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Kudde Gesondheids Verslag / Herd Health Report

VOORBERG GEVANGENIS

VOORBERG
PRIVATE BAG X2
PORTERVILLE
6810

debora.steyn@dcs.gov.za, hentie.vanwyk@dcs.gov.za

Test-day: 2025-11-03

Holstein Cows

LogixMilk Technical Advisor:
CHANELLE STEENEKAMP
072 836 4108
chanelle@studbook.co.za

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HERD HEALTH SUMMARY REPORT

VOORBERG GEVANGENIS - Holstein Cows

Table 1: Summary for Test-day 2025-11-03 (Number of Samples Tested: 66)

Analysis	Results	Norms*	% Cows outside norms*
Milk Production (kg)	Avg.: 17.4 Median: 17.0		
Butterfat (%)	Avg.: 3.54 Median: 3.40	3.5 % - 6.0 %	Too Low: 58 % Too High: 0 %
Protein (%)	Avg.: 3.24 Median: 3.15	3.0 % - 4.5 %	Too Low: 33 % Too High: 0 %
Lactose (%)	Avg.: 4.37 Median: 4.42	> 4.7 %	Too Low: 95 %
MUN (mg/dl)	Avg.: 13.68 Median: 14.00	8 - 16 mg/dl	Too Low: 2 % Too High: 15 %
SCC (x1000/ml)	Avg.: 175 Median: 92 % < 100 : 54.5 % % < 200 : 77.3 % % < 500 : 90.9 % % > 750 : 7.6 % % > 1 000 : 1.5 % % > 1 500 : 1.5 %	< 200 > 64 % > 75 % > 92 % < 4.8 % < 1 % NONE	Too High: 9.5 % Too High: 0 % Too High: 1.1 % Too High: 2.8 % Too High: 0.5 % Too High: 1.5 %
Butterfat Protein ratio	Average: 1.1	> 1.0	Too High: 21.2 %

Table 2: Quantification of Specific Cases (% of herd) and Loss in Production on 2025-11-03

Loss in Production due to:		Avg/Median SCC (Number (n)):	
SSC (kg per day):	45.9 (4.0 %)	1st Lact Cows:	107/47 (21)
DIM (kg per day):	769.4 (67.0 %)	2nd Lact Cows:	128/104 (12)
No. of Cows Under Pressure:	6 (9.1 %)	3rd Lact Cows:	242/77 (19)
No. Cows with SCC > 200k:	15 (22.7 %)	4th Lact Cows:	191/82 (6)
No. Cows with SCC > 750k:	5 (7.6 %)	5th Lact Cows:	241/142 (6)
No. New Infections:	5 (7.6 %)	6+ Lact Cows:	281/281 (2)
No. Recurring Infections:	5 (7.6 %)	Avg. SCC for SCC > 750k (n):	963 (5)
Cure Rate for SCC > 200k:	11.1 % (1)	Avg. Days In Milk (DIM) for Herd:	369
Cure Rate for SCC > 750k:	0.0 % (0)	Median of DIM for Herd:	293
No. Chronic Infections (SCC > 200k):	5 (7.6 %)	Avg. DIM for SCC < 200k (n):	372 (51)
No. Chronic Infections (SCC > 750k):	2 (3.0 %)	Avg. DIM for SCC > 200k and < 750k (n):	344 (10)
No. of Possible Ketosis Cases:	0	Avg. DIM for SCC > 750k (n):	385 (5)
No. of Possible Acidosis Cases:	14	Avg. Parity for Herd:	3
Avg. Age at First Calf (Months):	28	Avg. Parity for SCC < 200k:	2
Avg. Inter-Calf Period (Days):	530	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	17.4	3.54	3.24	4.37	175	13.68
Top 25%	39.8	4.61	3.66	4.85	30	14.20
Breed Avg	33.2	4.14	3.43	4.67	272	11.55
Bottom 25%	26.5	3.62	3.16	4.52	191	9.00

