


Breed HO		Herd Summary				41-73-2105	DHI-302
Type Test 41-OS-AP		Prev. Test 05-12-2023	Test Date 05-20-2023	Days 8	Processed 05-22-2023	FUCHS+KERFELD DAIRY	String = HERD FRep = 73RG

Peak and Persistence Peak Milk Lact 1 is Yellow if Peak Ratio (1st/Others) is < .70 (Indicates under performance versus older cows) Peak Milk Lacts 2/3+ are Yellow if Peak Ratio (1st/Others) is > .85 (Indicates under performance versus younger cows)		Highlighting Legend (Number of Cows in Herd/String must be Greater than 40)		Dry Period Summary <table border="1"> <tr> <th rowspan="2">Avg Days</th> <th colspan="3">Cows by Days Dry</th> </tr> <tr> <th>< 40</th> <th>40 - 70</th> <th>> 70</th> </tr> <tr> <td>50</td> <td>3</td> <td>34</td> <td>1</td> </tr> <tr> <td></td> <td>8%</td> <td>89%</td> <td>3%</td> </tr> </table>		Avg Days	Cows by Days Dry			< 40	40 - 70	> 70	50	3	34	1		8%	89%	3%
Avg Days	Cows by Days Dry																			
	< 40	40 - 70	> 70																	
50	3	34	1																	
	8%	89%	3%																	
Current SCC Evaluation Yellow if % Infected >= 25 for Lact 1, >= 35 for Lact 2, >= 45 for Lact 3+ Yellow if % Cows by Linear Score 7,8,9 >= 5 for Lact 1, >= 10 for Lact 2, >= 15 for Lact 3+		Yearly SCC Summary Lact 1 DIM < 30 is Yellow if >= 34% (Ideally should be < 20%)		Changes in SCC Status Cures >= 20% are Green if at least 8% higher than New Infections New Infections >= 15% are Yellow if at least 8% higher than Cures (New Infections ideally should be < 8%)																
		Production Averages MLM is Green if 10+% increase from previous test and is Yellow if 10+% decrease from previous test. Fresh Infections are Yellow if >= 30% of Fresh Cows (Min. 10 Fresh Cows. Fresh infections should be < 20%)																		

Peak and Persistence									
305 ME		Prod Index	Lact	Cows	DIM	Peak		MLM	
Milk	\$ Value					DIM	Milk	Current	C-L
26,687	4,888	99	1	56	186	86	79	94	+6.9
27,410	5,114	104	2	28	172	79	99	95	+4.9
26,044	4,637	94	3+	11	203	77	108	93	+4.5
26,821	4,925	100	All	95	184	83	89	94	+6.0

Peak Ratio (1st/Others) is 0.78

Daily Milk	
DHI	7432
Sold	7450
Shipped %	100
Value \$	1477
\$ / cwt	19.88

Current SCC Evaluation							
Cows	SCC LS	% Infected	Lact	% Cows by Linear Score			
				0,1	2,3	4,5,6	7,8,9
49	1.5	10	1	57	29	14	
25	1.4	4	2	52	36	12	
11	0.6		3+	91	9		
85	1.4	7	All	60	28	12	

30-Day Production Lost from High SCC is 1332 Lbs with a \$ Loss of 272

Management Level Milk								
Annual Summary			All Cows	Lact	All Cows	Current Test		
Days in Milk						Days in Milk		
< 100	100 - 200	> 200				< 100	100 - 200	> 200
77	80	82	80	1	94	88	100	94
85	86	90	87	2	95	100	94	93
77	77	89	81	3+	93	86	83	102
79	81	85	82	All	94	92	95	95

Based on 8 Tests

Yearly SCC Summary			
Lact	% Infected by DIM		
	< 30	30 - 220	> 220
1	39	18	17
2	29	14	8
3+	21	46	33
All	33	22	17

Based on 781 Samples

Changes in SCC Status (Distribution of Cows Sampled)			
Annual Fresh vs Dry Off (%)		Current vs Last Test (%)	
Cures	Chronics	Cures	Chronics
11	6	17	1
Negatives	New Infections	Negatives	New Infections
54	29	76	6

