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STUD BOOK

Logix *Melk/Milk*

Kudde Gesondheids Verslag / Herd Health Report

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Test-day: 2025-05-13

Jersey Cows

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List of Tables

1	Summary for Test-day 2025-05-13 (Number of Samples Tested: 74)	2
2	Quantification of Specific Cases (% of herd) and Loss in Production on 2025-05-13	2
3	Benchmark: Herd with the Top 25%, Average and Bottom 25% for different traits tested the last month of for Jersey Cows	2
4	Summary of Somatic Cell Counts per Lactation Group in the herd for 74 Jersey 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 74 Jersey Cows	3
6	Bulk Tank Results for 2025-05-13 (Number of Samples Tested: 0)	3
7	Somatic Cell Count (SSC) distribution and Milk Loss Monitor 2025-05-13	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

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 (2025-05-13)	5

HERD HEALTH SUMMARY REPORT

REID - Jersey Cows

Table 1: Summary for Test-day 2025-05-13 (Number of Samples Tested: 74)

Analysis	Results	Norms*	% Cows outside norms*
Milk Production (kg)	Avg.: 20.3 Median: 20.0		
Butterfat (%)	Avg.: 5.54 Median: 5.55	3.5 % - 6.0 %	Too Low: 0 % Too High: 27 %
Protein (%)	Avg.: 4.29 Median: 4.25	3.0 % - 4.5 %	Too Low: 1 % Too High: 35 %
Lactose (%)	Avg.: 4.50 Median: 4.56	> 4.7 %	Too Low: 77 %
MUN (mg/dl)	Avg.: 14.61 Median: 14.25	8 - 16 mg/dl	Too Low: 1 % Too High: 28 %
SCC (x1000/ml)	Avg.: 624 Median: 99 % < 100 : 50.0 % % < 200 : 64.9 % % < 500 : 83.8 % % > 750 : 10.8 % % > 1 000 : 6.8 % % > 1 500 : 5.4 %	< 200 > 64 % > 75 % > 92 % < 4.8 % < 1 % NONE	Too High: 14.0 % Too High: 10.1 % Too High: 8.2 % Too High: 6.0 % Too High: 5.8 % Too High: 5.4 %
Butterfat Protein ratio	Average: 1.3	> 1.0	Too High: 1.4 %

Table 2: Quantification of Specific Cases (% of herd) and Loss in Production on 2025-05-13

Loss in Production due to:		Avg/Median SCC (Number (n)):	
SSC (kg per day):	135.2 (9.0 %)	1st Lact Cows:	105/38 (13)
DIM (kg per day):	290.4 (19.3 %)	2nd Lact Cows:	970/81 (11)
No. of Cows Under Pressure:	9 (12.2 %)	3rd Lact Cows:	1151/72 (20)
No. Cows with SCC > 200k:	26 (35.1 %)	4th Lact Cows:	184/105 (10)
No. Cows with SCC > 750k:	8 (10.8 %)	5th Lact Cows:	127/55 (5)
No. New Infections:	21 (28.4 %)	6+ Lact Cows:	576/360 (15)
No. Recurring Infections:	5 (6.8 %)	Avg. SCC for SCC > 750k (n):	4546 (8)
Cure Rate for SCC > 200k:	30.4 % (7)	Avg. Days In Milk (DIM) for Herd:	226
Cure Rate for SCC > 750k:	75.0 % (6)	Median of DIM for Herd:	187
No. Chronic Infections (SCC > 200k):	0 (0.0 %)	Avg. DIM for SCC < 200k (n):	210 (48)
No. Chronic Infections (SCC > 750k):	0 (0.0 %)	Avg. DIM for SCC > 200k and < 750k (n):	251 (18)
No. of Possible Ketosis Cases:	2	Avg. DIM for SCC > 750k (n):	268 (8)
No. of Possible Acidosis Cases:	1	Avg. Parity for Herd:	4
Avg. Age at First Calf (Months):	24	Avg. Parity for SCC < 200k:	3
Avg. Inter-Calf Period (Days):	483	Avg. Parity for SCC > 200k and < 750k:	5
No. Flushings:	NA	Avg. Parity for SCC > 750k:	4
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	20.3	5.54	4.29	4.50	624	14.61
Top 25%	24.8	6.23	4.51	4.69	45	18.25
Breed Avg	20.0	5.51	4.18	4.49	297	14.29
Bottom 25%	14.4	4.88	3.86	4.34	239	9.90