*** 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 66 Holstein Cows

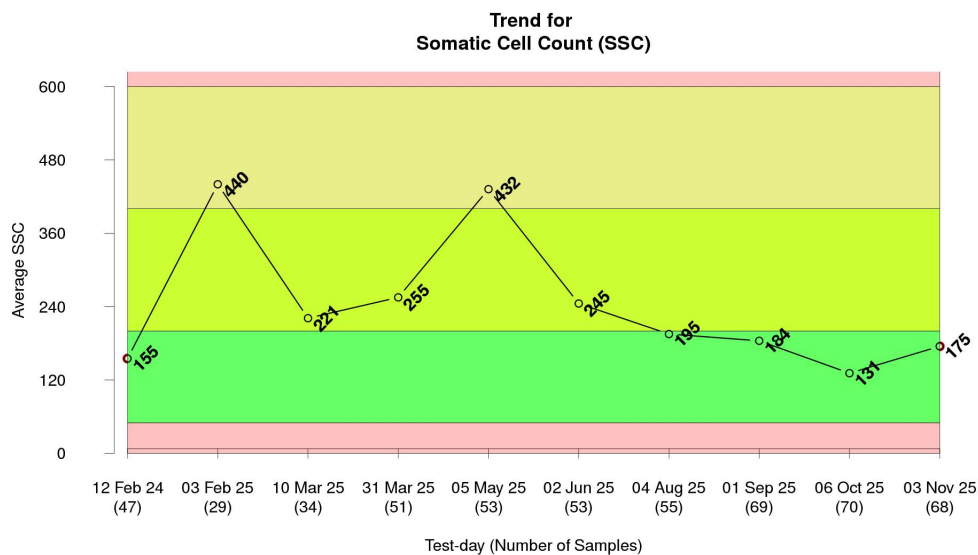
Lactation Group	% of Herd	Early Lactation	Mid Lactation	Late Lactation	% SCC > 200k	% SCC > 750k
1	31.8% (21)	0.0% (0)	18.2% (12)	13.6% (9)	4.5% (3)	1.5% (1)
2	18.2% (12)	1.5% (1)	1.5% (1)	15.2% (10)	4.5% (3)	0.0% (0)
3	28.8% (19)	0.0% (0)	0.0% (0)	28.8% (19)	9.1% (6)	3.0% (2)
4	9.1% (6)	0.0% (0)	0.0% (0)	9.1% (6)	1.5% (1)	1.5% (1)
5	9.1% (6)	0.0% (0)	1.5% (1)	7.6% (5)	1.5% (1)	1.5% (1)
6+	3.0% (2)	0.0% (0)	0.0% (0)	3.0% (2)	1.5% (1)	0.0% (0)
Herd	100% (66)	1.5% (1)	21.2% (14)	77.3% (51)	22.6% (15)	7.5% (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 66 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)	33.3% (3)	11.1% (1)
2	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	30.0% (3)	0.0% (0)
3	0% (0)	0% (0)	0% (0)	0% (0)	31.6% (6)	10.5% (2)
4	0% (0)	0% (0)	0% (0)	0% (0)	16.7% (1)	16.7% (1)
5	0% (0)	0% (0)	0.0% (0)	0.0% (0)	20.0% (1)	20.0% (1)
6+	0% (0)	0% (0)	0% (0)	0% (0)	50.0% (1)	0.0% (0)

Table 6: Bulk Tank Results for 2025-11-03 (Number of Samples Tested: 0)

Tank No	Butterfat (%)	Protein (%)	Lactose (%)	SCC (x1000/ml)	MUN (mg/dl)	pH
Calculated Tank	3.48	3.17	4.38	164	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.

