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Logix Melk/Milk

Kudde Gesondheids Verslag / Herd Health Report

VOORBERG GEVANGENIS

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Test-day: 2025-08-04

Holstein Cows

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HERD HEALTH SUMMARY REPORT

VOORBERG GEVANGENIS - Holstein Cows

Table 1: Summary for Test-day 2025-08-04 (Number of Samples Tested: 50)

Analysis	Results	Norms*	% Cows outside norms*
Milk Production (kg)	Avg.: 19.5 Median: 19.0		
Butterfat (%)	Avg.: 3.96 Median: 3.90	3.5 % - 6.0 %	Too Low: 20 % Too High: 0 %
Protein (%)	Avg.: 3.42 Median: 3.32	3.0 % - 4.5 %	Too Low: 16 % Too High: 0 %
Lactose (%)	Avg.: 4.61 Median: 4.63	> 4.7 %	Too Low: 62 %
MUN (mg/dl)	Avg.: 14.95 Median: 15.70	8 - 16 mg/dl	Too Low: 0 % Too High: 38 %
SCC (x1000/ml)	Avg.: 195 Median: 71 % < 100 : 64.0 % % < 200 : 78.0 % % < 500 : 94.0 % % > 750 : 4.0 % % > 1 000 : 4.0 % % > 1 500 : 4.0 %	< 200 > 64 % > 75 % > 92 % < 4.8 % < 1 % NONE	Too High: 0.0 % Too High: 0 % Too High: 0 % Too High: 0 % Too High: 3.0 % Too High: 4.0 %
Butterfat Protein ratio	Average: 1.2	> 1.0	Too High: 14.0 %

Table 2: Quantification of Specific Cases (% of herd) and Loss in Production on 2025-08-04

Loss in Production due to:		Avg/Median SCC (Number (n)):	
SSC (kg per day):	39.0 (4.0 %)	1st Lact Cows:	343/51 (11)
DIM (kg per day):	448.5 (46.0 %)	2nd Lact Cows:	70/44 (9)
No. of Cows Under Pressure:	2 (4.0 %)	3rd Lact Cows:	158/144 (15)
No. Cows with SCC > 200k:	11 (22.0 %)	4th Lact Cows:	102/65 (7)
No. Cows with SCC > 750k:	2 (4.0 %)	5th Lact Cows:	395/116 (5)
No. New Infections:	9 (18.0 %)	6+ Lact Cows:	89/54 (3)
No. Recurring Infections:	0 (0.0 %)	Avg. SCC for SCC > 750k (n):	2256 (2)
Cure Rate for SCC > 200k:	20.0 % (2)	Avg. Days In Milk (DIM) for Herd:	306
Cure Rate for SCC > 750k:	33.3 % (1)	Median of DIM for Herd:	269
No. Chronic Infections (SCC > 200k):	2 (4.0 %)	Avg. DIM for SCC < 200k (n):	308 (39)
No. Chronic Infections (SCC > 750k):	2 (4.0 %)	Avg. DIM for SCC > 200k and < 750k (n):	242 (9)
No. of Possible Ketosis Cases:	0	Avg. DIM for SCC > 750k (n):	362 (2)
No. of Possible Acidosis Cases:	7	Avg. Parity for Herd:	3
Avg. Age at First Calf (Months):	28	Avg. Parity for SCC < 200k:	3
Avg. Inter-Calf Period (Days):	552	Avg. Parity for SCC > 200k and < 750k:	3
No. Flushings:	NA	Avg. Parity for SCC > 750k:	3
No. Embrios:	NA		

Table 3: Benchmark: Herd with the Top 25%, Average and Bottom 25% for different traits tested the last month of for Holstein Cows

	Milk Production (kg)	Butterfat (%)	Protein (%)	Lactose (%)	SCC (x1000/ml)	MUN (mg/dl)
Herd	19.5	3.96	3.42	4.61	195	14.95
Top 25%	38.3	4.88	3.84	4.80	38	16.80
Breed Avg	31.0	4.40	3.59	4.66	281	12.53
Bottom 25%	22.4	3.86	3.31	4.56	213	8.00

