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Kudde Gesondheids Verslag / Herd Health Report

VOORBERG GEVANGENIS

VOORBERG
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Test-day: 2025-05-05

Holstein Cows

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HERD HEALTH SUMMARY REPORT

VOORBERG GEVANGENIS - Holstein Cows

Table 1: Summary for Test-day 2025-05-05 (Number of Samples Tested: 49)

Analysis	Results	Norms*	% Cows outside norms*
Milk Production (kg)	Avg.: 23.8 Median: 23.0		
Butterfat (%)	Avg.: 3.56 Median: 3.52	3.5 % - 6.0 %	Too Low: 51 % Too High: 0 %
Protein (%)	Avg.: 3.51 Median: 3.49	3.0 % - 4.5 %	Too Low: 20 % Too High: 4 %
Lactose (%)	Avg.: 4.55 Median: 4.55	> 4.7 %	Too Low: 78 %
MUN (mg/dl)	Avg.: 25.92 Median: 26.30	8 - 16 mg/dl	Too Low: 0 % Too High: 100 %
SCC (x1000/ml)	Avg.: 432 Median: 71 % < 100 : 61.2 % % < 200 : 71.4 % % < 500 : 87.8 % % > 750 : 10.2 % % > 1 000 : 8.2 % % > 1 500 : 6.1 %	< 200 > 64 % > 75 % > 92 % < 4.8 % < 1 % NONE	Too High: 2.8 % Too High: 3.6 % Too High: 4.2 % Too High: 5.4 % Too High: 7.2 % Too High: 6.1 %
Butterfat Protein ratio	Average: 1.0	> 1.0	Too High: 46.9 %

Table 2: Quantification of Specific Cases (% of herd) and Loss in Production on 2025-05-05

Loss in Production due to:		Avg/Median SCC (Number (n)):	
SSC (kg per day):	85.5 (7.3 %)	1st Lact Cows:	2114/5102 (5)
DIM (kg per day):	299.3 (25.7 %)	2nd Lact Cows:	98/35 (9)
No. of Cows Under Pressure:	4 (8.2 %)	3rd Lact Cows:	171/98 (17)
No. Cows with SCC > 200k:	13 (26.5 %)	4th Lact Cows:	57/37 (7)
No. Cows with SCC > 750k:	5 (10.2 %)	5th Lact Cows:	923/176 (6)
No. New Infections:	8 (16.3 %)	6+ Lact Cows:	110/59 (4)
No. Recurring Infections:	3 (6.1 %)	Avg. SCC for SCC > 750k (n):	3239 (5)
Cure Rate for SCC > 200k:	14.3 % (1)	Avg. Days In Milk (DIM) for Herd:	245
Cure Rate for SCC > 750k:	33.3 % (1)	Median of DIM for Herd:	225
No. Chronic Infections (SCC > 200k):	2 (4.1 %)	Avg. DIM for SCC < 200k (n):	179 (35)
No. Chronic Infections (SCC > 750k):	1 (2.0 %)	Avg. DIM for SCC > 200k and < 750k (n):	435 (8)
No. of Possible Ketosis Cases:	1	Avg. DIM for SCC > 750k (n):	286 (5)
No. of Possible Acidosis Cases:	23	Avg. Parity for Herd:	3
Avg. Age at First Calf (Months):	28	Avg. Parity for SCC < 200k:	3
Avg. Inter-Calf Period (Days):	519	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	23.8	3.56	3.51	4.55	432	25.92
Top 25%	38.4	4.27	3.60	5.22	48	17.35
Breed Avg	32.4	3.88	3.34	5.01	349	14.66
Bottom 25%	26.0	3.41	3.05	4.88	318	11.60