*** 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 74 Jersey Cows

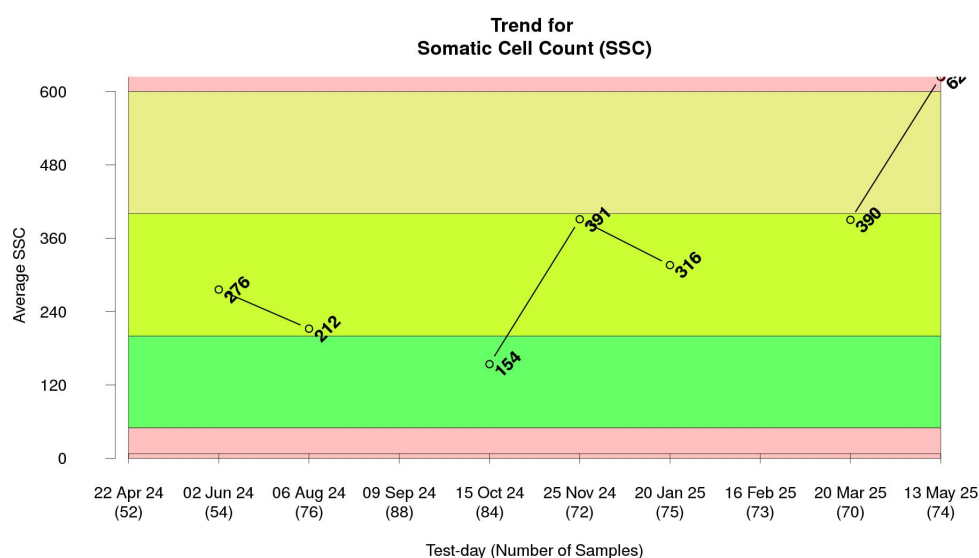
Lactation Group	% of Herd	Early Lactation	Mid Lactation	Late Lactation	% SCC > 200k	% SCC > 750k
1	17.6% (13)	1.4% (1)	9.5% (7)	6.8% (5)	4.1% (3)	0.0% (0)
2	14.9% (11)	4.1% (3)	2.7% (2)	8.1% (6)	1.4% (1)	1.4% (1)
3	27.0% (20)	12.2% (9)	5.4% (4)	9.5% (7)	8.1% (6)	5.4% (4)
4	13.5% (10)	1.4% (1)	4.1% (3)	8.1% (6)	2.7% (2)	1.4% (1)
5	6.8% (5)	1.4% (1)	1.4% (1)	4.1% (3)	2.7% (2)	0.0% (0)
6+	20.3% (15)	5.4% (4)	2.7% (2)	12.2% (9)	16.2% (12)	2.7% (2)
Herd	100.1% (74)	25.9% (19)	25.8% (19)	48.8% (36)	35.2% (26)	10.9% (8)

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 74 Jersey 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)	28.6% (2)	0.0% (0)	20.0% (1)	0.0% (0)
2	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	16.7% (1)	16.7% (1)
3	22.2% (2)	22.2% (2)	0.0% (0)	0.0% (0)	57.1% (4)	28.6% (2)
4	0.0% (0)	0.0% (0)	33.3% (1)	0.0% (0)	16.7% (1)	16.7% (1)
5	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	66.7% (2)	0.0% (0)
6+	100.0% (4)	0.0% (0)	50.0% (1)	0.0% (0)	77.8% (7)	22.2% (2)

Table 6: Bulk Tank Results for 2025-05-13 (Number of Samples Tested: 0)

Tank No	Butterfat (%)	Protein (%)	Lactose (%)	SCC (x1000/ml)	MUN (mg/dl)	pH
Calculated Tank	5.45	4.21	4.54	411	15	