Based on 35 Cows Sampled

Based on 83 Cows Sampled

Production Averages																				
Rolling Herd			Test Day				Date	Quantity						Quality						
Milk	Fat	Pro	All Cows	% in Milk	Milk	% Shipped		Milk Cows	Fresh Cows	DIM	Milk	MLM	% Fat	% Pro	Raw SCC	LS SCC	Number Infections	Fresh Infections	New Infections	
24,453	1046	818	95	91	78	100	86	1	184	86	94	4.3	3.3	64	1.4	6		5	6	
24,491	1045	817	94	94	75	101	88	5	183	81	88	4.4	3.3	260	2.4	16	3	8	9	
24,346	1038	812	109	95	71	102	104	9	195	74	80	4.3	3.4	229	2.6	22	2	6	6	
24,259	1032	808	110	98	76	105	108	17	189	77	83	4.3	3.4	206	2.8	32	6	17	16	
24,280	1037	811	113	91	67	101	103	23	158	74	78	4.4	3.4	262	2.7	21	8	7	7	
24,491	1044	818	114	87	63	99	99	12	173	73	79	4.3	3.4	333	2.3	16	1	6	6	
24,848	1053	829	123	89	61	101	110	27	171	69	77	4.4	3.3	306	2.9	27	5	12	11	
25,385	1068	842	120	87	60	98	104	20	190	69	79	4.0	3.2	325	2.9	24	3	10	10	
Averages >			110	91	69	101	100	14	180	75	82	4.3	3.3	248	2.5	21	4	9	9	
25,729	1081	851	118	92	67	100	Dropped	109	19	187	72	79	4.1	3.2	279	2.6	21	4	10	10

Breed
HO
Type Test
41-OS-AP



Consultant Summary

41-73-2105
FUCHS+KERFELD DAIRY

DHI-302

Prev. Test 05-12-2023 Test Date 05-20-2023 Days 8 Processed 05-22-2023

String = HERD
FRep = 73RG

Herd Genetic Profile (Source: CDCB)													
Service Sires							Group	Animal PTA			Sire PTA		
Num Bred	Progeny Test			Genomic				Num	NM\$	% Rank	% AI	NM\$	% Rank
	%	NM\$	% Rk	%	NM\$	% Rk							
70	81		61	7		76	Calves	61	+145		100	+290	57
42	64	+531	53	12	+521	88	Yearlings	83	+170	29	89	+342	46
24	58	+558	51	12	+446	78	Lact 1		+0		100	+525	41
11	64	+482	43				Lact 2		+0		100	+569	49
							Lact 3+		+0		82	+314	29
77	62	+532	51	10	+493	84	Cows		+0		98	+515	42

Inventory					
% Herd	Group	Age	Num	% Identified	
				Sire	Dam
	Calves	0-07	61	100	100
	Yearlings	1-09	93	100	100
	Youngstock	1-03	154	100	100
59	Lact 1	2-01	56	100	100
29	Lact 2	3-02	28	100	100
12	Lact 3+	4-09	11	100	100
	Cows	2-08	95	100	100

Cows Entering and Leaving Herd											
Number Entered	Number Left	Lact	Reason for Leaving								% Turnover
			Dairy	Low Milk	Repro	Sick	Mastitis	Ft/Legs	Died	Other	
55	29	1	6	6	2		6	1	5	3	31
	20	2	3	1	1		5	1	6	3	21
	29	3+	9	2	2		6	1	7	2	31
55	78	All	18	9	5		17	3	18	8	82
		Left Herd	23%	12%	6%		22%	4%	23%	10%	

Reproduction Summary			
Breeding Herd		Cows	Heifers
Animals		86	93
Animals Served (%)		90	75
Waiting Period (days or mo)		70	13
First Served (<100 days or 15 mo) (%)		57	42
Time to First Services (days or mo)		96	14
Services per Animal		1.7	2.2
Open Period (<150 days or 17 mo) (%)		43	47
Min Calving Interval (months)		13.0	25.3
Heat Detection Index (%)		35	
Pregnant Animals		Cows	Heifers
Animals		47	57
Conceived at First Service (%)		62	54
Services per Conception		1.7	2.1
Pregnancy Rate (%)		15	
Open Period (days or mo)			15
Calving Interval (months)		12.5	24.5
CI - Standard Deviation (months)			

