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SA STAMBOEK
STUD BOOK

Logix *Melk/Milk*

Kudde Gesondheids Verslag / Herd Health Report

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Test-day: 2025-09-16

Jersey Cows

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HERD HEALTH SUMMARY REPORT

REID - Jersey Cows

Table 1: Summary for Test-day 2025-09-16 (Number of Samples Tested: 73)

Analysis	Results	Norms*	% Cows outside norms*
Milk Production (kg)	Avg.: 24.1 Median: 23.4		
Butterfat (%)	Avg.: 5.26 Median: 5.31	3.5 % - 6.0 %	Too Low: 0 % Too High: 14 %
Protein (%)	Avg.: 4.09 Median: 4.06	3.0 % - 4.5 %	Too Low: 0 % Too High: 19 %
Lactose (%)	Avg.: 4.62 Median: 4.62	> 4.7 %	Too Low: 62 %
MUN (mg/dl)	Avg.: 14.28 Median: 14.70	8 - 16 mg/dl	Too Low: 0 % Too High: 12 %
SCC (x1000/ml)	Avg.: 190 Median: 112 % < 100 : 47.9 % % < 200 : 74.0 % % < 500 : 93.2 % % > 750 : 2.7 % % > 1 000 : 2.7 % % > 1 500 : 1.4 %	< 200 > 64 % > 75 % > 92 % < 4.8 % < 1 % NONE	Too High: 16.1 % Too High: 1.0 % Too High: 0 % Too High: 0 % Too High: 1.7 % Too High: 1.4 %
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 2025-09-16

Loss in Production due to:		Avg/Median SCC (Number (n)):	
SSC (kg per day):	70.4 (4.0 %)	1st Lact Cows:	65/50 (13)
DIM (kg per day):	416.4 (23.7 %)	2nd Lact Cows:	55/50 (8)
No. of Cows Under Pressure:	5 (6.8 %)	3rd Lact Cows:	166/114 (19)
No. Cows with SCC > 200k:	19 (26.0 %)	4th Lact Cows:	284/248 (12)
No. Cows with SCC > 750k:	2 (2.7 %)	5th Lact Cows:	191/115 (6)
No. New Infections:	9 (12.3 %)	6+ Lact Cows:	324/138 (15)
No. Recurring Infections:	4 (5.5 %)	Avg. SCC for SCC > 750k (n):	1669 (2)
Cure Rate for SCC > 200k:	40.0 % (10)	Avg. Days In Milk (DIM) for Herd:	239
Cure Rate for SCC > 750k:	75.0 % (3)	Median of DIM for Herd:	207
No. Chronic Infections (SCC > 200k):	7 (9.6 %)	Avg. DIM for SCC < 200k (n):	223 (54)
No. Chronic Infections (SCC > 750k):	0 (0.0 %)	Avg. DIM for SCC > 200k and < 750k (n):	289 (17)
No. of Possible Ketosis Cases:	0	Avg. DIM for SCC > 750k (n):	266 (2)
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):	461	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	24.1	5.26	4.09	4.62	190	14.28
Top 25%	26.7	6.18	4.37	4.72	44	17.10
Breed Avg	22.4	5.35	4.00	4.54	257	12.13
Bottom 25%	17.3	4.78	3.73	4.44	269	8.14

*** 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 73 Jersey Cows

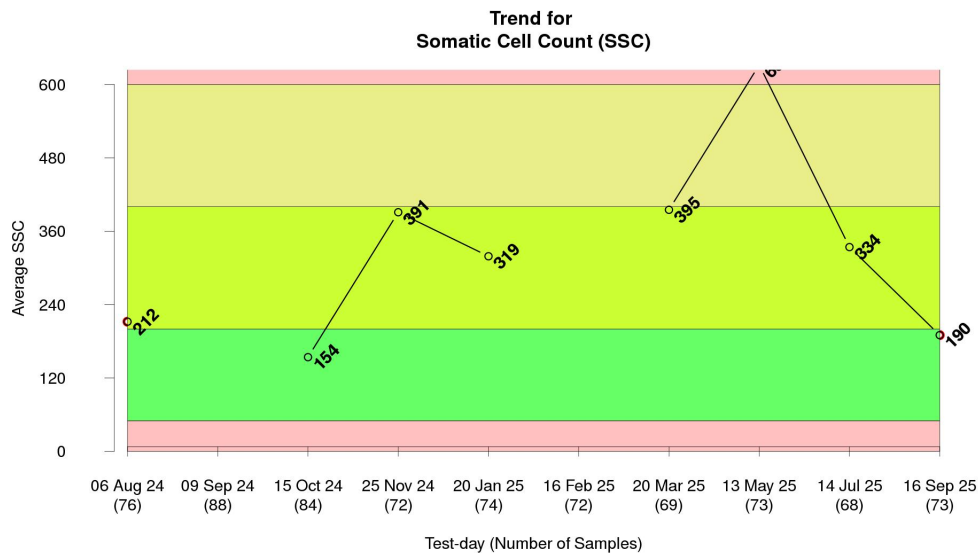
Lactation Group	% of Herd	Early Lactation	Mid Lactation	Late Lactation	% SCC > 200k	% SCC > 750k
1	17.8% (13)	1.4% (1)	5.5% (4)	11.0% (8)	0.0% ()	0.0% ()
2	11.0% (8)	2.7% (2)	5.5% (4)	2.7% (2)	0.0% ()	0.0% ()
3	26.0% (19)	2.7% (2)	9.6% (7)	13.7% (10)	9.6% (7)	0.0% ()
4	16.4% (12)	2.7% (2)	4.1% (3)	9.6% (7)	9.6% (7)	1.4% (1)
5	8.2% (6)	2.7% (2)	0.0% (0)	5.5% (4)	1.4% (1)	0.0% ()
6+	20.5% (15)	4.1% (3)	4.1% (3)	12.3% (9)	5.5% (4)	1.4% (1)
Herd	99.9% (73)	16.3% (12)	28.8% (21)	54.8% (40)	26.1% (19)	2.8% (2)