**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.

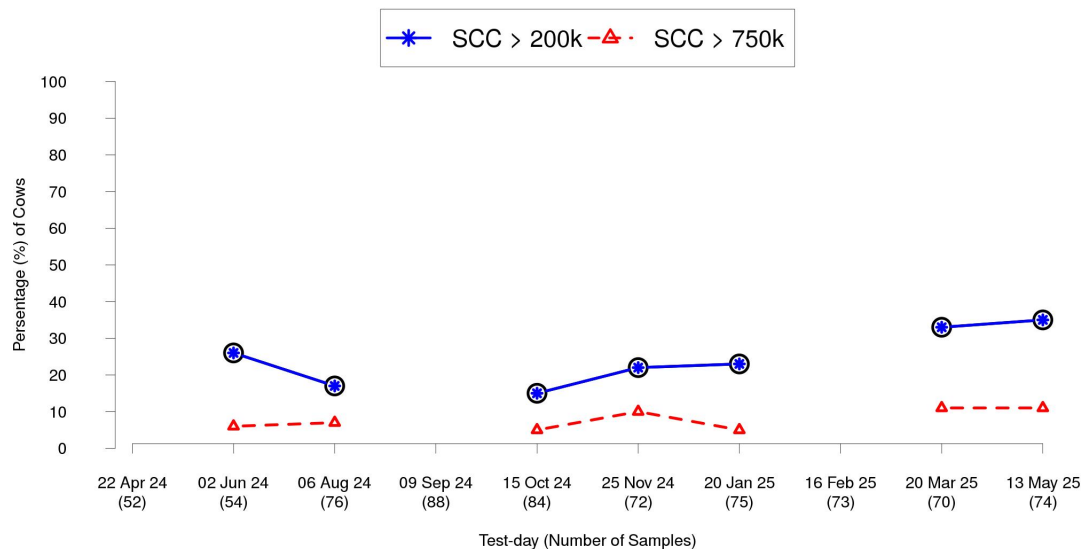


Figure 2: Percentage (%) of Cows with Somatic Cell Counts (SCC) more than 200k and 750k, respectively, per Test-day

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.

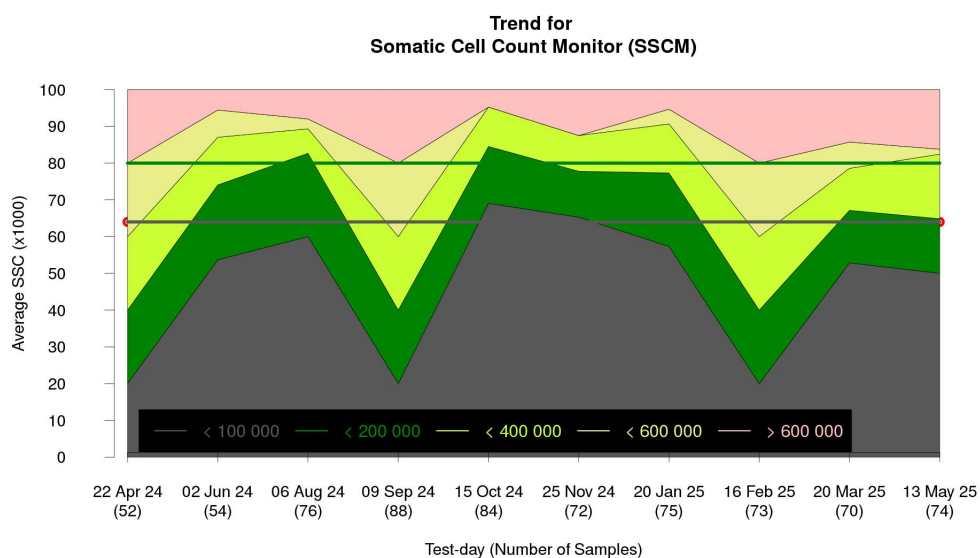


Figure 3: Somatic Cell Count (SCC) Monitor Trend

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.