*** 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 50 Holstein Cows

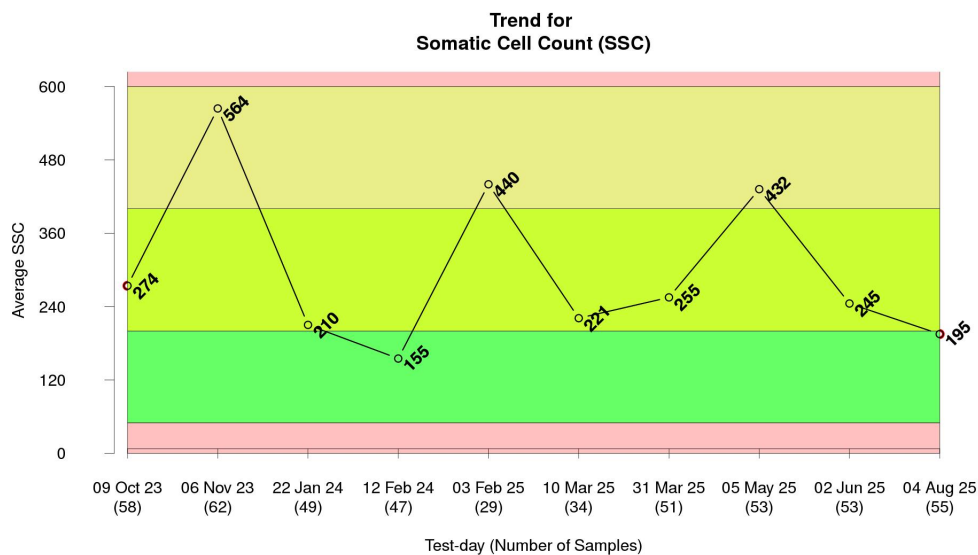
Lactation Group	% of Herd	Early Lactation	Mid Lactation	Late Lactation	% SCC > 200k	% SCC > 750k
1	22.0% (11)	0.0% (0)	6.0% (3)	16.0% (8)	4.0% (2)	2.0% (1)
2	18.0% (9)	2.0% (1)	8.0% (4)	8.0% (4)	2.0% (1)	0.0% (0)
3	30.0% (15)	0.0% (0)	10.0% (5)	20.0% (10)	10.0% (5)	0.0% (0)
4	14.0% (7)	0.0% (0)	8.0% (4)	6.0% (3)	2.0% (1)	0.0% (0)
5	10.0% (5)	0.0% (0)	8.0% (4)	2.0% (1)	4.0% (2)	2.0% (1)
6+	6.0% (3)	0.0% (0)	4.0% (2)	2.0% (1)	0.0% (0)	0.0% (0)
Herd	100% (50)	2% (1)	44% (22)	54% (27)	22% (11)	4% (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 50 Holstein 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)	33.3% (1)	0.0% (0)	12.5% (1)	12.5% (1)
2	0.0% (0)	0.0% (0)	25.0% (1)	0.0% (0)	0.0% (0)	0.0% (0)
3	0% (0)	0% (0)	40.0% (2)	0.0% (0)	30.0% (3)	0.0% (0)
4	0% (0)	0% (0)	0.0% (0)	0.0% (0)	33.3% (1)	0.0% (0)
5	0% (0)	0% (0)	50.0% (2)	25.0% (1)	0.0% (0)	0.0% (0)
6+	0% (0)	0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)

Table 6: Bulk Tank Results for 2025-08-04 (Number of Samples Tested: 1)

Tank No	Butterfat (%)	Protein (%)	Lactose (%)	SCC (x1000/ml)	MUN (mg/dl)	pH
Calculated Tank	3.89	3.36	4.63	165	15	
70 Tank	3.66	3.23	4.52	196	10.7	

