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Logix *Melk/Milk*

Kudde Gesondheids Verslag / Herd Health Report

GLYNTON JERSEYS

T/A INDUMENI FARMS CC

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Test-day: 2024-12-11

Jersey Cows

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HERD HEALTH SUMMARY REPORT

GLYNTON JERSEYS - Jersey Cows

Table 1: Summary for Test-day 2024-12-11 (Number of Samples Tested: 216)

Analysis	Results	Norms*	% Cows outside norms*
Milk Production (kg)	Avg.: 15.5 Median: 15.5		
Butterfat (%)	Avg.: 4.42 Median: 4.27	3.5 % - 6.0 %	Too Low: 17 % Too High: 8 %
Protein (%)	Avg.: 3.76 Median: 3.76	3.0 % - 4.5 %	Too Low: 1 % Too High: 3 %
Lactose (%)	Avg.: 4.73 Median: 4.77	> 4.7 %	Too Low: 38 %
MUN (mg/dl)	Avg.: 7.11 Median: 6.85	8 - 16 mg/dl	Too Low: 71 % Too High: 0 %
SCC (x1000/ml)	Avg.: 72 Median: 33 % < 100 : 80.1 % % < 200 : 93.5 % % < 500 : 98.6 % % > 750 : 0.5 % % > 1 000 : 0.5 % % > 1 500 : 0.5 %	< 200 > 64 % > 75 % > 92 % < 4.8 % < 1 % NONE	Too High: 0 % Too High: 0 % Too High: 0 % Too High: 0 % Too High: 0 % Too High: 0.5 %
Butterfat Protein ratio	Average: 1.2	> 1.0	Too High: 24.1 %

Table 2: Quantification of Specific Cases (% of herd) and Loss in Production on 2024-12-11

Loss in Production due to:		Avg/Median SCC (Number (n)):	
SSC (kg per day):	67.0 (2.0 %)	1st Lact Cows:	77/36 (174)
DIM (kg per day):	0 (0.0 %)	2nd Lact Cows:	53/23 (41)
No. of Cows Under Pressure:	1 (0.5 %)	3rd Lact Cows:	74/74 (1)
No. Cows with SCC > 200k:	14 (6.5 %)	4th Lact Cows:	0/ (0)
No. Cows with SCC > 750k:	1 (0.5 %)	5th Lact Cows:	0/ (0)
No. New Infections:	12 (5.6 %)	6+ Lact Cows:	0/ (0)
No. Recurring Infections:	2 (0.9 %)	Avg. SCC for SCC > 750k (n):	1532 (1)
Cure Rate for SCC > 200k:	35.7 % (20)	Avg. Days In Milk (DIM) for Herd:	141
Cure Rate for SCC > 750k:	44.4 % (4)	Median of DIM for Herd:	134
No. Chronic Infections (SCC > 200k):	0 (0.0 %)	Avg. DIM for SCC < 200k (n):	136 (202)
No. Chronic Infections (SCC > 750k):	0 (0.0 %)	Avg. DIM for SCC > 200k and < 750k (n):	228 (13)
No. of Possible Ketosis Cases:	10	Avg. DIM for SCC > 750k (n):	24 (1)
No. of Possible Acidosis Cases:	52	Avg. Parity for Herd:	1
Avg. Age at First Calf (Months):	26	Avg. Parity for SCC < 200k:	1
Avg. Inter-Calf Period (Days):	392	Avg. Parity for SCC > 200k and < 750k:	1
No. Flushings:	NA	Avg. Parity for SCC > 750k:	1
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	15.5	4.42	3.76	4.73	72	7.11
Top 25%	27.1	5.62	4.14	4.81	37	13.30
Breed Avg	22.3	5.07	3.87	4.64	295	10.89
Bottom 25%	16.8	4.54	3.61	4.53	235	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 216 Jersey Cows