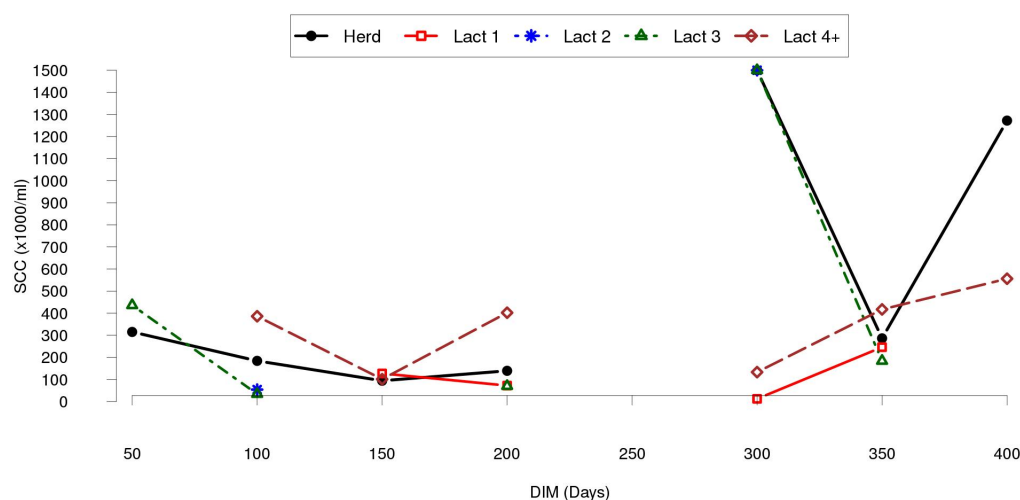


Figure 4: Average Somatic Cell Counts (SCC, x1000/ml) per Day In Milk (DIM)

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.

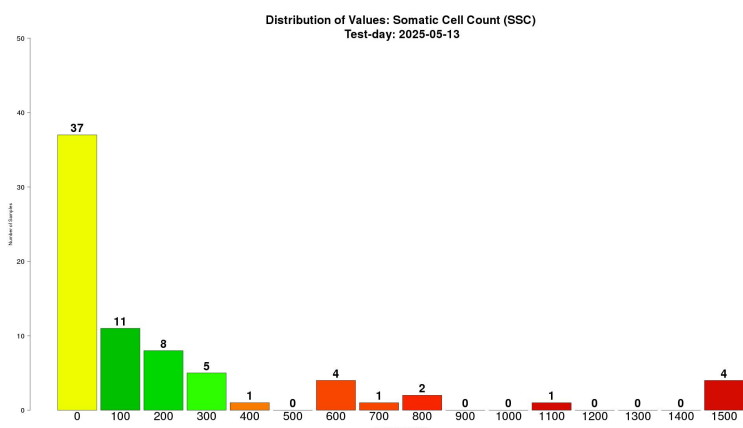


Figure 5: Somatic Cell Count (SCC) Distribution for Test-day (2025-05-13)

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 2025-05-13

SSC Levels	< 100k	100k - 200k	200k - 500k	500k - 800k	800k - 1 500k	> 1 500k
Number Cows	37	11	14	5	3	4
% Cows	50.0 %	14.9 %	18.9 %	6.8 %	4.1 %	5.4 %
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 2025-05-13 for the herd, was 624 000. This figure places the herd in the "Orange" SCC Zone and the milk quality is Poor. Milk loss due to SCC is between 8 and 10 %.

Udder Health: Mastitis infections are evident and needs slight improvement. Your mastitis control program needs improvement. Consult your veterinarian and/or registered animal scientist for assistance. Due to high somatic cell counts, your ability to supply milk is at risk.