**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.

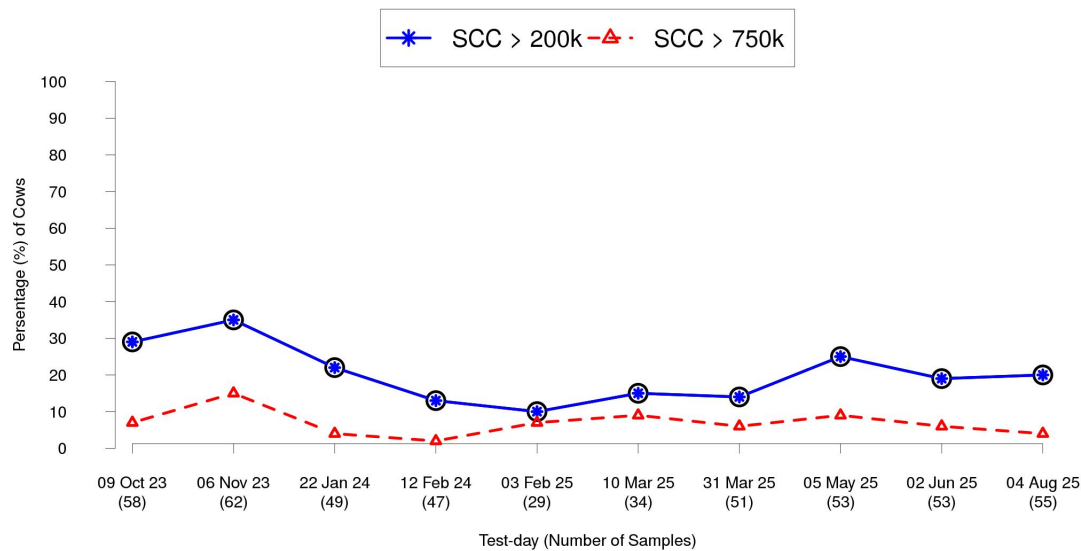


Figure 2: Percentage (%) of Cows with Somatic Cell Counts (SCC) more than 200k and 750k, respectively, per Test-day

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.

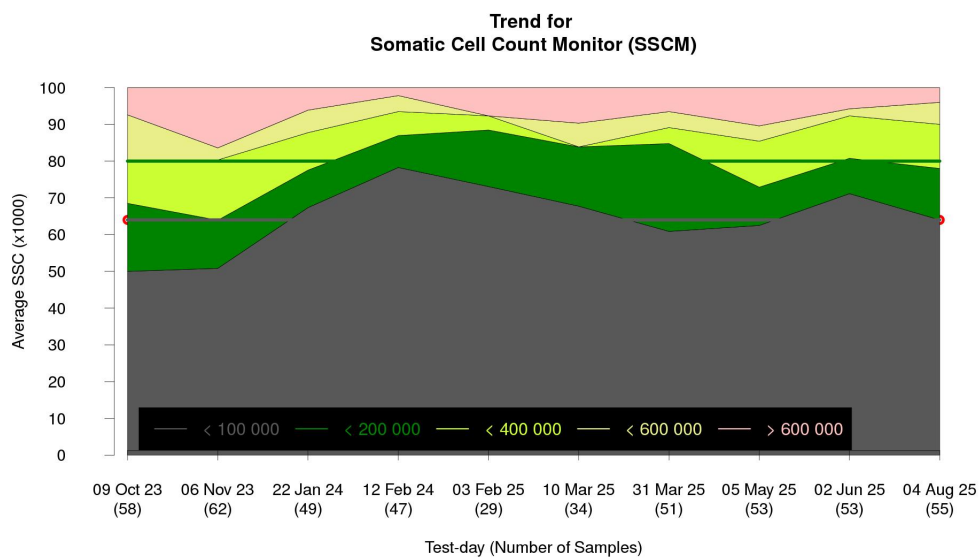


Figure 3: Somatic Cell Count (SCC) Monitor Trend

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.