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 73 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% ()	0.0% ()	0.0% ()
2	0.0% ()	0.0% ()	0.0% ()	0.0% ()	0.0% ()	0.0% ()
3	0.0% ()	0.0% ()	42.9% (3)	0.0% ()	40.0% (4)	0.0% ()
4	0.0% ()	0.0% ()	66.7% (2)	0.0% ()	71.4% (5)	14.3% (1)
5	0.0% ()	0.0% ()	0% ()	0% ()	25.0% (1)	0.0% ()
6+	33.3% (1)	0.0% ()	33.3% (1)	33.3% (1)	22.2% (2)	0.0% ()

Table 6: Bulk Tank Results for 2025-09-16 (Number of Samples Tested: 1)

Tank No	Butterfat (%)	Protein (%)	Lactose (%)	SCC (x1000/ml)	MUN (mg/dl)	pH
Calculated Tank	5.17	4.03	4.65	179	14	
74 Tank	5.11	4.07	4.65	158	13.6	

**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.

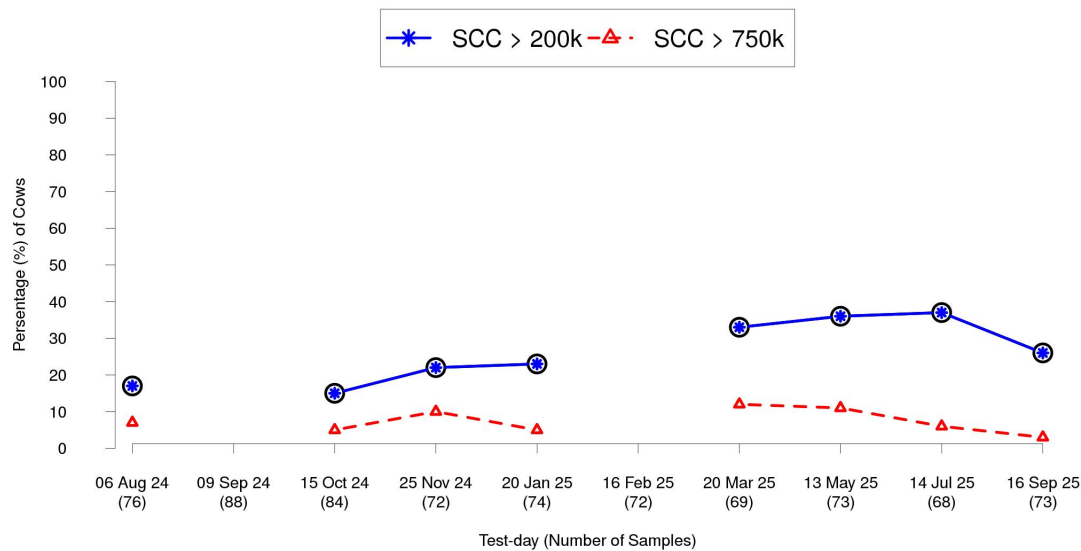


Figure 2: Percentage (%) of Cows with Somatic Cell Counts (SCC) more than 200k and 750k, respectively, per Test-day

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.