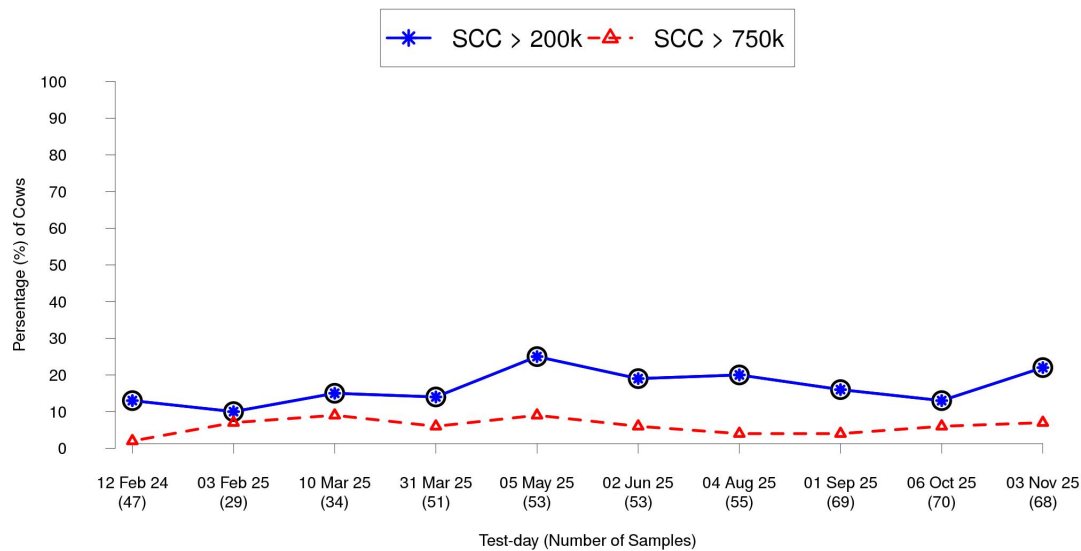


Figure 2: Percentage (%) of Cows with Somatic Cell Counts (SCC) more than 200k and 750k, respectively, per Test-day

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.

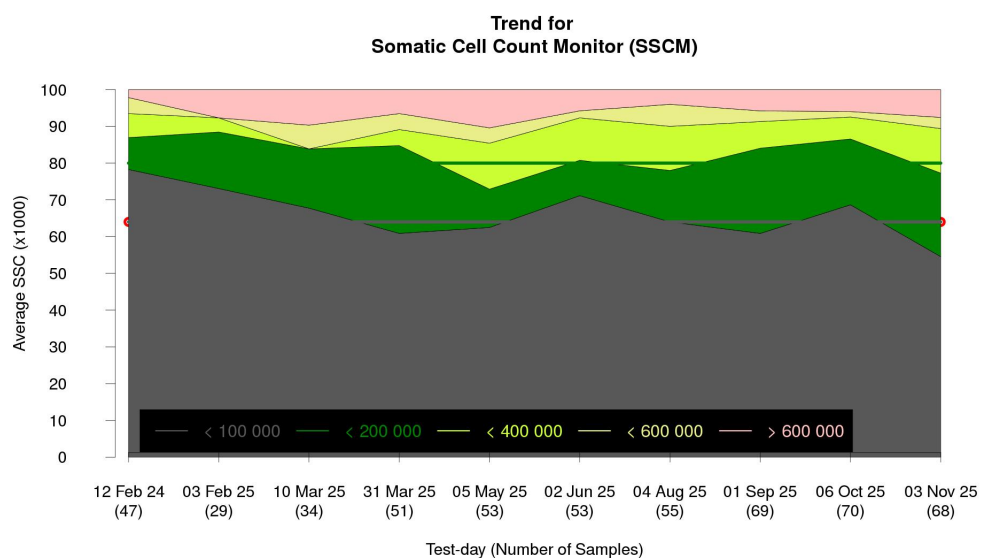


Figure 3: Somatic Cell Count (SCC) Monitor Trend

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.