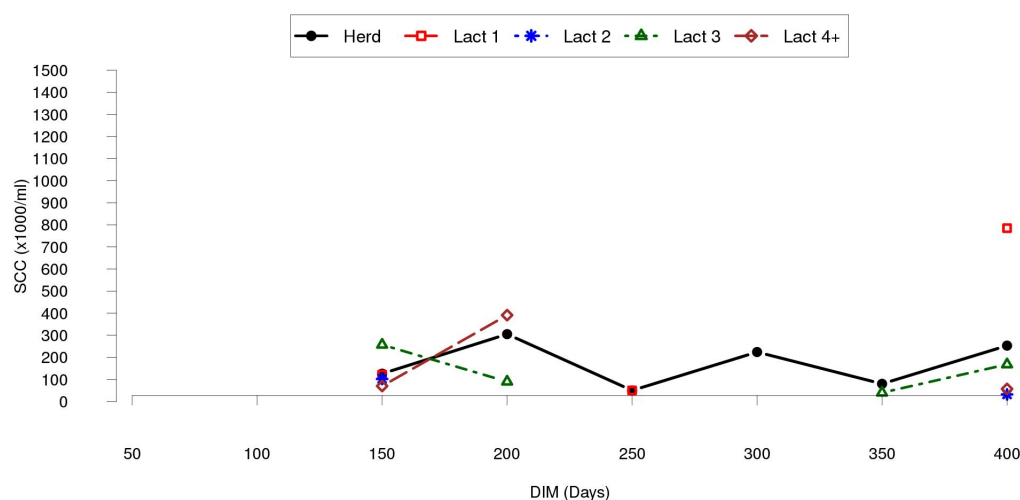


Figure 4: Average Somatic Cell Counts (SCC, x1000/ml) per Day In Milk (DIM)

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.

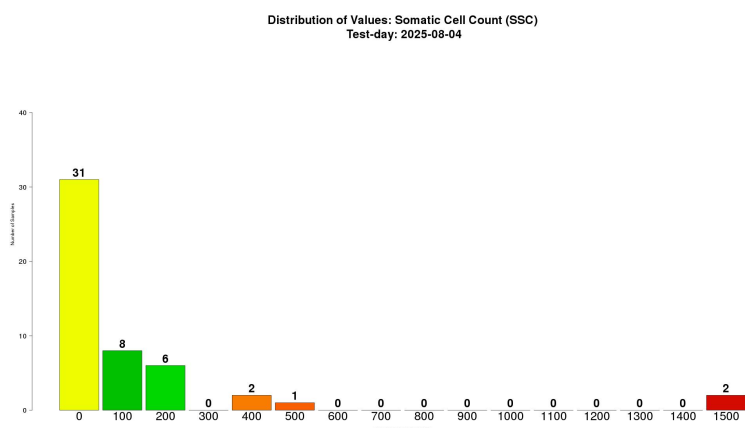


Figure 5: Somatic Cell Count (SCC) Distribution for Test-day (2025-08-04)

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 2025-08-04

SSC Levels	< 100k	100k - 200k	200k - 500k	500k - 800k	800k - 1 500k	> 1 500k
Number Cows	31	8	8	1	0	2
% Cows	62.0 %	16.0 %	16.0 %	2.0 %	0.0 %	4.0 %
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 2025-08-04 for the herd, was 195 000. 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
PE024	ELLIS	3004	4.53	550	1	13
PB054	BIKITA	508	4.49	461	3	12

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 2025-08-04	SCC 2025-06-02	SCC 2025-05-05	Production	DIM	Parity	Status
PE024	ELLIS	3004	2277	5102	13	550	1	C
PB008	BACCA	1509	3097	4041	19	174	5	C
PB054	BIKITA	508	187	73	12	461	3	N
PC038	CHINA	421	68	39	16	269	4	N
PC012	CHARMEN	418	186	114	26	120	3	N
PB012	BOLIVIA PB012	298	-	316	17	364	3	N
PG005	GAYTON	284	-	-	14	113	1	N
PE044	PE044 EDGE	273	-	247	19	111	2	N
PA002ANEL	PA002 ANEL	227	56	47	17	199	5	N
PB045	BERLIN	206	39	28	19	134	3	N
PC013	CARLA	203	41	167	14	406	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 %
PC024	CAMRY	16	413	3	1.18
EMA	PE014	20	410	2	1.13
PF018	FEBS	17	349	1	1.07
PA007	AVON	22	149	6	1.06
PE024	ELLIS	13	550	1	1.05
PF027	PF027 FIX	14	295	1	1.04
PF016	FLINK	14	362	1	1.01

