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Kudde Gesondheids Verslag / Herd Health Report

VOORBERG GEVANGENIS

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Test-day: 2025-02-03

Holstein Cows

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List of Tables

1	Summary for Test-day 2025-02-03 (Number of Samples Tested: 26)	2
2	Quantification of Specific Cases (% of herd) and Loss in Production on 2025-02-03	2
3	Benchmark: Herd with the Top 25%, Average and Bottom 25% for different traits tested the last month of for Holstein Cows	2
4	Summary of Somatic Cell Counts per Lactation Group in the herd for 26 Holstein Cows	3
5	Somatic Cell Count (SCC) Analysis: Percentage (Number) of Cows within Stage of Lactation and Lactation Group for SCC > 200k and SCC > 750k for 26 Holstein Cows	3
6	Bulk Tank Results for 2025-02-03 (Number of Samples Tested: 1)	3
7	Somatic Cell Count (SSC) distribution and Milk Loss Monitor 2025-02-03	5
8	Cows Under Pressure (SCC > 500k and Lactose % < 4.6)	6
9	Cows with Somatic Cell Counts > 200k (Status: N=New -, C=Chronic -, R=Recurring - and CR=Chronic and Recurring Infections)	7
10	Possible Ketosis Cases; Cows under 100 days in milk (Prot. Fat Ratio < 0.68 for Jerseys and < 0.74 for other Breeds)	8
11	Possible Acidosis Cases (Protein % > Butterfat %)	9
12	Dry Cows with a Dry Period more than 55 Days	10
13	Cows with an active Inter-Calving Period (ICP) > 400 days	11
13	Cows with an active Inter-Calving Period (ICP) > 400 days	12

List of Figures

1	Somatic Cell Count (SCC) Trend	3
2	Percentage (%) of Cows with Somatic Cell Counts (SCC) more than 200k and 750k, respectively, per Test-day	4
3	Somatic Cell Count (SCC) Monitor Trend	4
4	Average Somatic Cell Counts (SCC, x1000/ml) per Day In Milk (DIM)	5
5	Somatic Cell Count (SCC) Distribution for Test-day (2025-02-03)	5

HERD HEALTH SUMMARY REPORT

VOORBERG GEVANGENIS - Holstein Cows

Table 1: Summary for Test-day 2025-02-03 (Number of Samples Tested: 26)

Analysis	Results	Norms*	% Cows outside norms*
Milk Production (kg)	Avg.: 25.4 Median: 25.0		
Butterfat (%)	Avg.: 3.18 Median: 3.15	3.5 % - 6.0 %	Too Low: 81 % Too High: 0 %
Protein (%)	Avg.: 3.40 Median: 3.52	3.0 % - 4.5 %	Too Low: 12 % Too High: 0 %
Lactose (%)	Avg.: 4.81 Median: 4.80	> 4.7 %	Too Low: 15 %
MUN (mg/dl)	Avg.: 21.53 Median: 22.70	8 - 16 mg/dl	Too Low: 0 % Too High: 96 %
SCC (x1000/ml)	Avg.: 440 Median: 64 % < 100 : 73.1 % % < 200 : 88.5 % % < 500 : 92.3 % % > 750 : 7.7 % % > 1 000 : 7.7 % % > 1 500 : 7.7 %	< 200 > 64 % > 75 % > 92 % < 4.8 % < 1 % NONE	Too High: 0 % Too High: 0 % Too High: 0 % Too High: 2.9 % Too High: 6.7 % Too High: 7.7 %
Butterfat Protein ratio	Average: 0.9	> 1.0	Too High: 76.9 %

Table 2: Quantification of Specific Cases (% of herd) and Loss in Production on 2025-02-03