*** 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 49 Holstein Cows

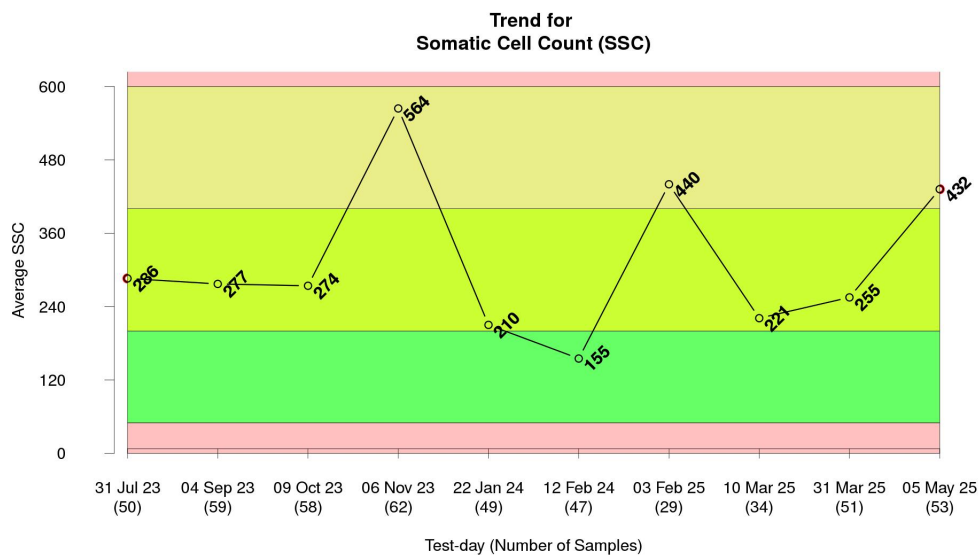
Lactation Group	% of Herd	Early Lactation	Mid Lactation	Late Lactation	% SCC > 200k	% SCC > 750k
1	10.2% (5)	0.0% (0)	2.0% (1)	8.2% (4)	6.1% (3)	4.1% (2)
2	18.4% (9)	8.2% (4)	2.0% (1)	8.2% (4)	4.1% (2)	0.0% (0)
3	34.7% (17)	10.2% (5)	0.0% (0)	24.5% (12)	8.2% (4)	2.0% (1)
4	14.3% (7)	10.2% (5)	4.1% (2)	0.0% (0)	0.0% (0)	0.0% (0)
5	12.2% (6)	4.1% (2)	4.1% (2)	4.1% (2)	6.1% (3)	4.1% (2)
6+	8.2% (4)	4.1% (2)	0.0% (0)	4.1% (2)	2.0% (1)	0.0% (0)
Herd	98% (48)	36.8% (18)	12.2% (6)	49.1% (24)	26.5% (13)	10.2% (5)

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 49 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)	0.0% (0)	0.0% (0)	75.0% (3)	50.0% (2)
2	25.0% (1)	0.0% (0)	0.0% (0)	0.0% (0)	25.0% (1)	0.0% (0)
3	0.0% (0)	0.0% (0)	0% (0)	0% (0)	33.3% (4)	8.3% (1)
4	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0% (0)	0% (0)
5	50.0% (1)	50.0% (1)	0.0% (0)	0.0% (0)	100.0% (2)	50.0% (1)
6+	0.0% (0)	0.0% (0)	0% (0)	0% (0)	50.0% (1)	0.0% (0)

Table 6: Bulk Tank Results for 2025-05-05 (Number of Samples Tested: 0)

Tank No	Butterfat (%)	Protein (%)	Lactose (%)	SCC (x1000/ml)	MUN (mg/dl)	pH
Calculated Tank	3.47	3.42	4.57	364	26	