Monthly Herd Turnover													
	History						Test	Planning					
	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Total Cows	109	113	111	110	111	109	97	99	103	108	111	112	116
Cows Milking	87	92	99	108	99	83	85	85	85	92	99	100	101
Heifers Calving	4	5			3	4	5	6	8	10	8	6	9
Cows Calving	1	7			1	1	2	6	6	8	11	5	7
Cows Dried Off	5	5			3	2	7	8	10	6	7	5	10
Cows Dry	22	21	12	2	12	26	12	14	18	16	12	12	15
Cows Left	9		6	10	2		18	4	4	5	5	5	5

% Left Non-Dairy by 60 DIM				
Lact	1 Month	3 Months	6 Months	12 Months
1	0	0	0	3
2	0	0	12	11
3+	0	20	13	18
All	0	5	7	8

Birth Summary										
Dam's Lact Num	Offspring Born								Calving Difficulty Score	
	Males		Females		1	2	3	4 & 5		% 4+5
	Alive	Dead	Alive	Dead						
1	2		48	5	53	1	1			
2+	28		31		57		1	1	2	
Total	30		79	5	110	1	2	1	1	

Service or Heat Intervals (Number)	
< 18 Days	14
18-24 Days	156
36-48 Days	17
Other	33

Management Calving Interval = 13.7 Months

CONDENSED DHI REPORT
DHI-365

41-73-2105
FUCHS+KERFELD DAIRY

Test Date: 05-20-2023
Processed: 05-22-2023
Page 1 of 4

Test Type & Description	Breed
41 Owner Sampled AP	HO

95 Cows	154 Heifers
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Herd Average	Test	RHA
Number Cows	95	110
In Milk	91%	91%
Milk Lbs	78	24453
Fat Lbs	3.4	1046
Pro Lbs	2.6	818
Milk Sold	100%	101%
Milk Value	\$15.76	\$5377
Feed Cost		
Income/FC		
FC/Milk Cwt		
Milk Price	\$19.88	\$21.63

Herd Average SCC	
Cells	64
Linear	1.4

Description	1st	2nd	3rd+
Age in Months	25	38	57
ME Milk	26687	27410	26044
Peak Milk	79	99	108
Peak Ratio	0.78		

Yearly SCC Summary			
% Positive by DIM			
	<30	30-220	>220
1st	39	18	17
2nd	29	14	8
3rd+	21	46	33
All	33	22	17

	Herd Turnover		
	1st	2nd	3rd+
Entered	50%		
Left	26%	18%	26%

Average Sire NIM\$		
	Sire	Service Sire
Calves	+319	
Yearlings	+342	+550
1st Lactation	+525	+529
2nd Lactation	+569	+538
3rd+Lactation	+314	+482

Reproductive Summary			
	Cows	Heifers	
Pregnant	47	57	
First Heat	45DA	453MO	
In Heat by 60 Days	81%		
Apparent Waiting Period	70DA	13MO	
First Bred	96DA		
Open	121DA	15.4MO	
Heat Detection Index	35		
Services Per Conception	1.7	2.1	
Min Calving Interval	12.6MO	24.8MO	
Extended CI Cows	21%		
Average Days Dry	50		
Dry 40-70 Days	89%		

Identification		
	Sire	Complete
Calves	100%	100%
Yearlings	100%	89%
1st Lactation	100%	100%
2nd Lactation	100%	100%
3rd+Lactation	100%	100%