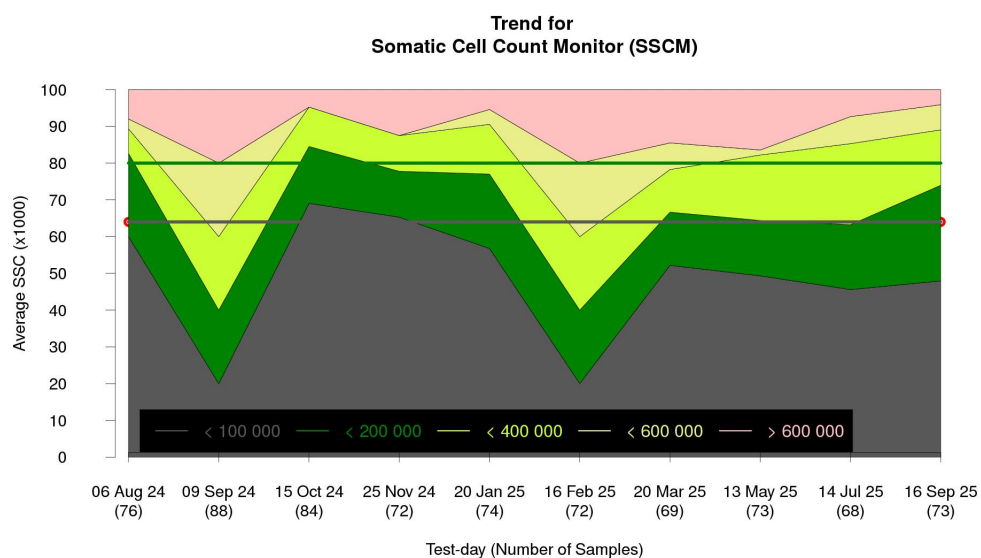


Figure 3: Somatic Cell Count (SCC) Monitor Trend

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.

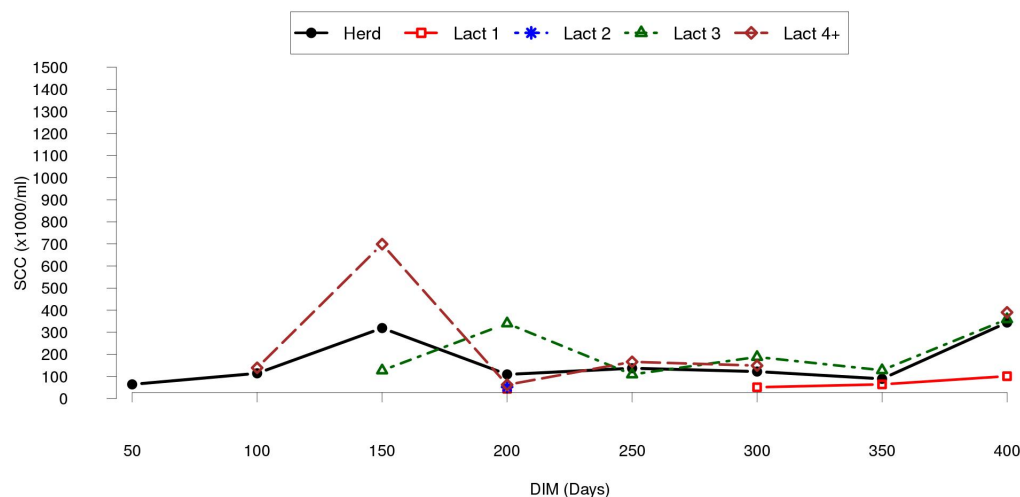


Figure 4: Average Somatic Cell Counts (SCC, x1000/ml) per Day In Milk (DIM)

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.

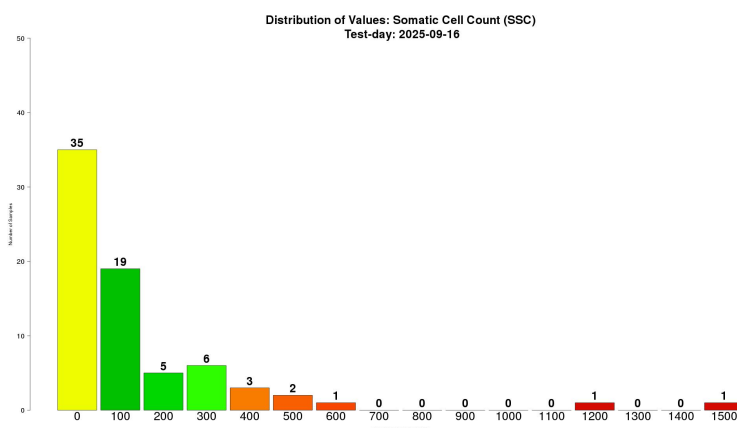


Figure 5: Somatic Cell Count (SCC) Distribution for Test-day (2025-09-16)

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 2025-09-16

SSC Levels	< 100k	100k - 200k	200k - 500k	500k - 800k	800k - 1 500k	> 1 500k
Number Cows	35	19	14	3	1	1
% Cows	47.9 %	26.0 %	19.2 %	4.1 %	1.4 %	1.4 %
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 2025-09-16 for the herd, was 190 000. This figure places the herd in the "Light Green" SCC Zone and the milk quality is Very Good. Milk loss due to SCC is between 2 and 4 %.