Loss in Production due to:		Avg/Median SCC (Number (n)):	
SSC (kg per day):	48.4 (7.3 %)	1st Lact Cows:	812/120 (5)
DIM (kg per day):	77.0 (11.7 %)	2nd Lact Cows:	58/33 (4)
No. of Cows Under Pressure:	1 (3.8 %)	3rd Lact Cows:	50/42 (9)
No. Cows with SCC > 200k:	3 (11.5 %)	4th Lact Cows:	102/64 (3)
No. Cows with SCC > 750k:	2 (7.7 %)	5th Lact Cows:	1590/84 (4)
No. New Infections:	3 (11.5 %)	6+ Lact Cows:	50/50 (1)
No. Recurring Infections:	0 (0.0 %)	Avg. SCC for SCC > 750k (n):	4962 (2)
Cure Rate for SCC > 200k:	16.7 % (1)	Avg. Days In Milk (DIM) for Herd:	203
Cure Rate for SCC > 750k:	0.0 % (0)	Median of DIM for Herd:	228
No. Chronic Infections (SCC > 200k):	0 (0.0 %)	Avg. DIM for SCC < 200k (n):	195 (23)
No. Chronic Infections (SCC > 750k):	0 (0.0 %)	Avg. DIM for SCC > 200k and < 750k (n):	281 (1)
No. of Possible Ketosis Cases:	0	Avg. DIM for SCC > 750k (n):	249 (2)
No. of Possible Acidosis Cases:	20	Avg. Parity for Herd:	3
Avg. Age at First Calf (Months):	28	Avg. Parity for SCC < 200k:	3
Avg. Inter-Calf Period (Days):	503	Avg. Parity for SCC > 200k and < 750k:	4
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	25.4	3.18	3.40	4.81	440	21.53
Top 25%	34.1	4.76	3.64	4.90	34	15.30
Breed Avg	28.1	4.30	3.42	4.75	273	11.89
Bottom 25%	22.2	3.81	3.18	4.64	187	8.60

*** 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 26 Holstein Cows

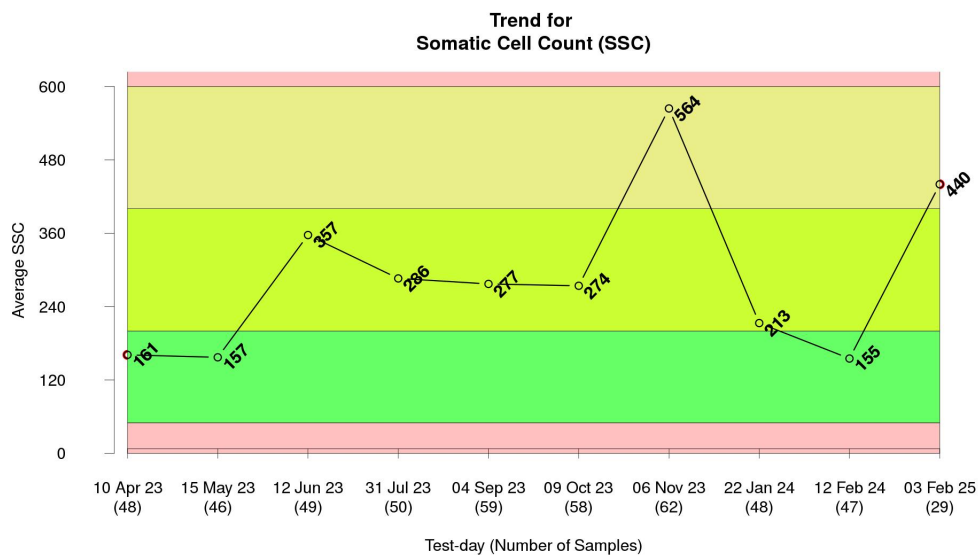
Lactation Group	% of Herd	Early Lactation	Mid Lactation	Late Lactation	% SCC > 200k	% SCC > 750k
1	19.2% (5)	0.0% (0)	7.7% (2)	11.5% (3)	3.8% (1)	3.8% (1)
2	15.4% (4)	3.8% (1)	3.8% (1)	7.7% (2)	0.0% (0)	0.0% (0)
3	34.6% (9)	0.0% (0)	11.5% (3)	23.1% (6)	0.0% (0)	0.0% (0)
4	11.5% (3)	3.8% (1)	0.0% (0)	7.7% (2)	3.8% (1)	0.0% (0)
5	15.4% (4)	7.7% (2)	3.8% (1)	3.8% (1)	3.8% (1)	3.8% (1)
6+	3.8% (1)	0.0% (0)	3.8% (1)	0.0% (0)	0.0% (0)	0.0% (0)
Herd	99.9% (26)	15.3% (4)	30.6% (8)	53.8% (14)	11.4% (3)	7.6% (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 26 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% (1)	33.3% (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% (0)	0.0% (0)	0.0% (0)	0.0% (0)
4	0.0% (0)	0.0% (0)	0% (0)	0% (0)	50.0% (1)	0.0% (0)
5	0.0% (0)	0.0% (0)	100.0% (1)	100.0% (1)	0.0% (0)	0.0% (0)
6+	0% (0)	0% (0)	0.0% (0)	0.0% (0)	0% (0)	0% (0)