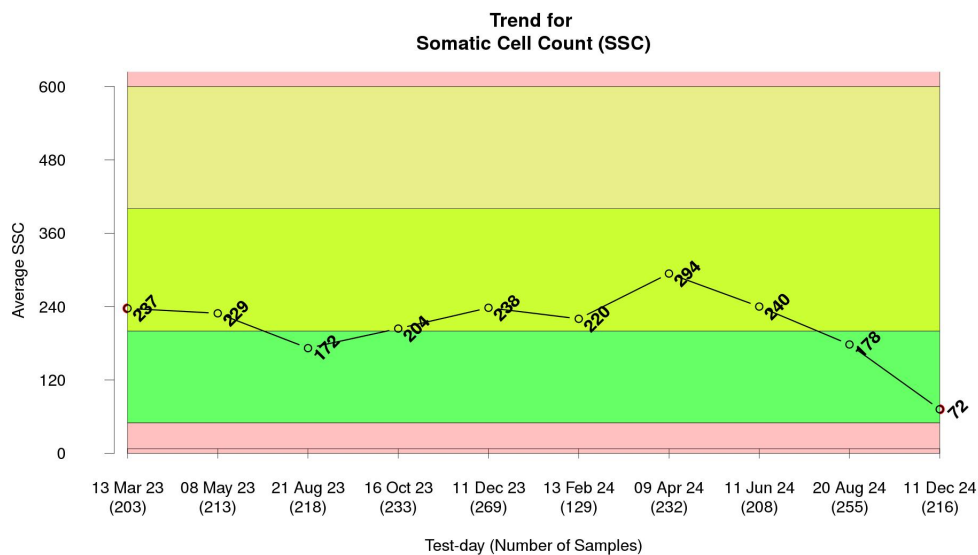
Lactation Group	% of Herd	Early Lactation	Mid Lactation	Late Lactation	% SCC > 200k	% SCC > 750k
1	80.6% (174)	23.6% (51)	48.6% (105)	8.3% (18)	5.6% (12)	0.5% (1)
2	19.0% (41)	10.6% (23)	3.2% (7)	5.1% (11)	0.9% (2)	0.0% (0)
3	0.5% (1)	0.0% (0)	0.0% (0)	0.5% (1)	0.0% (0)	0.0% (0)
4	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
5	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
6+	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
Herd	100.1% (216)	34.2% (74)	51.8% (112)	13.9% (30)	6.5% (14)	0.5% (1)

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 216 Jersey Cows

Lactation Group	Early Lactation		Mid Lactation		Late Lactation	
	% SCC > 200k	% SCC > 750k	% SCC > 200k	% SCC > 750k	% SCC > 200k	% SCC > 750k
1	5.9% (3)	2.0% (1)	6.7% (7)	0.0% (0)	11.1% (2)	0.0% (0)
2	0.0% (0)	0.0% (0)	14.3% (1)	0.0% (0)	9.1% (1)	0.0% (0)
3	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)	0% (0)
5	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)
6+	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)

Table 6: Bulk Tank Results for 2024-12-11 (Number of Samples Tested: 0)

Tank No	Butterfat (%)	Protein (%)	Lactose (%)	SCC (x1000/ml)	MUN (mg/dl)	pH
Calculated Tank	4.37	3.72	4.74	69	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.

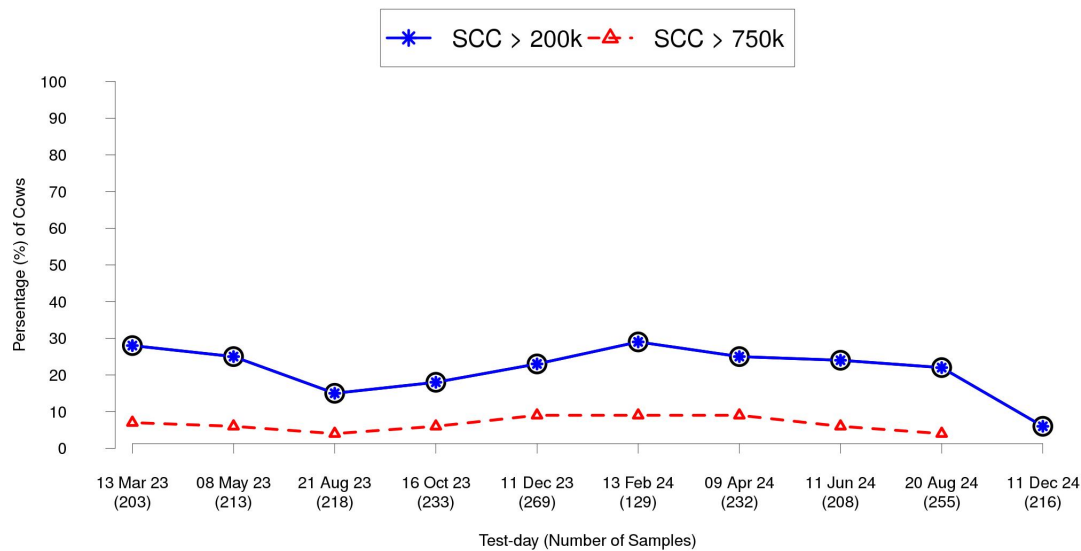


Figure 2: Percentage (%) of Cows with Somatic Cell Counts (SCC) more than 200k and 750k, respectively, per Test-day

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.