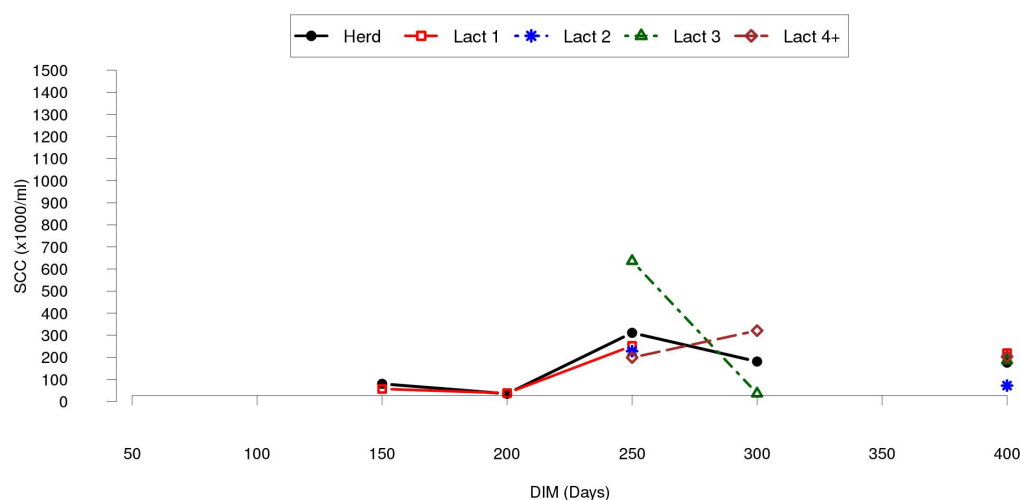


Figure 4: Average Somatic Cell Counts (SCC, x1000/ml) per Day In Milk (DIM)

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.

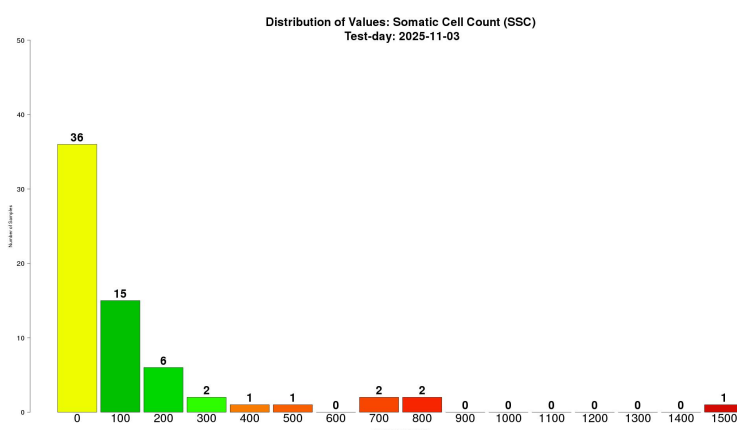


Figure 5: Somatic Cell Count (SCC) Distribution for Test-day (2025-11-03)

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 2025-11-03

SSC Levels	< 100k	100k - 200k	200k - 500k	500k - 800k	800k - 1 500k	> 1 500k
Number Cows	36	15	9	3	2	1
% Cows	54.5 %	22.7 %	13.6 %	4.5 %	3.0 %	1.5 %
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 2025-11-03 for the herd, was 175 000. 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
PB045	BERLIN	1659	3.94	225	3	15
PE024	ELLIS	813	4.40	641	1	10
PC038	CHINA	803	3.85	360	4	15
PC051	COCONUT	786	4.46	407	3	24
PA002	ANEL	754	3.73	290	5	13
PC013	CARLA	553	3.90	497	3	14