TestDate	#Cows	InMilk	DIM	Milk	%Fat	%Pro	MLM	MUN	SCC	%POS	RHA	%Fat	%Pro
05-20-23	95	86	184	86	4.3	3.3	94	12	1.4	7	24453	4.3	3.4
05-12-23	94	88	183	81	4.4	3.3	88	11	2.4	19	24491	4.3	3.3
04-18-23	109	104	195	74	4.3	3.4	80	11	2.6	21	24346	4.3	3.3
03-01-23	110	108	189	77	4.3	3.4	83	12	2.8	30	24259	4.3	3.3
12-29-22	113	103	158	74	4.4	3.4	78	13	2.7	22	24280	4.3	3.3
11-08-22	114	99	173	73	4.3	3.4	80	11	2.3	16	24491	4.3	3.3
09-23-22	123	110	171	69	4.4	3.3	77	11	2.9	26	24848	4.2	3.3
08-09-22	120	104	190	69	4.0	3.2	79	10	2.9	25	25385	4.2	3.3
06-10-22	118	109	187	72	4.1	3.2	79	12	2.6	20	25729	4.2	3.3
04-16-22	115	108	196	76	4.3	3.3	83	12	2.4	16	25928	4.2	3.3
03-05-22	116	109	186	78	4.2	3.3	84	11	2.4	18	26109	4.2	3.3
01-29-22	116	107	188	74	4.5	3.4	80	11	3.4	32	26310	4.1	3.3
Average	112	103	183	75	4.3	3.3	82	11.4	2.6	21			

Herd Code 41-73-2105 Test Date 05-20-2023 Breed HO String

Identification And Genetics (Genetic Data Source: CDCB)

Stage Of Lactation Profile

		Stage of Lactation (Days)						Total or Average
		1 - 40	41 - 100	101 - 199	200 - 305	306 +		
Number Milking	1st Lact	6	7	14	16	7	50	
	2nd Lact	2	5	8	8	2	25	
	3+ Lacts		1	4	5	1	11	
	All Lacts	8	13	26	29	10	86	
	Replacements							
Average Daily Milk	1st Lact	85	85	91	78	71	82	
	2nd Lact	106	116	95	76	82	93	
	3+ Lacts		103	88	94	71	90	
	All Lacts	90	98	92	80	73	86	
	% Fat & Pro	1st Lact % Fat	4.4	4.2	4.0	4.7	4.7	4.4
	% Pro	3.0	3.2	3.3	3.5	3.6	3.4	
	2nd Lact % Fat	4.1	3.9	4.5	4.8	4.5	4.4	
	% Pro	3.2	2.9	3.3	3.5	3.4	3.3	
	3+ Lacts % Fat		3.8	4.2	4.2	4.3	4.2	
	% Pro		3.1	3.4	3.3	3.4	3.3	
	All Lacts % Fat	4.3	4.1	4.2	4.6	4.6	4.4	
	% Pro	3.1	3.1	3.3	3.5	3.5	3.3	
SCC ACT	1st Lact	124	16	79	60	106	73	
	2nd Lact	18	47	126	39	31	67	
	3+ Lacts		13	39	15	15	23	
	All Lacts	92	30	88	45	80	64	
SCC ACT >= 200	Number	1		2	1	2	6	
	Percent	13		8	3	20	7	

Weighted SCC ACT (Nearest 1,000)

Age Group	Number Animals	Avg. Age (Yr-Mo)	Num. Ident. By		Number ID Changes	No. Animals with Merit \$	Average Merit \$	
			Sire	Dam			Animal	Sire
0 - 12	61	0-07	61	61		61	+145	+290
13+	93	1-09	93	93		83	+170	+342
Replacements	154	1-03	154	154		144	+159	+320
1st Lact	56	2-01	56	56				+525
2nd Lact	28	3-02	28	28				+569
3+ Lacts	11	4-09	11	11	1			+314
All Lacts	95	2-08	95	95	1			+515
% Identified (Producing Females)			100	100	No. Heifers Age Over 30 Months	5		

Herd Merit \$ Option	Genetic Profile of Service Sires			
	A.I. Progeny Tested	A.I. Genomic Tested	All Other A.I. Bulls	Non A.I. Bulls
NM	62	10		27
% of Herd Bred to	12	3		DCR Milk
Average Merit \$	+532	+493	+0	75
Avg. Percentile Rank (Net Merit)	51	84		

Production By Lactation Summary

Lactation	Number of Cows	Avg. Age (Mo)	Peak Milk	Summit Milk	Proj 305 Day ME			Difference From Herdmates			Avg. Body Wt.
					Milk	Fat	Pro	Milk	Fat	Pro	
1st Lact	56	25	79	76	26687	1120	843	+611	+23	+14	1086
2nd Lact	28	38	99	98	27410	1177	881	+1276	+80	+48	1202
3+ Lacts	11	57	108	102	26044	1049	813	-57	-48	-24	1308
All Lacts	95	32	89	86	26821	1128	851	+737	+32	+20	1146