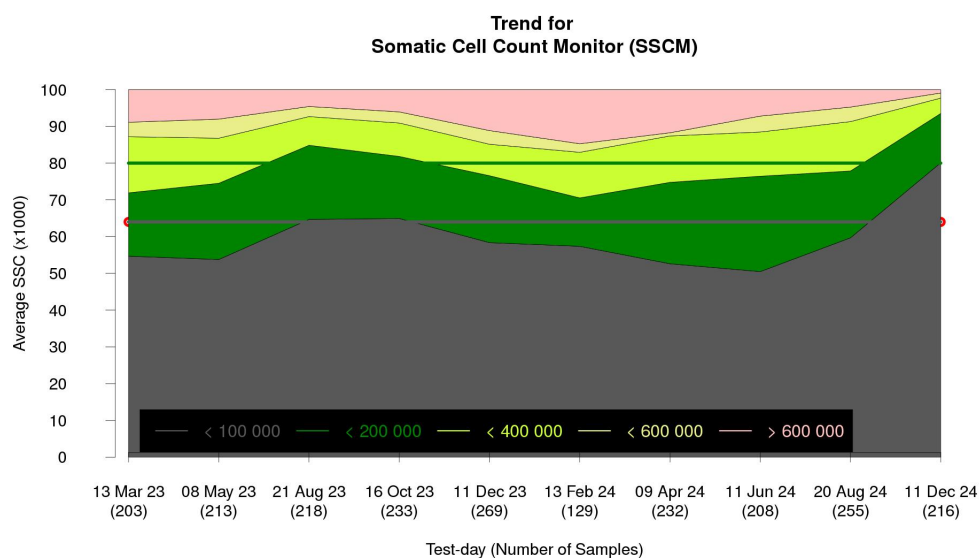


Figure 3: Somatic Cell Count (SCC) Monitor Trend

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.

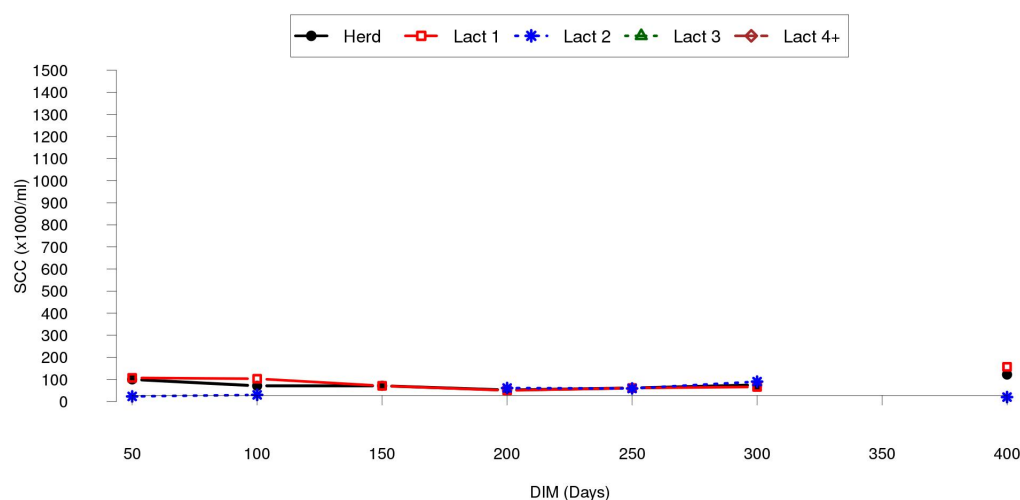


Figure 4: Average Somatic Cell Counts (SCC, x1000/ml) per Day In Milk (DIM)

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.

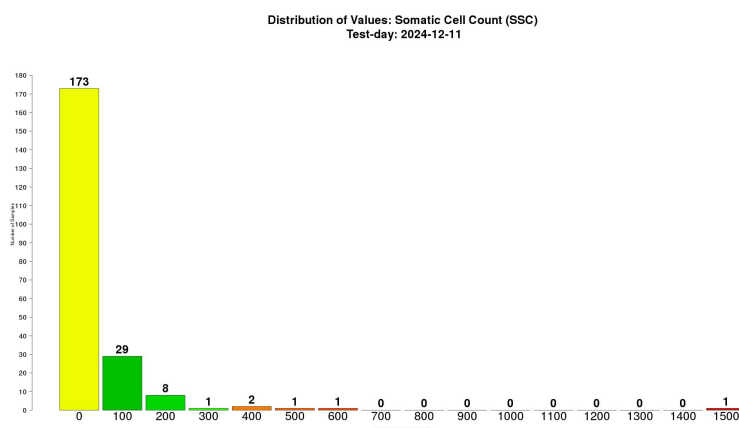


Figure 5: Somatic Cell Count (SCC) Distribution for Test-day (2024-12-11)