**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.

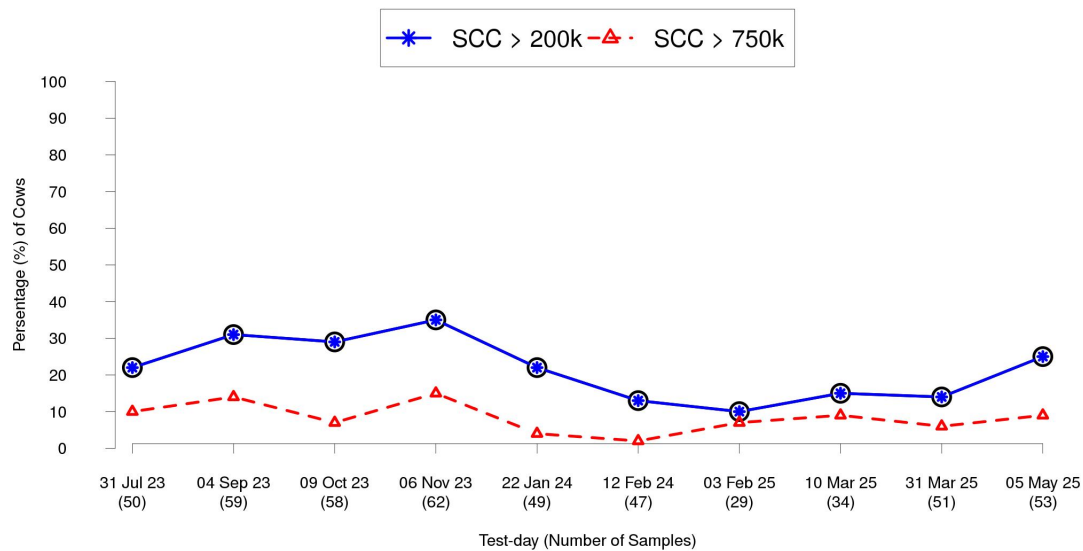


Figure 2: Percentage (%) of Cows with Somatic Cell Counts (SCC) more than 200k and 750k, respectively, per Test-day

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.

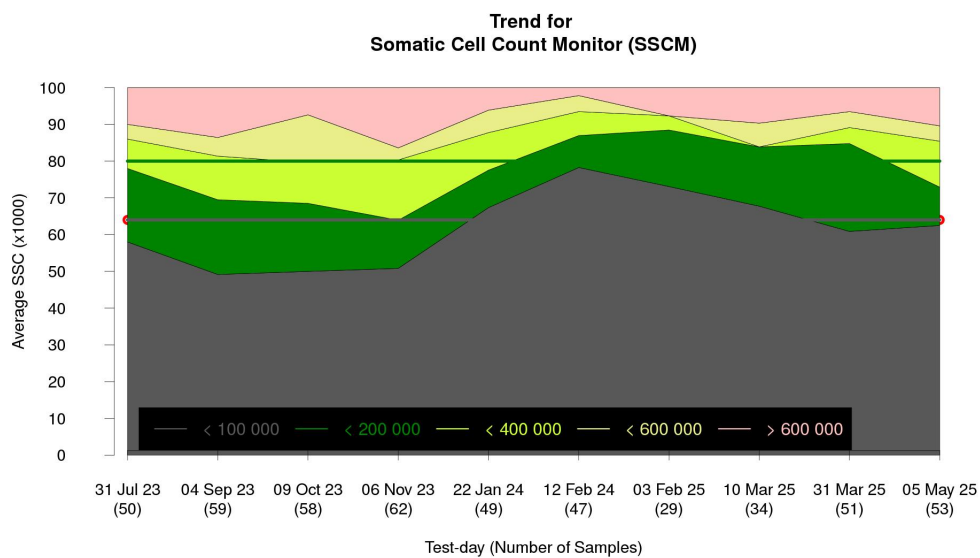


Figure 3: Somatic Cell Count (SCC) Monitor Trend

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.

