106	AMY 96	JSE	476	476	1	421	-
1519	DOT 5	JSE	678	469	5	412	-
2055	ROMA 89	JSE	541	541	1	409	-