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 2024-12-11

SSC Levels	< 100k	100k - 200k	200k - 500k	500k - 800k	800k - 1 500k	> 1 500k
Number Cows	173	29	11	2	0	1
% Cows	80.1 %	13.4 %	5.1 %	0.9 %	0.0 %	0.5 %
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 2024-12-11 for the herd, was 72 000. This figure places the herd in the "Dark Green" SCC Zone and the milk quality is Excellent. Milk loss due to SCC is less than 2 %.

Udder Health: Very little mastitis is present. Monitor individual cows.

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

Cow ID	Name	SCC	Lactose %	DIM	Parity	Production
22468	LADIN PARKER 327	513	4.16	56	1	18.2

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 2024-12-11	SCC 2024-08-20	SCC 2024-06-11	Production	DIM	Parity	Status
22729	PEARL JOJO 528	1532	-	-	12.8	24	1	N
22655	WILMA JOJO 736	659	-	-	14.9	53	1	N
22468	LADIN PARKER 327	513	-	-	18.2	56	1	N
20790	PETRO APOLLO 461	474	234	61	11.6	331	2	N
22441	SNOWQUEEN JOJO 473	410	-	-	15.1	119	1	N
22215	LIESL COZY TWO 135	333	325	-	5.5	134	1	N
20769	SUE DANDI 676	291	210	-	15.7	175	2	N
22205	PETRO COZY 061	255	89	68	18.3	196	1	N
22140	JASMINE MIGHTY 244	248	21	-	15	170	1	N
20658	LILIAN HUZAR 262	234	104	60	12.1	784	1	R
21599	PET LASTER 355	229	129	67	12.6	569	1	R
22663	WILMA LUCAN 071	221	-	-	11.2	113	1	N
22395	LABEL POPEYE 115	215	518	-	14.9	156	1	N
22682	MIMAH GISLEV 022	209	-	-	16	108	1	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
22468	LADIN PARKER 327	18.2	56	1	0.49	JSE
22527	SCARLETT SHAUN 375	19.6	46	1	0.52	JSE
21747	DAM PARKER 267	15.4	58	2	0.53	JSE
21663	SUE POPEYE 214	18	59	2	0.54	JSE
22466	WILMA COZY 435	15.7	50	1	0.56	JSE
22716	JACANA COZY 720	15	21	1	0.62	JSE
22502	MIMAH PARKER 659	14.8	56	1	0.64	JSE
22396	SNOW TROOPER 322	18.9	66	1	0.65	JSE
22416	LULU TROOPER 522	14	85	1	0.65	JSE
21288	IXIA ALVIN 372	13.8	51	2	0.67	JSE