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 2025-11-03	SCC 2025-10-06	SCC 2025-09-01	Production	DIM	Parity	Status
PB045	BERLIN	1659	165	152	15	225	3	R
PE024	ELLIS	813	1371	2042	10	641	1	C
PC038	CHINA	803	259	250	15	360	4	C
PC051	COCONUT	786	763	861	24	407	3	C
PA002	ANEL	754	138	148	13	290	5	R
PC013	CARLA	553	171	95	14	497	3	R
PA007	AVON	454	23	38	17	240	6	N
PD017	DUDU	365	14	119	18	211	2	N
PE044	EDGE	327	149	317	15	202	2	R
PE054	ECOVID	292	560	3208	18	226	2	C
PB012	BOLIVIA	291	243	270	17	455	3	C
PF023	FOX	265	13	25	18	208	1	N
PG005	GAYTON	238	-	319	13	204	1	N
PD005	DOLLY	233	-	-	35	545	3	R
PC023	CYREL	205	124	107	7	654	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 %
PF018	FEBS	16	440	1	1.20
PC024	CAMRY	13	504	3	1.17
PE044	EDGE	15	202	2	1.14
PA026	AVANGER	16	554	5	1.11
PE064	EBONY	18	296	1	1.10
PZ041	ZOLANI	27	697	5	1.09
PF014	FREEZ	16	183	1	1.06
PC042	COX	21	563	3	1.05
PE054	ECOVID	18	226	2	1.05
PD007	DINAH	18	278	3	1.04
PG023	GANJA	17	128	1	1.04
PG006	GERALDO	16	193	1	1.01
PC012	CHARMEN	21	211	3	1.01
PF024	FAITH	19	44	2	1.00

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
PC005	CANDY	HST	377	377	1	1030	710
ZAJG190026	CARRA	HST	483	483	1	747	74
ZAJG180026	BIKITA	HST	735	548	2	551	59

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
PC005	CANDY	HST	377	377	1	1030	-
ZAJG180002	BELINDA	HST	522	444	2	874	13
ZAJG190009	CARNEY	HST	349	302	2	843	10
ZAJG190014	CANNY	HST	377	362	2	826	25
ZAJG190013	CARBY	HST	604	604	1	817	28
ZAJG170015	AMOS	HST	668	722	2	812	-
ZAJG200020	DRE	HST	-	-	-	804	-
ZAJG200008	DIPSY	HST	438	438	1	777	17
ZAJG190026	CARRA	HST	483	483	1	747	-
ZAJG190018	CHELSEA	HST	324	343	2	707	23
PZ041	ZOLANI	HST	500	466	4	696	27
ZAJG150056	YIELD	HST	542	441	5	654	-
PC023	CYREL	HST	550	439	2	653	7
ZAJG210008	ELLIS	HST	-	-	-	640	10
ZAJG180012	BONNY	HST	390	406	2	610	17
PC018	CRISTY	HST	594	480	2	564	19
PC042	COX	HST	339	424	2	562	21
ZAJG220009	FELIX	HST	-	-	-	556	24
ZAJG180016	BRICS	HST	396	368	3	553	24
ZAJG170012	AVANGER	HST	448	448	4	553	16
ZAJG180026	BIKITA	HST	735	548	2	551	-
PD005	DOLLY	HST	344	406	2	544	35
ZAJG210013	EURO	HST	349	349	1	540	-
PD035	DON	HST	340	340	1	515	17
ZAJG190016	CAMRY	HST	352	442	2	503	13
PF013	FREDA	HST	-	-	-	500	-
PE014	EMA	HST	-	-	-	500	16
PC013	CARLA	HST	452	525	2	496	14
PB012	BOLIVIA	HST	477	533	2	454	17
ZAJG220016	FLINK	HST	-	-	-	452	12
ZAJG220008	FLOWERS	HST	-	-	-	448	15
ZAJG220018	FEBS	HST	-	-	-	439	16
ZAJG190001	CANDICE	HST	394	524	2	434	19
ZAJG190019	CANON	HST	459	491	2	427	15
PC051	COCONUT	HST	433	501	2	406	24
PA051	AMANDA	HST	511	436	4	402	31
PE034	EDWIN	HST	370	370	1	402	15