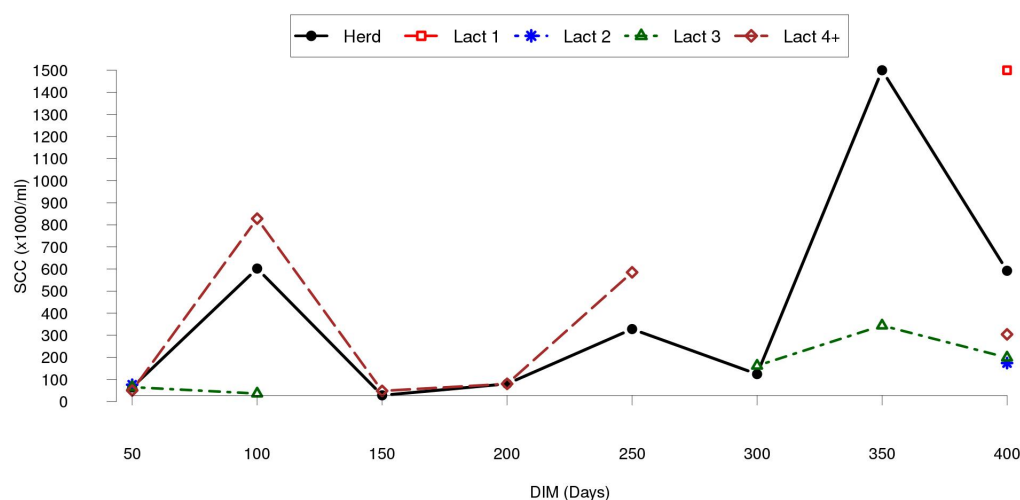


Figure 4: Average Somatic Cell Counts (SCC, x1000/ml) per Day In Milk (DIM)

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.

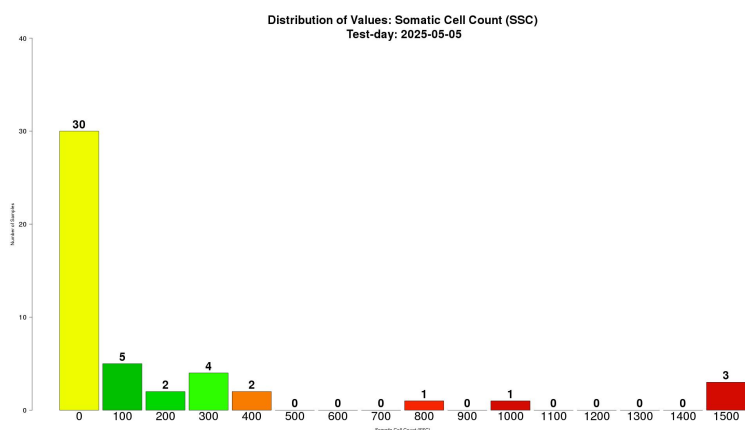


Figure 5: Somatic Cell Count (SCC) Distribution for Test-day (2025-05-05)

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 2025-05-05

SSC Levels	< 100k	100k - 200k	200k - 500k	500k - 800k	800k - 1 500k	> 1 500k
Number Cows	30	5	8	0	2	3
% Cows	62.5 %	10.4 %	16.7 %	0.0 %	4.2 %	6.2 %
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 2025-05-05 for the herd, was 432 000. 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
PF013	FREDA	5135	4.27	319	1	17
PE024	ELLIS	5102	4.18	459	1	15
PB008	BACCA	4041	4.55	83	5	29
PA051	AMANDA	1074	4.27	221	5	30

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 2025-05-05	SCC 2025-03-31	SCC 2025-03-10	Production	DIM	Parity	Status
PF013	FREDA	5135	199	551	17	319	1	R
PE024	ELLIS	5102	798	1012	15	459	1	C
PB008	BACCA	4041	8	48	29	83	5	N
PA051	AMANDA	1074	2091	555	30	221	5	C
BIBI	PB030 BIBI	844	75	1183	16	346	3	R
PC050	CARRA	486	564	-	17	566	2	N
PA042	AMOS	461	304	-	13	631	3	R
PC042	COX	395	-	-	29	381	3	N
PB012	BOLIVIA PB012	316	112	175	23	273	3	N
PY05	YIELD PY056	306	194	-	20	473	6	N
PZ041ZOLAN	PZ041 ZOLANI	303	137	-	13	515	5	N
PD033	PD033 DRE	273	-	-	11	623	1	N
PE044	PE044 EDGE	247	-	-	28	20	2	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
PA007	AVON	30	58	6	0.73	HST

Table 11: Possible Acidosis Cases (Protein % > Butterfat %)