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

Cow ID	Name	Production	DIM	Parity	Prot % to Fat %
22438	NOON PARKER 308	17.1	124	1	1.30
22092	JACKY LANDO 133	17.7	157	1	1.27
22249	JACANA ORIOLE 244	8.9	155	1	1.22
22473	WILMA MIGHTY 696	14.6	134	1	1.21
22665	IDEA LUCAN 372	15.6	120	1	1.21
22265	LULU PARKER 071	14.6	153	1	1.21
21577	TWILIGHT LUKE 319	24.3	53	2	1.19
22434	WILAMENA TROOPER 905	17	120	1	1.19
21742	MIMAH PARKER 146	13.9	272	1	1.18
22410	WILAMENA LUCAN 649	17.5	122	1	1.18
22065	WILMA LANDO 225	15.3	129	1	1.17
21375	WILAMENA ALVIN 269	21.5	65	2	1.16
21901	UDINE LANDO 493	19.8	77	2	1.16
21875	WILTED ORIOLE 754	15.4	187	1	1.15
22055	QUEEN LANDO 402	15.7	161	1	1.15
22672	PETRO TROOPER 415	17.2	16	1	1.15
22652	MIMAH PARKER 029	17.7	59	1	1.13
21792	WILAMENA GISLEV 290	17	169	1	1.13
22693	LADY JOJO 766	18.5	77	1	1.13
21440	IXIA ALVIN 331	19.5	80	2	1.13
22185	PETRO LANDO 293	17	144	1	1.13
22523	WILMA JOJO 749	16.3	9	1	1.12
22350	ILMA TROOPER 492	17.7	129	1	1.12
22341	NOEL TROOPER 469	13.8	154	1	1.12
22723	IDILLIC LAWSON 908	16.7	10	1	1.11
22143	IXORA DAVE 075	16.2	169	1	1.11
20790	PETRO APOLLO 461	11.6	331	2	1.11
22215	LIESL COZY TWO 135	5.5	134	1	1.11
22354	IVORY COZY 298	13.7	175	1	1.10
22310	MIMAH TROOPER 363	17.1	174	1	1.09
22316	TRIXIE PARKER 308	10.2	157	1	1.09
22049	JACANA COZY 277	8.5	172	1	1.09
22454	MOSS TROOPER 863	15.1	52	1	1.08
22263	DAPHNE DAVE 172	14.3	188	1	1.08
22586	JASMINE LAWSON 919	16.3	48	1	1.08
21693	IDEA HIWE 409	23.9	55	2	1.08
21453	STEPHANIE GISLEV 548	15.9	180	2	1.07
22460	DAZZEL PARKER 541	17.8	38	1	1.07
22476	PETRO POPEYE 393	18.6	75	1	1.06
22533	LOUISE JOJO 367	14.2	56	1	1.06
22285	IXIA TROOPER 270	14.1	161	1	1.06
22228	JACANA SHAUN 176	19.4	93	1	1.06
21686	SNOWQUEEN LUKE 066	19.9	54	2	1.06
22690	IDA LAWSON 599	17.9	58	1	1.05
22633	PETRO JOJO 718	15.9	13	1	1.04
22298	WILMA MIGHTY 211	14.8	157	1	1.04
22697	PETRO LAWSON 614	16.2	24	1	1.04
22394	WILAMENA LANDO 547	14.2	147	1	1.04
22089	LADIN POPEYE 350	15	203	1	1.04
21830	PETRO LALUCIA 355	16.7	229	1	1.03
22408	JEAN PARKER 200	13.9	126	1	1.02
22244	STEPHANIE IANTO 143	18.2	178	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
17895	GLYNTON MOSS 17116	JSE	583	588	2	931	350
20641	DAZZLE HAMLET 110	JSE	357	357	1	443	294
DG 160223	PETRO LEXICON 307	JSE	454	427	4	573	266
21863	WILAMENA LANDO 132	JSE	-	-	-	286	266
DG 170229	NOEL TARHEEL 163	JSE	458	428	4	365	259
16149	MIMAH WALTER 427	JSE	489	484	4	618	203
12132	SOLATAIRE ZUMA 111	JSE	347	365	10	293	196
DG 210169	LOUISE CRAZE 286	JSE	364	364	1	281	175
DG 190131	DAPHNE QUINTANA 131	JSE	329	347	3	341	70
DG 200654	LABEL LALUCIA 550	JSE	351	351	1	440	70
DG 200066	SNOWQUEEN GARANT 279	JSE	445	418	2	344	63

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
17895	GLYNTON MOSS 17116	JSE	583	588	2	931	-
DG 200658	LILIAN HUZAR 262	JSE	-	-	-	788	12.1
20655	JACANA COTTAGE 756	JSE	-	-	-	756	14
20671	NINA ALVIN 371	JSE	-	-	-	740	-
16149	MIMAH WALTER 427	JSE	489	484	4	618	-
DG 210599	PET LASTER 355	JSE	-	-	-	573	12.6
DG 160223	PETRO LEXICON 307	JSE	454	427	4	573	-
21241	PETRO GISLEV 449	JSE	-	-	-	544	-
21056	SILVER GISLEV 203	JSE	-	-	-	520	-
DG 210396	MAID GISLEV 448	JSE	-	-	-	517	-
21207	LOUDINE WILL 751	JSE	-	-	-	483	11
18372	IXIA DEWEY 276	JSE	413	371	3	481	-
21649	MOSS ORIOLE 194	JSE	-	-	-	477	16.4
DG 210178	LABEL ALVIN 012	JSE	-	-	-	471	-
20641	DAZZLE HAMLET 110	JSE	357	357	1	443	-
DG 200654	LABEL LALUCIA 550	JSE	351	351	1	440	-
DG 190765	PENNELOPE GARANT 362	JSE	352	344	2	432	-
DG 200540	GIRL JOCKO 240	JSE	498	498	1	430	-
16125	JASMINE JACKO 255	JSE	468	415	5	423	-
20598	TRIXIE LUCAN 423	JSE	438	438	1	412	-
20759	SNOWQUEEN MERLIN 555	JSE	409	409	1	409	-
21820	IDA LANDO 192	JSE	-	-	-	405	18.9
20665	MAGNOLIA ALVIN 060	JSE	392	392	1	403	12