Table 6: Bulk Tank Results for 2025-02-03 (Number of Samples Tested: 1)

Tank No	Butterfat (%)	Protein (%)	Lactose (%)	SCC (x1000/ml)	MUN (mg/dl)	pH
Calculated Tank	3.14	3.36	4.81	468	21	
53 Tank	3.51	3.42	4.69	158	18.5	

**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.

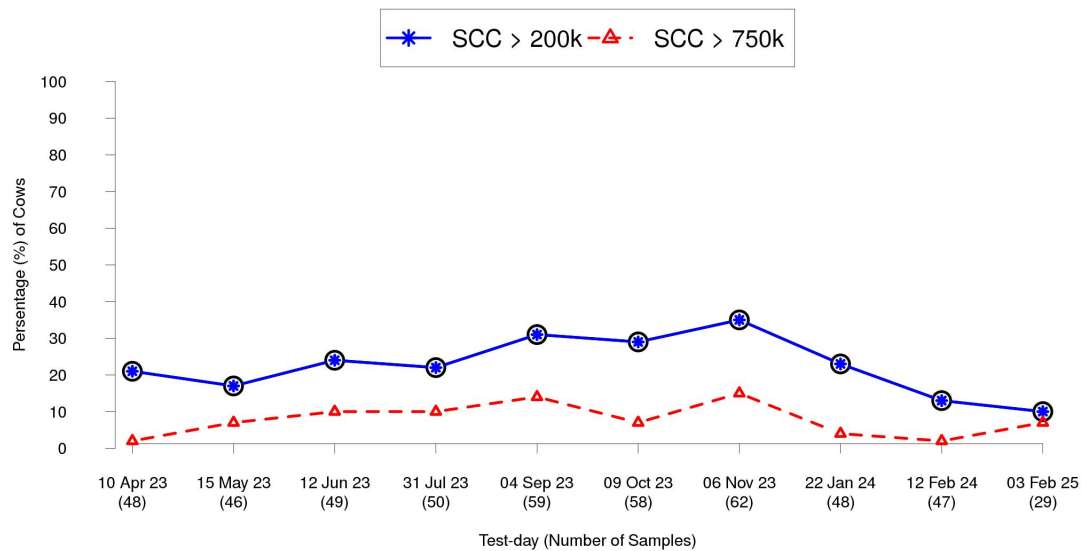


Figure 2: Percentage (%) of Cows with Somatic Cell Counts (SCC) more than 200k and 750k, respectively, per Test-day

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.

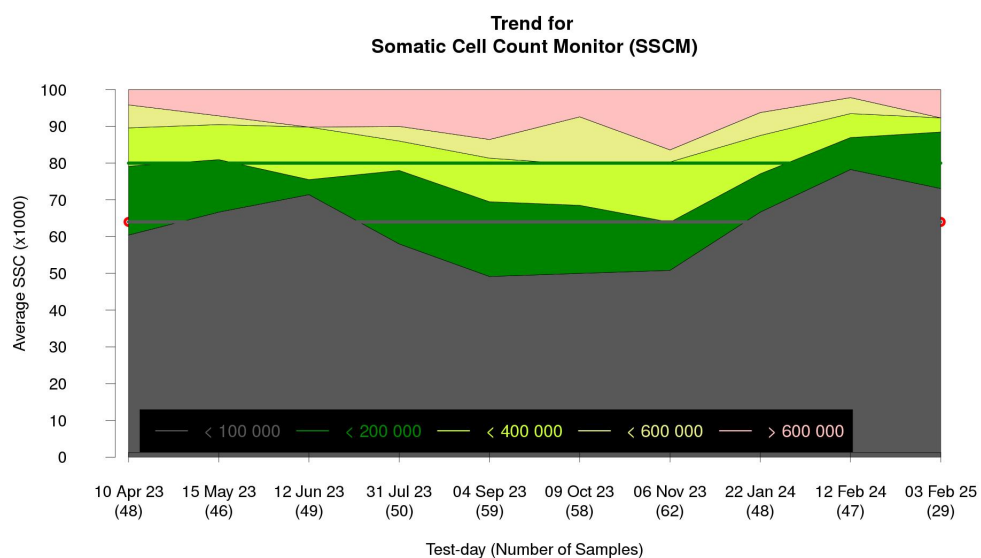


Figure 3: Somatic Cell Count (SCC) Monitor Trend

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.