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

Cow ID	Name	SCC	Lactose %	DIM	Parity	Production
1967	ROMA 18	9999	3.61	269	3	12
2017	ROMA 51	9999	4.03	421	3	10
1951	ROMA 8	9999	3.75	273	2	8
1324	ZEN 6	2696	3.33	369	9	13.8
1617	LARIO 3	1181	4.16	323	7	17
1811	PUTT 29	851	4.38	436	4	13
2055	ROMA 89	771	4.37	11	3	30
1651	PUTT 7	665	4.54	169	6	29
1741	PUTT 22	658	4.53	85	6	25

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 2025-05-13	SCC 2025-03-20	SCC 2025-02-16	Production	DIM	Parity	Status
1967	ROMA 18	9999	56	-	12	269	3	N
2017	ROMA 51	9999	488	-	10	421	3	R
1951	ROMA 8	9999	107	-	8	273	2	R
1324	ZEN 6	2696	121	-	13.8	369	9	N
1617	LARIO 3	1181	169	-	17	323	7	N
2134	GLOSS 122	872	-	-	25	38	3	N
1811	PUTT 29	851	1444	-	13	436	4	N
2055	ROMA 89	771	-	-	30	11	3	N
1651	PUTT 7	665	1194	-	29	169	6	N
1741	PUTT 22	658	262	-	25	85	6	N
1510	ZEN 17	636	37	-	23	91	8	N
1708	NOOK 3	602	4875	-	25	75	6	N
2256	PUTT 210	475	1307	-	17	333	1	N
1410	HOLM 2	383	291	-	12	336	8	R
1653	PUTT 9	360	-	-	25	42	6	N
1322	ZEN 4	343	406	-	16.4	409	9	N
2010	NOOK 44	342	266	-	15	330	3	R
1304	MAYO 3	311	615	-	22	264	9	N
1754	HUSK 6	285	231	-	11	361	5	N
1418	HEK 1	283	4412	-	21.4	525	6	N
2042	PUTT 76	259	94	-	23	263	3	N
1957	ROMA 11	250	835	-	27	116	4	N
1521	JESS 1	248	53	-	20	336	7	N
1726	NOOK 4	230	82	-	15	502	5	R
2334	CORA 251	216	132	-	20.2	106	1	N
2343	SILO 243	202	465	-	17	175	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
1813	ASH 3	30	87	5	0.61	JSE
2048	VIOLA 82	29	23	3	0.64	JSE

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

Cow ID	Name	Production	DIM	Parity	Prot % to Fat %
2211	PUTT 165	26	41	2	1.02

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
1403	ZEN 8	JSE	424	425	6	793	220
NEU 170001	PUTT 10	JSE	402	848	2	654	184

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
NEU 210023	DASH 111	JSE	-	-	-	859	16
NEU 200016	ROMA 50	JSE	-	-	-	813	-
1403	ZEN 8	JSE	424	425	6	793	-
NEU 190021	OVI 12	JSE	763	763	1	754	16
1628	LARIO 8	JSE	1481	924	2	726	-
NEU 160053	PUTT 9	JSE	540	417	4	715	25
NEU 170001	PUTT 10	JSE	402	848	2	654	-
NEU 190058	ROMA 12	JSE	436	420	2	626	-
1418	HEK 1	JSE	937	656	4	530	21.4
NEU 170026	NOOK 4	JSE	560	433	4	506	15
1533	DOT 9	JSE	351	439	5	506	-
NEU 190025	OVI 16	JSE	551	521	2	494	30
2211	PUTT 165	JSE	-	-	-	489	26
2051	PUTT 85	JSE	362	362	1	482	32
NEU 200048	VIOLA 82	JSE	535	535	1	478	29
NEU 210006	AMY 96	JSE	476	476	1	477	29
1519	DOT 5	JSE	678	469	5	468	-
NEU 200055	ROMA 89	JSE	541	541	1	465	30
NEU 220014	OBAN 168	JSE	-	-	-	448	27
1811	PUTT 29	JSE	408	476	3	440	13
2124	GLOSS 112	JSE	506	506	1	433	-
NEU 210034	GLOSS 122	JSE	366	366	1	429	25
NEU 200017	ROMA 51	JSE	-	-	-	426	10
1961	ROMA 14	JSE	819	819	1	425	31
NEU 170046	NOOK 12	JSE	425	831	2	424	-
1643	PUTT 4	JSE	579	677	3	424	16
NEU 140005	ZEN 9	JSE	460	485	6	418	-
NEU 130022	ZEN 4	JSE	453	523	6	413	16.4
2223	PUTT 177	JSE	-	-	-	411	-
NEU 220022	PUTT 176	JSE	-	-	-	401	23