Cow ID	Name	Production	DIM	Parity	Prot % to Fat %
PD033	PD033 DRE	11	623	1	1.22
PZ036ZAKU	PZ036 ZAKUMI	20	103	5	1.19
PD007	DINAH	34	96	3	1.18
PC013	CARLA	22	315	3	1.18
PC042	COX	29	381	3	1.16
PC024	CAMRY	21	322	3	1.15
EMA	PE014	21	319	2	1.14
PE024	ELLIS	15	459	1	1.13
PC012	CHARMEN	30	29	3	1.13
PE044	PE044 EDGE	28	20	2	1.12
PB008	BACCA	29	83	5	1.10
PC023	CYREL	19	472	3	1.09
PE035	EURO	22	359	2	1.07
PA034	AVA	33	33	4	1.07
PB012	BOLIVIA PB012	23	273	3	1.07
PC050	CARRA	17	566	2	1.06
PA002ANEL	PA002 ANEL	29	108	5	1.06
PE005	ERICA	24	118	2	1.04
PA006	ANAH	28	20	5	1.04
PE064	PE064 EBONY	28	114	1	1.04
PF016	FLINK	17	271	1	1.02
PZ045ZAIN	PZ045 ZAIN	21	65	4	1.02
PF013	FREDA	17	319	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
PB007	BELLS	HST	-	-	-	1406	1057
PC008	CANOLA	HST	349	349	1	1020	746
PB036	BELVA	HST	661	661	1	886	532
ZAJG130015	WILBO PW033	HST	538	492	5	1044	532
ZAJG180014	BRANDY PB023	HST	738	738	1	765	532
PC005	CANDY	HST	377	377	1	855	532
ZAJG150006	YOYO PY 009	HST	631	522	4	795	519
PA017	ANDRE	HST	613	515	3	671	421
PB004	BERYL	HST	374	410	3	647	421
ZAJG180005	BETTY	HST	383	420	3	665	421
ZAJG140003	PX014 XEROX	HST	487	511	5	743	421
PD031	DIMPO	HST	-	-	-	723	421
ZAJG150008	YEBO PY 014	HST	838	574	4	643	421
PE022	EFF	HST	-	-	-	615	421
PA004ADEL	PA004 ADEL	HST	448	499	3	769	421

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
PB007	BELLS	HST	-	-	-	1406	-
ZAJG130015	WILBO PW033	HST	538	492	5	1044	-
PC008	CANOLA	HST	349	349	1	1020	-
ZAJG190007	CHARMEN	HST	493	493	1	922	30
ZAJG200009	DUDU	HST	-	-	-	921	26
PB036	BELVA	HST	661	661	1	886	-
PC005	CANDY	HST	377	377	1	855	-
ZAJG150006	YOYO PY 009	HST	631	522	4	795	-
ZAJG170014	AVA	HST	497	524	2	776	33
PA004ADEL	PA004 ADEL	HST	448	499	3	769	-
ZAJG180014	BRANDY PB023	HST	738	738	1	765	-
PE001	EASY	HST	-	-	-	760	28
ZAJG140003	PX014 XEROX	HST	487	511	5	743	-
PD031	DIMPO	HST	-	-	-	723	-
PB002	BELINDA	HST	522	444	2	699	20
PA017	ANDRE	HST	613	515	3	671	-
ZAJG190009	CARNEY	HST	349	302	2	668	16
ZAJG180005	BETTY	HST	383	420	3	665	-
PC021	CANNY	HST	377	362	2	651	-
PB004	BERYL	HST	374	410	3	647	-
ZAJG150008	YEBO PY 014	HST	838	574	4	643	-
ZAJG190013	CARBY	HST	604	604	1	642	-
ZAJG170015	AMOS	HST	668	722	2	637	13
ZAJG200020	PD033 DRE	HST	-	-	-	629	11
PA006	ANAH	HST	700	531	3	622	28
PE022	EFF	HST	-	-	-	615	-
PE044	PE044 EDGE	HST	-	-	-	608	28
PD016	DIPSY	HST	438	438	1	602	19
PC050	CARRA	HST	483	483	1	572	17
ZAJG160004	PZ007ZOLA	HST	485	480	4	536	-
PC035	CHELSEA	HST	324	343	2	532	-
ZAJG160016	PZ041 ZOLANI	HST	500	466	4	521	13
PY05	YIELD PY056	HST	542	441	5	479	20
ZAJG190015	CYREL	HST	550	439	2	478	19
ZAJG210008	ELLIS	HST	-	-	-	465	15
ZAJG180012	BONNY	HST	390	406	2	435	-