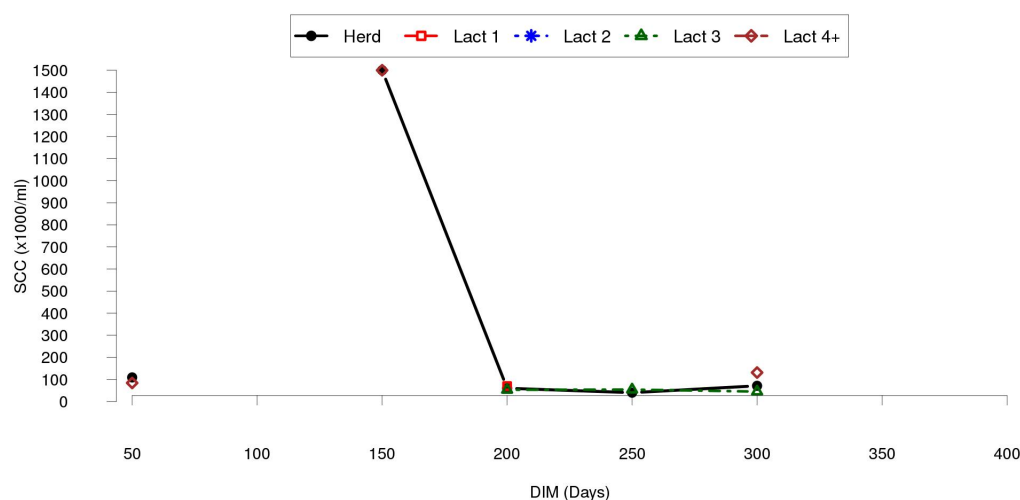


Figure 4: Average Somatic Cell Counts (SCC, x1000/ml) per Day In Milk (DIM)

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.

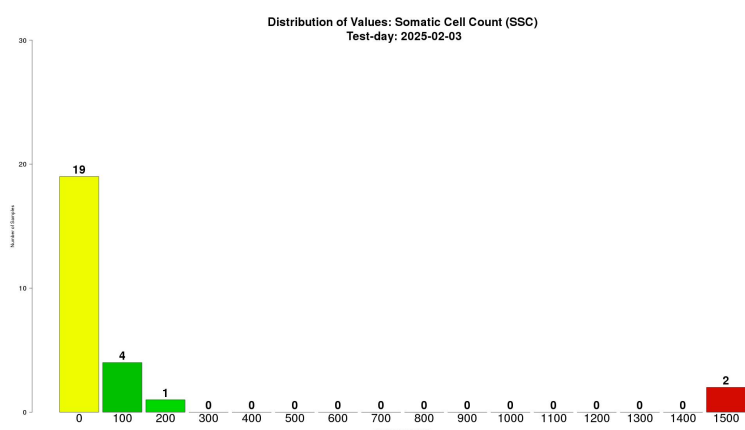


Figure 5: Somatic Cell Count (SCC) Distribution for Test-day (2025-02-03)

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 2025-02-03

SSC Levels	< 100k	100k - 200k	200k - 500k	500k - 800k	800k - 1 500k	> 1 500k
Number Cows	19	4	1	0	0	2
% Cows	73.1 %	15.4 %	3.8 %	0.0 %	0.0 %	7.7 %
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 2025-02-03 for the herd, was 440 000. 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
PA051	AMANDA	6148	4.28	130	5	33