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
ZAJG180007	BELLS	HST	-	-	-	1497	1151
ZAJG190005	CANOLA	HST	349	349	1	1111	840
ZAJG180014	BRANDY PB023	HST	738	738	1	856	626
ZAJG180019	BELVA	HST	661	661	1	977	626
ZAJG190003	CANDY	HST	377	377	1	946	626
ZAJG150006	YOYO PY 009	HST	631	522	4	886	613
ZAJG180004	BERYL	HST	374	410	3	738	515
PY014	YEBO PY 014	HST	838	574	4	734	515
PE022	EFF	HST	-	-	-	706	515
ZAJG140003	PX014 XEROX	HST	487	511	5	834	515
PB005	BETTY	HST	383	420	3	756	515
PA017	ANDRE	HST	613	515	3	762	515
PA004ADEL	PA004 ADEL	HST	448	499	3	860	515

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
ZAJG180007	BELLS	HST	-	-	-	1497	-
ZAJG190005	CANOLA	HST	349	349	1	1111	-
ZAJG180019	BELVA	HST	661	661	1	977	-
ZAJG190003	CANDY	HST	377	377	1	946	-
ZAJG150006	YOYO PY 009	HST	631	522	4	886	-
PA004ADEL	PA004 ADEL	HST	448	499	3	860	-
ZAJG180014	BRANDY PB023	HST	738	738	1	856	-
ZAJG140003	PX014 XEROX	HST	487	511	5	834	-
PD031	DIMPO	HST	-	-	-	814	24
PB002	BELINDA	HST	522	444	2	790	16
PA017	ANDRE	HST	613	515	3	762	-
PC014	CARNEY	HST	349	302	2	759	13
PB005	BETTY	HST	383	420	3	756	-
PC021	CANNY	HST	377	362	2	742	-
ZAJG180004	BERYL	HST	374	410	3	738	-
PY014	YEBO PY 014	HST	838	574	4	734	-
ZAJG190013	CARBY	HST	604	604	1	733	-
PA042	AMOS	HST	668	722	2	728	-
ZAJG200020	PD033 DRE	HST	-	-	-	720	-
PE022	EFF	HST	-	-	-	706	-
ZAJG200008	DIPSY	HST	438	438	1	693	20
ZAJG190026	CARRA	HST	483	483	1	663	-
PZ007ZOLA	PZ007ZOLA	HST	485	480	4	627	-
ZAJG190018	CHELSEA	HST	324	343	2	623	30
ZAJG160016	PZ041 ZOLANI	HST	500	466	4	612	-
ZAJG120018	USAIN	HST	1530	677	5	601	-
PY05	YIELD PY056	HST	542	441	5	570	15
ZAJG190015	CYREL	HST	550	439	2	569	11
ZAJG210008	ELLIS	HST	-	-	-	556	13
ZAJG180012	BONNY	HST	390	406	2	526	20
PC018	CRISTY	HST	594	480	2	480	26
PC042	COX	HST	339	424	2	478	26
PF009	FELIX	HST	-	-	-	472	32
BRICS	PB029 BRICS	HST	396	368	3	469	30
PA026	AVANGER	HST	448	448	4	469	25
ZAJG180026	BIKITA	HST	735	548	2	467	12
ZAJG200002	DOLLY	HST	344	406	2	460	-
PE035	EURO	HST	349	349	1	456	-
ZAJG180017	PB030 BIBI	HST	681	577	2	443	-
ZAJG200021	DON	HST	340	340	1	431	22
ZAJG190016	CAMRY	HST	352	442	2	419	16
PF013	FREDA	HST	-	-	-	416	14
ZAJG210006	PE014	HST	-	-	-	416	20
ZAJG190008	CARLA	HST	452	525	2	412	14