Udder Health: You do not have a major mastitis problem but there may be problems with individual cows. Assess your mastitis control procedures.

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

Cow ID	Name	SCC	Lactose %	DIM	Parity	Production
1519	DOT 5	2125	4.52	123	8	26
1942	ROMA 4	1213	4.43	408	4	20
1754	HUSK 6	657	4.14	487	5	5.6
1617	LARIO 3	570	4.52	449	7	23
1521	JESS 1	507	4.52	462	7	14.8

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 2025-09-16	SCC 2025-07-14	SCC 2025-05-13	Production	DIM	Parity	Status
1519	DOT 5	2125	6814	-	26	123	8	N
1942	ROMA 4	1213	129	72	20	408	4	N
1754	HUSK 6	657	209	285	5.6	487	5	C
1617	LARIO 3	570	382	1181	23	449	7	C
1521	JESS 1	507	440	248	14.8	462	7	C
2134	GLOSS 122	471	3160	872	19.8	164	3	C
1825	HYKA 10	441	56	-	31	94	6	N
2017	XF 1 ROMA 51	403	340	9999	12	547	3	CR
1938	MIST 4	390	237	145	16.4	501	4	R
1957	ROMA 11	341	451	250	26.8	242	4	C
2056	AMY 90	338	224	110	18.6	295	3	R
1958	ROMA 12	319	182	-	32.6	131	4	N
2042	PUTT 76	315	371	259	21.4	389	3	C
1914	HYKA 14	301	205	139	19.6	291	4	N
2124	GLOSS 112	281	485	-	34.8	118	3	N
1946	ROMA 6	273	231	70	27	242	4	R
2109	ROMA 99	225	151	22	19	202	3	N
2016	ROMA 50	223	20	-	38.4	119	4	N
2106	AMY 96	208	201	58	30	178	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	919	347
1701	PUTT 10	JSE	402	848	2	780	311
NEU 150033	DOT 9	JSE	351	439	5	632	270
NEU 220023	PUTT 177	JSE	-	-	-	537	214
2028	OVI 62	JSE	459	418	2	486	187
NEU 210045	DASH 133	JSE	487	487	1	243	187

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	-	-	-	985	13.6
NEU 140003	ZEN 8	JSE	424	425	6	919	-
1921	OVI 12	JSE	763	763	1	880	-
1701	PUTT 10	JSE	402	848	2	780	-
1418	HEK 1	JSE	937	656	4	656	-
NEU 170026	NOOK 4	JSE	560	433	4	632	37.8
NEU 150033	DOT 9	JSE	351	439	5	632	-
NEU 180011	PUTT 29	JSE	408	476	3	566	33.8
2017	XF 1 ROMA 51	JSE	-	-	-	552	12
1746	NOOK 12	JSE	425	831	2	550	-
NEU 160043	PUTT 4	JSE	579	677	3	550	13.6
NEU 130022	ZEN 4	JSE	453	523	6	539	-
NEU 220023	PUTT 177	JSE	-	-	-	537	-
NEU 180030	ASH 6	JSE	434	446	3	517	-
1938	MIST 4	JSE	392	383	3	505	16.4
NEU 130024	ZEN 6	JSE	469	441	7	499	13.8
1754	HUSK 6	JSE	395	445	4	492	5.6
1847	VIOLA 4	JSE	786	680	2	490	17.4
NEU 140014	ZEN 10	JSE	477	412	7	489	-
2028	OVI 62	JSE	459	418	2	486	-
2238	OBAN 192	JSE	-	-	-	476	27.8
1410	HOLM 2	JSE	459	483	6	467	-
NEU 150021	JESS 1	JSE	465	413	6	467	14.8
NEU 190031	OVI 22	JSE	433	389	2	467	40.4
2256	PUTT 210	JSE	-	-	-	463	-
NEU 200010	NOOK 44	JSE	833	833	1	460	24.6
1617	LARIO 3	JSE	481	564	4	453	23
NEU 190044	CILA 8	JSE	377	380	3	448	-
NEU 200027	PUTT 61	JSE	364	434	2	434	-
NEU 210029	GLOSS 117	JSE	-	-	-	432	35
1704	LUPIN 6	JSE	491	413	5	432	-
NEU 230023	JOJO 240	JSE	-	-	-	421	-
NEU 190042	ROMA 4	JSE	369	392	3	413	20
1951	ROMA 8	JSE	573	573	1	404	-
1949	HYKA 17	JSE	390	563	2	403	-
1967	ROMA 18	JSE	464	508	2	400	-