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 2025-02-03	SCC 2024-02-12	SCC 2024-01-22	Production	DIM	Parity	Status
PA051	AMANDA	6148	385	91	33	130	5	N
PE024	ELLIS	3776	-	-	17	368	1	N
BRICS	PB029 BRICS	219	-	-	24	281	4	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 %
PE024	ELLIS	17	368	1	1.23
PF018	FEBS	25	167	1	1.20
PC024	CAMRY	25	231	3	1.20
BRICS	PB029 BRICS	24	281	4	1.17
PC013	CARLA	26	224	3	1.17
PC018	CRISTY	20	292	3	1.14
PA002ANEL	PA002 ANEL	38	17	5	1.13
PZ036ZAKU	PZ036 ZAKUMI	26	12	5	1.13
PC038	CHINA	31	87	4	1.11
PE034	EDWIN	24	130	2	1.11
PF016	FLINK	19	180	1	1.11
PE035	EURO	22	268	2	1.11
PB012	BOLIVIA PB012	27	182	3	1.10
PF013	FREDA	21	228	1	1.10
PA026	AVANGER	23	281	5	1.07
PF009	FELIX	20	284	1	1.06
PE005	ERICA	34	27	2	1.05
PC002	CANDICE	32	162	3	1.05
PA051	AMANDA	33	130	5	1.03
PB054	BIKITA	25	279	3	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	-	-	-	1315	970
PC008	CANOLA	HST	349	349	1	929	659
PD017	DUDU	HST	-	-	-	830	527
ZAJG140004	PX 020 XSEED	HST	423	503	4	1082	527
PC012	CHARMEN	HST	493	493	1	831	465
ZAJG140015	PX041 X1014 XION	HST	579	416	5	1034	445
PC005	CANDY	HST	377	377	1	764	445
ZAJG130015	WILBO PW033	HST	538	492	5	953	445
PB036	BELVA	HST	661	661	1	795	445
PB023	BRANDY PB023	HST	738	738	1	674	445
PA007	AVON	HST	345	364	4	682	432
PY900	YOYO PY 009	HST	631	522	4	704	432
ZAJG170014	AVA	HST	497	524	2	685	410
ZAJG180025	BREEZ	HST	656	656	1	674	408
ZAJG170015	AMOS	HST	668	722	2	546	334
PD007	DINAH	HST	506	506	1	468	334
ZAJG190014	CANNY	HST	377	362	2	560	334
PC007	CHARMA	HST	807	807	1	537	334
ZAJG150056	YIELD PY056	HST	448	416	4	930	334
ZAJG200008	DIPSY	HST	438	438	1	511	334
PC016	CHAROL	HST	394	385	2	532	334
ZAJG210001	EASY	HST	-	-	-	669	334
PZ041ZOLAN	PZ041 ZOLANI	HST	500	466	4	430	334
ZAJG180005	BETTY	HST	383	420	3	574	334
PC035	CHELSEA	HST	324	343	2	441	334
ZAJG180004	BERYL	HST	374	410	3	556	334
PB008	BACCA	HST	360	335	3	476	334
ZAJG170003	PA004 ADEL	HST	448	499	3	678	334
PY014	YEBO PY 014	HST	838	574	4	552	334
ZAJG170010	ANDRE	HST	613	515	3	580	334
ZAJG180021	BERLIN	HST	674	674	1	453	334
ZAJG170004	ANAH	HST	700	531	3	531	334
PZ045ZAIN	PZ045 ZAIN	HST	736	534	2	1143	334
PC050	CARRA	HST	-	-	-	964	334
ZAJG180018	PB032 BRUTUS	HST	581	479	2	531	334
PC023	CYREL	HST	550	439	2	387	334
ZAJG190009	CARNEY	HST	349	302	2	577	334
ZAJG140003	PX014 XEROX	HST	487	511	5	652	334
PB002	BELINDA	HST	522	444	2	608	334
ZAJG180024	BELIA	HST	454	476	2	467	334
PE022	EFF	HST	-	-	-	524	334
ZAJG190013	CARBY	HST	604	604	1	551	334
PE054	PE 054 ECOVID	HST	-	-	-	447	334
ZAJG190031	DIMPO	HST	-	-	-	632	334
ZAJG160002	PZ005 ZETA	HST	425	417	5	461	334
PE044	PE044 EDGE	HST	-	-	-	517	334
ZAJG180020	BIANCA	HST	463	409	2	733	334
PD033	PD033 DRE	HST	-	-	-	538	334