Somatic Cell Summary

SCC Score	% Cows SCC Score				
	0,1,2,3	4	5	6	7,8,9
Below 142,000	142,000	283,000	284,000	568,000	Over 1.13 M
86	8	6			
88	8	4			
100					
88	7	5			
30-Day Herd Production Lost From High SCC					
Milk	1332	Dollars (\$)	272		

Dry Cow Profile

Lact.	Number Dry Periods	Avg. Days Dry	Number Dry by Days	
			< 40	40-70 > 70
1				
2	27	49	3	24
3+	11	53	10	1
All	38	50	3	34

Yearly Summary Of Cows Entered And Left The Herd

Cows Entered	Cows Left	Number of Cows Left the Herd										
		Dairy	Low Prod	Repro	Mast	Udder	Feet & Legs	Injury Other	Disease	Died	Not Rptd	
55	50	29	26	6	6	2	6		1	3		5
		20	18	3	1	1	5		1	3		6
		29	26	9	2	2	6		1	2		7
55	50	78	71	18	9	5	17		3	8		18
46 % Left Herd For Involuntary Reasons												

Yearly Production And Mastitis Summary

Test Date	Days In Test Period	Number Cows In Herd On Test Day	Test Day Averages (Milking Cows)		150 Day Milk	Test Period Persist. Index	Test Day Averages (All Cows)				Rolling Yearly Herd Average			Somatic Cell Count Summary					MUN	Number Left Herd			
			DIM	Milk			% In Milk	Milk	%Fat	%Pro	Milk	Fat	Pro	% Cows SCC Score						Avg. SCC Linear Score	Wt. Avg. Actual SCC	Died	Sold
			Below 142,000	142,000			284,000	568,000	Over 1.13 M														
Test Dropped	55	118	187	72.4	78.7	96	92	66.9	4.1	3.2	25729	1081	851	76	12	1	3	9	2.6	279	12.4		9
8-09-22	60	120	190	69.2	78.5	102	87	60.0	4.0	3.2	25385	1068	842	69	13	3	6	9	2.9	325	10.1	4	6
9-23-22	46	123	171	68.7	77.0	98	89	61.4	4.4	3.3	24848	1053	829	69	9	5	9	7	2.9	306	11.2	2	7
11-08-22	46	114	173	73.0	79.7	102	87	63.4	4.3	3.4	24491	1044	818	78	6	5	5	5	2.3	333	10.8	5	7
12-29-22	51	113	158	73.5	78.2	98	91	67.0	4.4	3.4	24280	1037	811	73	11	4	6	6	2.7	262	12.6	4	7
3-01-23	62	110	189	77.1	82.9	107	98	75.7	4.3	3.4	24259	1032	808	63	16	10	9	3	2.8	206	12.0	2	8
4-18-23	48	109	195	74.4	80.4	101	95	70.9	4.3	3.4	24346	1038	812	74	9	7	7	4	2.6	229	10.7		8
5-12-23	24	94	183	80.6	87.8	110	94	75.4	4.4	3.3	24491	1045	817	71	11	9	3	5	2.4	260	11.5	1	17
5-20-23	8	95	184	86.4	94.4	108	91	78.2	4.3	3.3	24453	1046	818	88	7	5			1.4	64	12.1		
Averages	43	110	180	75.0	82.1	103	91	68.5	4.3	3.3				73	10	6	6	5	2.5	248	11.4	18	60

HERD SUMMARY

41-73-2105
FUCHS+KERFELD DAIRY

DHI-202

*** Do Not Publish ***

Test Date 05-20-2023 Samples at Lab Processed 05-22-2023

Breed	HO	Type Test	OS-AP	Assoc.	97	Supv.	73RG	String
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Production, Income & Feed Cost Summary