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	-	-	-	1315	-
PZ045ZAIN	PZ045 ZAIN	HST	736	534	2	1143	-
ZAJG140004	PX 020 XSEED	HST	423	503	4	1082	-
ZAJG140015	PX041 X1014 XION	HST	579	416	5	1034	-
ZAJG180026	BIKITA	HST	361	361	1	1020	25
PC050	CARRA	HST	-	-	-	964	-
ZAJG130015	WILBO PW033	HST	538	492	5	953	-
ZAJG170002	PA002 ANEL	HST	287	410	3	947	38
ZAJG180017	PB030 BIBI	HST	472	472	1	942	25
ZAJG150056	YIELD PY056	HST	448	416	4	930	-
PC008	CANOLA	HST	349	349	1	929	-
PC018	CRISTY	HST	366	366	1	892	20
PC012	CHARMEN	HST	493	493	1	831	-
PD017	DUDU	HST	-	-	-	830	-
PB036	BELVA	HST	661	661	1	795	-
ZAJG160013	PZ036 ZAKUMI	HST	489	527	3	764	26
PC005	CANDY	HST	377	377	1	764	-
PA026	AVANGER	HST	402	447	3	735	23
PB019	BONNY	HST	422	422	1	734	22
ZAJG180020	BIANCA	HST	463	409	2	733	-
PY900	YOYO PY 009	HST	631	522	4	704	-
ZAJG170014	AVA	HST	497	524	2	685	-
BRICS	PB029 BRICS	HST	312	355	2	683	24
ZAJG190008	CARLA	HST	598	598	1	682	26
PA007	AVON	HST	345	364	4	682	-
ZAJG170003	PA004 ADEL	HST	448	499	3	678	-
PB023	BRANDY PB023	HST	738	738	1	674	-
ZAJG180025	BREEZ	HST	656	656	1	674	-
ZAJG210001	EASY	HST	-	-	-	669	-
ZAJG208010	BOLIVIA PB012	HST	588	588	1	665	27
ZAJG140003	PX014 XEROX	HST	487	511	5	652	-
ZAJG170051	AMANDA	HST	388	411	3	647	33
ZAJG190023	COX	HST	508	508	1	635	20
ZAJG190031	DIMPO	HST	-	-	-	632	-
PE035	EURO	HST	-	-	-	623	22
ZAJG200002	DOLLY	HST	468	468	1	622	24
ZAJG190019	CANON	HST	523	523	1	620	30
PB002	BELINDA	HST	522	444	2	608	-
PC024	CAMRY	HST	532	532	1	589	25
ZAJG200021	DON	HST	-	-	-	589	22
ZAJG170010	ANDRE	HST	613	515	3	580	-
ZAJG190009	CARNEY	HST	349	302	2	577	-
ZAJG180005	BETTY	HST	383	420	3	574	-
ZAJG190027	COCONUT	HST	568	568	1	573	35
ZAJG190001	CANDICE	HST	653	653	1	562	32
ZAJG190014	CANNY	HST	377	362	2	560	-
ZAJG180004	BERYL	HST	374	410	3	556	-
PY014	YEBO PY 014	HST	838	574	4	552	-
ZAJG190013	CARBY	HST	604	604	1	551	-
ZAJG170015	AMOS	HST	668	722	2	546	-
PD033	PD033 DRE	HST	-	-	-	538	-
PC007	CHARMA	HST	807	807	1	537	-
PC016	CHAROL	HST	394	385	2	532	-
ZAJG180018	PB032 BRUTUS	HST	581	479	2	531	-
ZAJG170004	ANAH	HST	700	531	3	531	-
ZAJG210003	ERICA	HST	-	-	-	524	34
PE022	EFF	HST	-	-	-	524	-
ZAJG170008	ARMY	HST	420	388	4	518	25
PE044	PE044 EDGE	HST	-	-	-	517	-

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
ZAJG200008	DIPSY	HST	438	438	1	511	-
ZAJG210012	EDWIN	HST	-	-	-	506	24
PB008	BACCA	HST	360	335	3	476	-
PD007	DINAH	HST	506	506	1	468	-
ZAJG180024	BELIA	HST	454	476	2	467	-
ZAJG160002	PZ005 ZETA	HST	425	417	5	461	-
ZAJG180021	BERLIN	HST	674	674	1	453	-
PE054	PE 054 ECOVID	HST	-	-	-	447	-
ZAJG160004	PZ007ZOLA	HST	485	480	4	445	-
PC035	CHELSEA	HST	324	343	2	441	-
ZAJG190020	CHINA	HST	504	398	2	441	31
PZ041ZOLAN	PZ041 ZOLANI	HST	500	466	4	430	-