	Daily Average per Cow on Test Day		Rolling Yearly Herd Averages			
	Number	%	Number	%		
Total Cows	95		110			
Cows in Milk	86	91	100	91		
Milk Lbs (All Cows)	78.2		24453			
Fat Lbs (All Cows)	3.36		1046			
Fat %	4.3		4.3			
Protein Lbs (All Cows)	2.58		818			
Protein %	3.3		3.3			
Milk Lbs (Milking Cows)	86.4					
	Milking Cows	All Cows				
Silage	Lbs Consumed					
Other Succulents or Blended Rations	Lbs Consumed					
Dry Forage	Lbs Consumed					
Other Feeds	Lbs Consumed					
Pasture	Lbs Consumed					
Concentrates	Lbs Consumed					
Cost of Concentrates \$						
Total Feed Cost \$						
Income Over Feed Cost \$						
Feed Cost per CWT Milk \$						
Value of Product \$	17.40	15.76	5377			
Milk Blend Price	Per CWT	% Fat	% Pro	Per CWT	% Fat	% Pro
	19.88	3.8		21.63	3.8	

Reproductive Summary Of Current Breeding Herd

Total Cows Breeding Herd	Voluntary Waiting Period (VWP)	Days to 1st Service	Cows With No Service Dates or Diag. Open			Cows Bred But Not Diag. Preg.			
			Open VWP to 100 Days	Open Over 100 Days	Number Diag. Open	Under VWP	VWP to 100 Days	101 to 130 Days	Over 130 Days
35	60	101	1	4		Number Cows	14	4	12
			3	11		% of Breeding Herd	40	11	34

Reproductive Summary Of Total Herd

Days Open at 1st Service	Avg. Days to 1st Service	Services per Pregnancy		Projected Minimum		Service or Heat Interval		Services for Past 12 Months					
		Number Under VWP	Number VWP to 100	Preg. Cows	All Cows	Calving Interval	Days Open	Interval Length	Number Intervals	Service Number	Number Services	Conception Rate	Service Sire Merit \$
1st Lact	27	16	99	1.6	2.9	13.5	131	< 18	14	1st	99	37	+512
2nd Lact	17	7	91	1.7	3.3	12.5	101	18 - 24	156	2nd	53	40	+525
3+ Lacts	1	6	95	2.0	4.3	13.1	120	36 - 48	17	3rd +	33	33	+485
All Lacts	1	50	96	1.7	3.2	13.2	121	Other	33	Total	185	37	+510
% of All 1st Services	1	64	35	Current Actual Calving Interval		13.2				Abortions	This Test	Past Year	
										Actual			
										Apparent			

Birth Summary

Dam's Lact Num	Offspring Born								
	Males		Females		Calving Difficulty Score				
	Alive	Dead	Alive	Dead	1	2	3	4-5	%4-5
1	2		48	5	53	1	1		
2+	28		31		57		1	1	2
Total	30		79	5	110	1	2	1	1

Cows To Be Milking, Dry, Calving By Month

	Jun	Jul	Aug	Sep	Oct	Nov
* Milking	85	85	92	99	100	101
Dry	14	18	16	12	12	15
Cows to Calve	6	6	8	11	5	7
Heifers to Calve	6	8	10	8	6	9

* Assumes 5.0% per month culling rate.

Yearly Reproductive Summary

Test Date	% Heals Obs.	Conception Rate	Preg Rate	Number Services	Number Confirm Preg	Number Calving	Total Preg Cows
Test Dropped	53	41	10	17	12	19	45
8-09-22	55	25	0	16	10	20	46
9-23-22	73	36	5	25	6	27	37
11-08-22	73	35	11	34	14	12	40
12-29-22	87	38	9	37	21	23	36
3-01-23	59	38	14	32	11	17	24
4-18-23	54			26	16	9	38
5-12-23	90			19	11	5	47
5-20-23	83			7		1	47
Averages	67	37	10	25	11	14	39
Totals				196		114	

Miscellaneous Herd Information

	Shipped-Test Day Comparison		Milking Times	Wgh	Spl
	Test Day	Yearly Avg.			
Sum of Test Day Wts	7432	7364	1st 04:20 PM	N	N
Reported Avg. Daily Bulk Tank Wts	7450	7295	2nd 04:31 AM	Y	Y
% Deviation	-2	+9	3rd		

Remarks: