

Southeast DHIA, Inc. Annual Report - 2002

Daniel W. Webb
Extension Dairyman
University of Florida

DHIA Clients

- ◆ **103 Florida 103**
- ◆ **228 Georgia 228**
- ◆ **38 Non-member service agreements**
- ◆ **369 Herds Total with 180,000 cows**

Board of Directors

- ◆ David Cagle
- ◆ Aubrey Moon
- ◆ Mark Rodgers - VP
- ◆ Rufus Yoder, Jr
- ◆ David West, Jr.
- ◆ Dale Eade
- ◆ Ed Henderson - P
- ◆ Don Bennink
- ◆ Gary Keyes

Employees

- ◆ **19 Field Technicians**
- ◆ **4 Assistant Technicians**
- ◆ **4 Management and Office Staff**

Cooperators

- ◆ **University of Florida-Department of Animal Sciences**
- ◆ **University of Georgia-Animal Science Department**
- ◆ **Southeast Milk, Inc. (SMI) Laboratory**
- ◆ **Dairy Records Management Systems (DRMS) Raleigh**
- ◆ **National DHIA**

Summary Data - Dec 2002

- ◆ **310 Herds**
- ◆ **377 Cows per herd**
- ◆ **288 Calvings**
- ◆ **36 % first lactation**
- ◆ **17,708 RHA Milk**
- ◆ **62.7 lbs Avg 150-day milk**
- ◆ **70.7 lbs Avg Summit milk**

Summary continued - Dec 2002

- ◆ 36 % left herd
- ◆ 8 % death loss
- ◆ 75 Avg days dry
- ◆ 33 % Heats observed
- ◆ 38 % Successful breedings
- ◆ 109 Avg days to first service
- ◆ 495,000 Avg weighted SCC
- ◆ 47 % Cows below SCCS 4

Georgia & Florida Herds

- ◆ 112,284 cows (311 herds)
- ◆ 362 cows per herd
- ◆ 17,645 lbs milk per cow
- ◆ 60.0 lbs avg 150-day milk
- ◆ 75 avg days dry
- ◆ 104 avg days to 1st service
- ◆ 35.5 % avg herd turnover

Herd Size

	<i>Small</i>	<i>Medium</i>	<i>Large</i>
	< 300	300-800	>800
Cows per herd	142	492	1455
No. herds	192	90	28
Milk lbs	17,193	18,019	19,131
% of cows	24	39	36
% of milk	23	39	38

Herd Size

Cows per herd	142	492	1455
Milk lbs	17,193	18,019	19,131
150-day milk	58.4	61.1	66.1
Summit milk 1st	58.9	63.9	67.6
Summit milk 2nd	71.4	79.2	83.8
Summit milk 3+	70.0	65.9	63.8
Days to 1st Serv	104	104	97

Level of Production

Prod Level	< 16000	16000-19000	> 19000
No. herds	100	115	96
Milk lbs	13,895	17,456	21,113
150-day milk	50.4	59.9	70.0
Summit milk 1st	51.2	61.9	70.7
Summit milk 2nd	60.0	76.3	88.6
Summit milk 3+	63.2	81.2	93.0

2X-3X Comparison

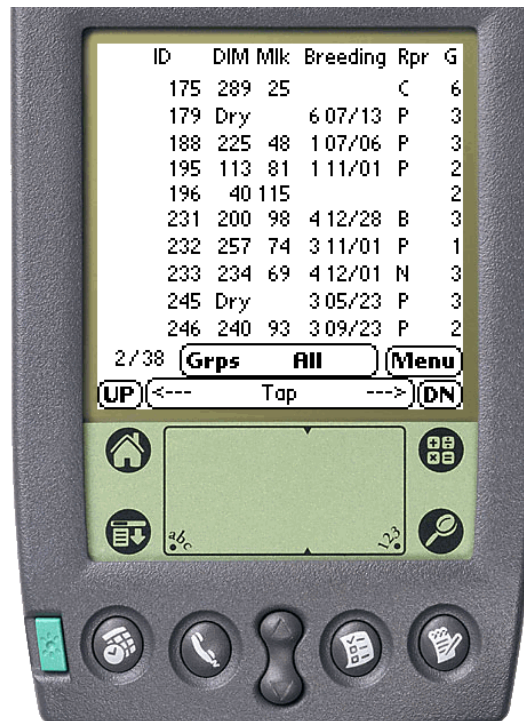
	All Herds	2X Herds	3X Herds
No. herds	311	261	50
Milk lbs	17,645	17,177	19,984
150-day milk	60.0	58.5	67.6
Summit milk 1st	61.2	59.4	70.7
Summit milk 3+	79.0	77.6	86.4
% Left Herd	35.5	34.8	38.8

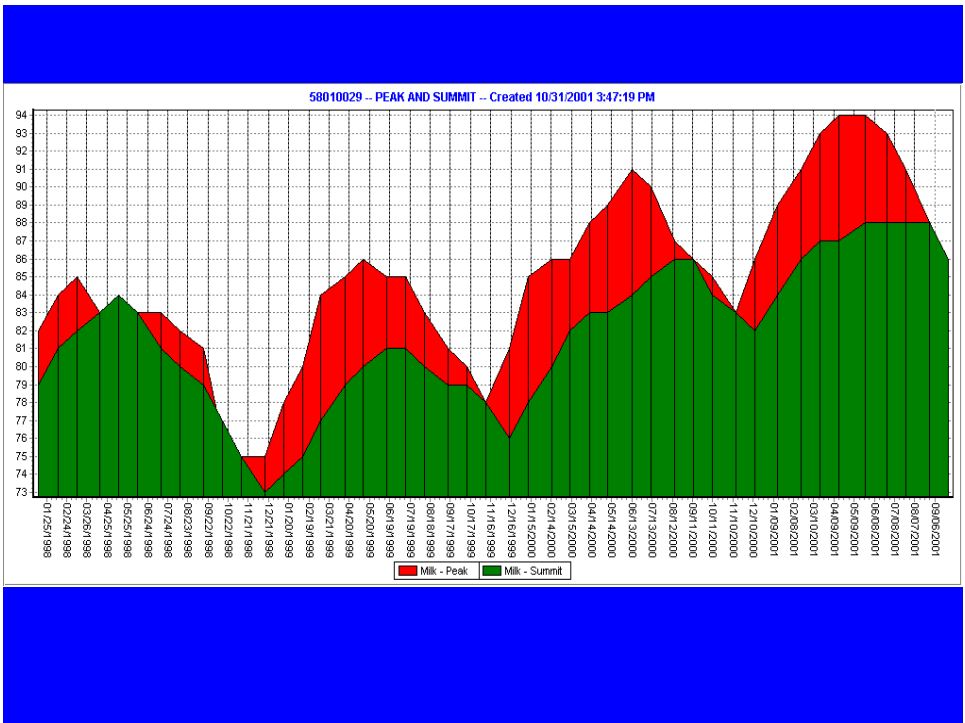
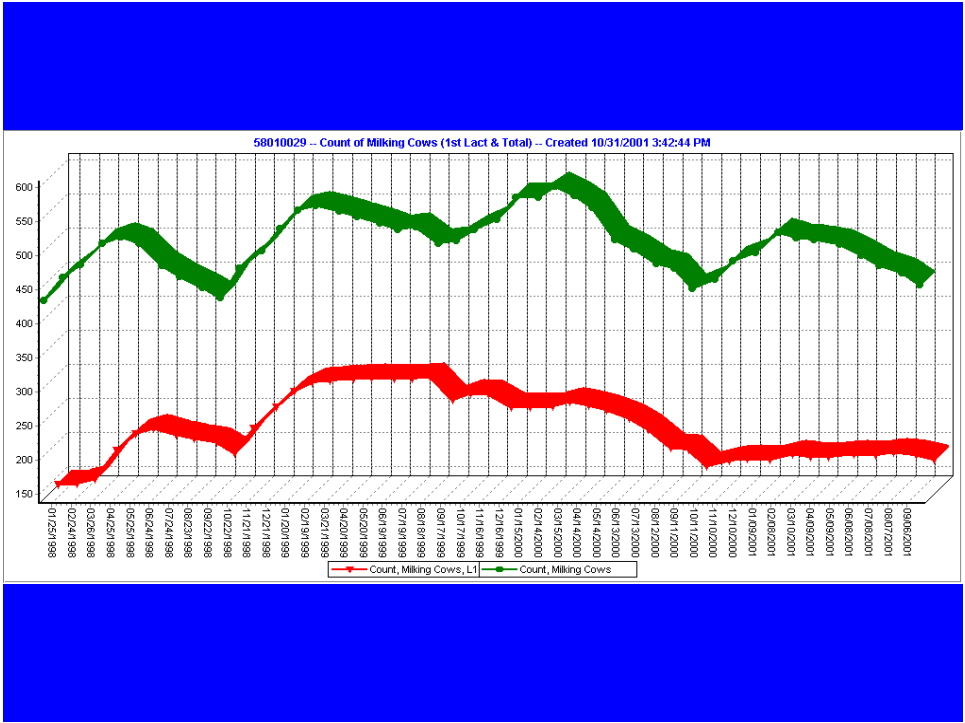
Breed Comparison

	Holstein	Jersey
No. herds	281	12
Cows per herd	383	123
Milk lbs	17,892	14,024
150-day milk	61.2	45.8
Summit milk 1st	62.6	46.9
Summit milk 3+	80.9	58.6

DHIA Options from Southeast DHIA & DRMS

Printed (mail-out) reports
PCDART Producer version
PCDART Technician version
PocketDairy (palm version of PCDART)
Hot sheets direct from the lab
DairyMetrics
Web-Reports (PDF)





PCDART

User-created reports

- categories and sets

Standard reports

- lists
- summaries
- analytical

Graphs - herd and cow

Cow page

Standard Reports

Conception rate summary

Group summary

Repro Measures for Vet Practitioner

Pregnancy rate summary

Herd activity summary

- current and month
- yearly

111 Group Summary for Cows

PCDART Report

58010029 Ref:11-11-01

														as of last testday		
Grp	#	---Dry---		-----In Milk-----				-----Bred-----			--Preg--		----Daily Cow \$-----			
#	Cows	#	Pct	#	Pct	Wt	DIM	#	Pct	#Br	#	Pct	Income	IovFC	IovTC	
1	130	0	0	130	100	79	388	117	90	2.9	19	15	14.38			
2	120	0	0	120	100	78	426	107	89	3.7	32	27	14.70			
4	5	0	0	5	100	50	221	0	0	0.0	0	0				
9	77	0	0	77	100	67	486	61	79	3.9	61	79	12.93			
10	78	0	0	78	100	80	356	48	62	1.7	26	33	14.60			
13	19	0	0	19	100	62	660	2	11	11.5	0	0	11.37			
14	94	0	0	94	100	77	449	94	100	2.1	94	100	14.90			
55	6	6	100	0	0	0	0	6	100	3.0	6	100	.00			
70	36	36	100	0	0	0	0	36	100	5.3	36	100	.00			
99	2	2	100	0	0	0	0	2	100	11.0	2	100	.00			
Avg	57		8		92	76	425		83	3.2		49	13.11			
Tot	567	44		523				473			276		7068			

144 TDU- Reproductive Measures for Veterinary Practitioners

PCDART Report

58010029 Test Date 092601

Days Open
 192 Projected Minimum Average
 30 Projected Minimum Standard Deviation
 188 Past Year Average
 49 Past Year Standard Deviation

Calving Interval
 15.5 Projected Minimum Average
 15.4 Past Year Average

Percent of Possible Estruses Detected
 59 Current Month
 69 Past Year

Services per Pregnancy for All Cows
 6.3 Current Month
 7.1 Past Year

Services per Pregnancy for Pregnant Cows
 3.2 Current Month
 3.4 Past Year

Service Specific Conception Rates
 Curr Past
 Mon Year

24	484	No. 1st services
	34	% successful
16	337	No. 2nd services
	32	% successful
58	817	No. 3rd+ services

Herd Reproductive Evaluation

Traditionally we have used

- conception rate
- projected calving interval
- days open
- days to first service

Difficult interpretation in herds where both AI and natural service

Evaluation is retrospective

Reproduction

Voluntary waiting period (VWP)

Days to 1st service

% successful breedings

% heats observed

PREGNANCY RATE

Reproduction -

Service / heat intervals

- short < 18 days
- long > 35 days

Dry period length

- average days dry
- no. short dry periods (< 40 days)
- no. extended dry periods (> 70 days)

Pregnancy Rate

Uses all cows past voluntary waiting period

Depends on

- reference date
- pregnancy confirmation

Works for AI and natural service

Does not depend on

- breeding dates

126 9-Month Pregnancy Rate Summary by Lactation

(No Exclusions)

PCDART Report

58010029 Ref:10-01-01

Lactation #	----- Heats -----			----- Pregnancies -----		
	#Eligible	#Observed	%Obs	#Eligible	#Reported	Rate
1	723	337	47	691	88	13
2	722	375	52	698	69	10
3+	756	381	50	725	84	12
total	2201	1093	50	2114	241	11

126 9-Month Pregnancy Rate Summary by Date

(No Exclusions)

PCDART Report

58010029 Ref:10-01-01

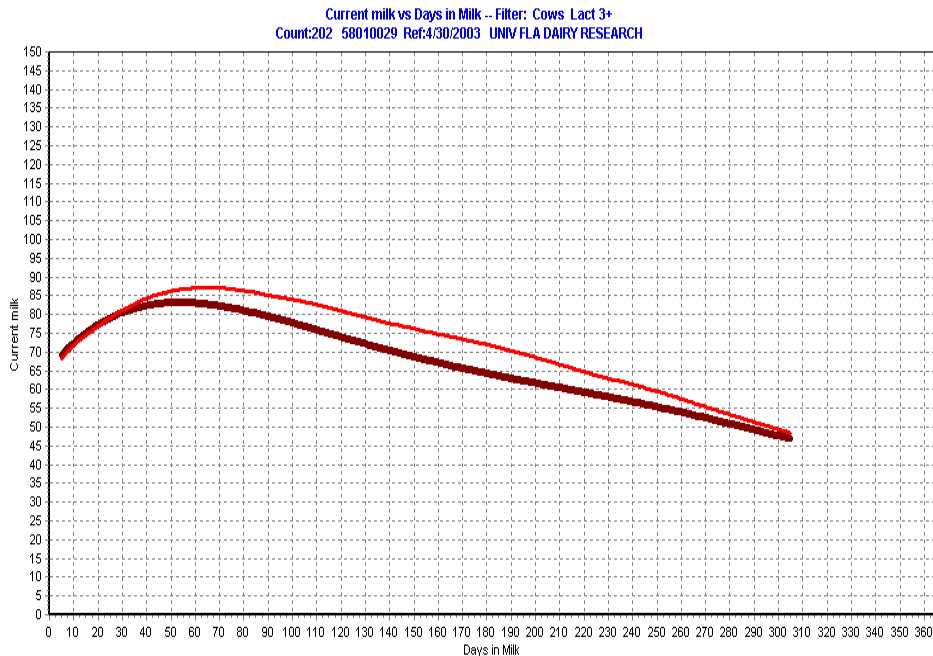
Last Date of 21 days	----- Heats -----			----- Pregnancies -----		
	#Eligible	#Observed	%Obs	#Eligible	#Reported	Rate
01-22-2001	264	162	61	237	39	16
02-12-2001	257	154	60	232	42	18
03-05-2001	242	134	55	218	32	15
03-26-2001	230	118	51	219	28	13
04-16-2001	224	122	54	219	23	11
05-07-2001	213	121	57	208	32	15
05-28-2001	190	111	58	178	22	12
06-18-2001	175	53	30	166	1	1
07-09-2001	180	55	31	177	5	3
07-30-2001	187	72	39	185	17	9
08-20-2001	95	39	41	95	5	5
09-10-2001	94	3	3	91	0	
10-01-2001	120	17	14	104	0	
total	2471	1161	47	2329	246	11

126 9-Month Pregnancy Rate Summary by Days in Milk (No Exclusions)

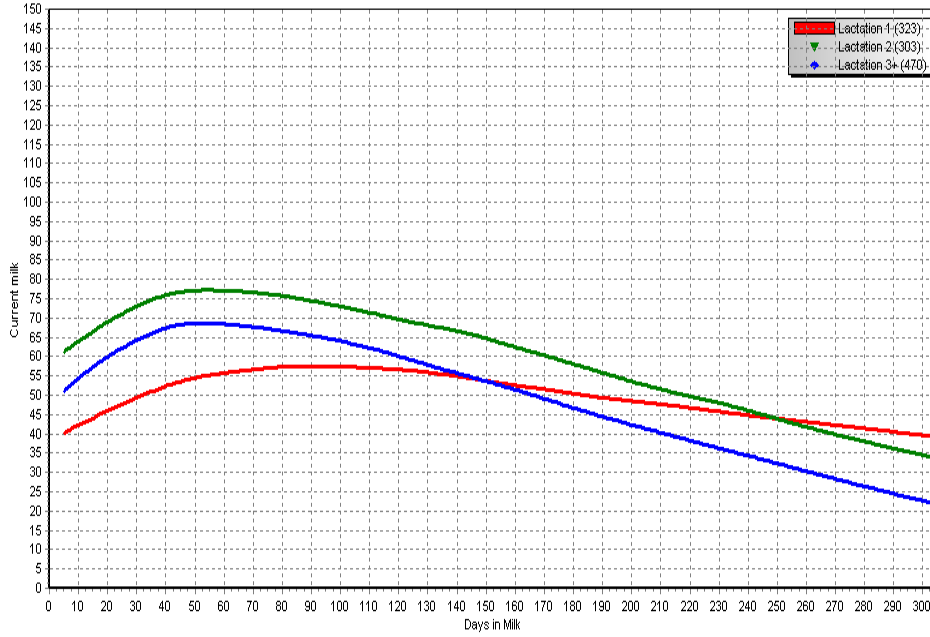
PCDART Report

58010029 Ref:10-01-01

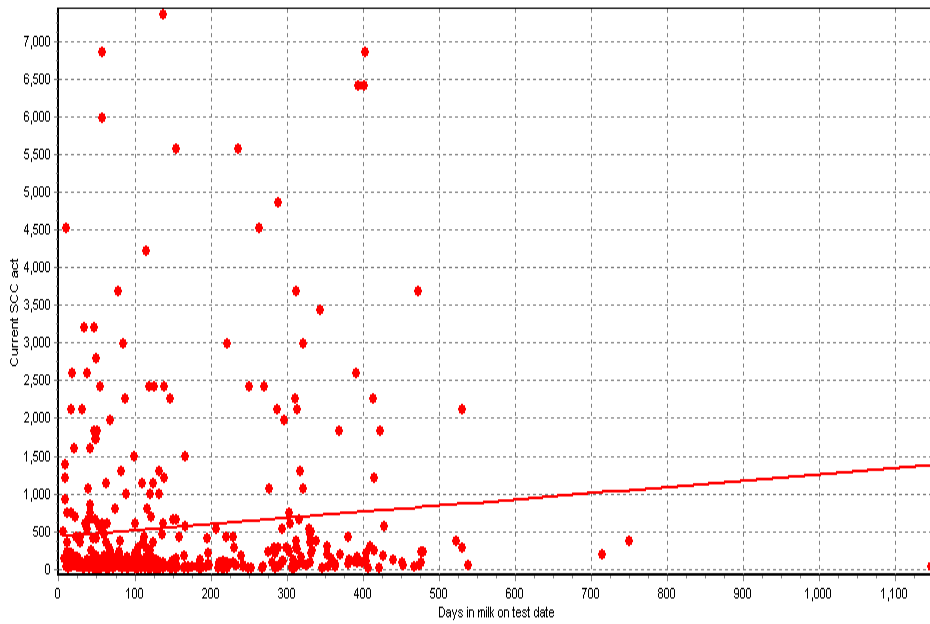
DIM	----- Heats -----			----- Pregnancies -----		
	#Eligible	#Observed	%Obs	#Eligible	#Reported	Rate
< 46	87	107	123	0	0	
46--66	297	87	29	297	16	5
67--87	292	243	83	292	68	23
88-108	233	82	35	233	25	11
109-129	216	96	44	216	26	12
130-150	190	104	55	190	30	16
151-171	164	82	50	164	18	11
172-192	143	51	36	143	7	5
193-213	125	53	42	125	5	4
214-234	112	50	45	112	17	15
235-255	81	35	43	81	6	7
256-276	66	25	38	66	6	9
277-297	54	20	37	54	4	7
298-318	46	18	39	46	2	4
319-339	49	21	43	49	7	14
340-360	46	19	41	46	4	9
total	2201	1093	50	2114	241	11



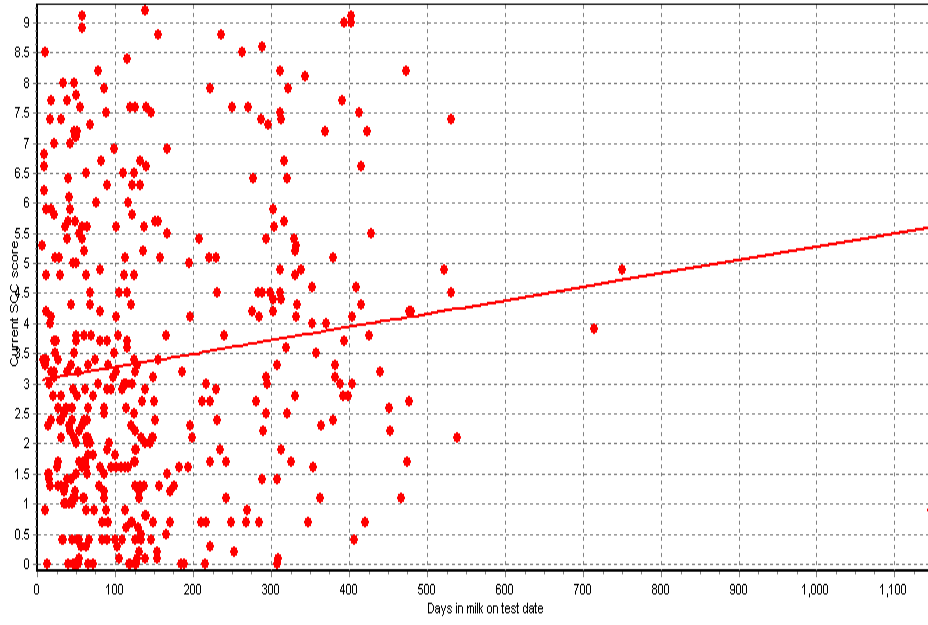
Current milk vs Days in Milk -- Filter: Cows Left
Count:1096 58010029 Ref:4/30/2003 UNIV FLA DAIRY RESEARCH



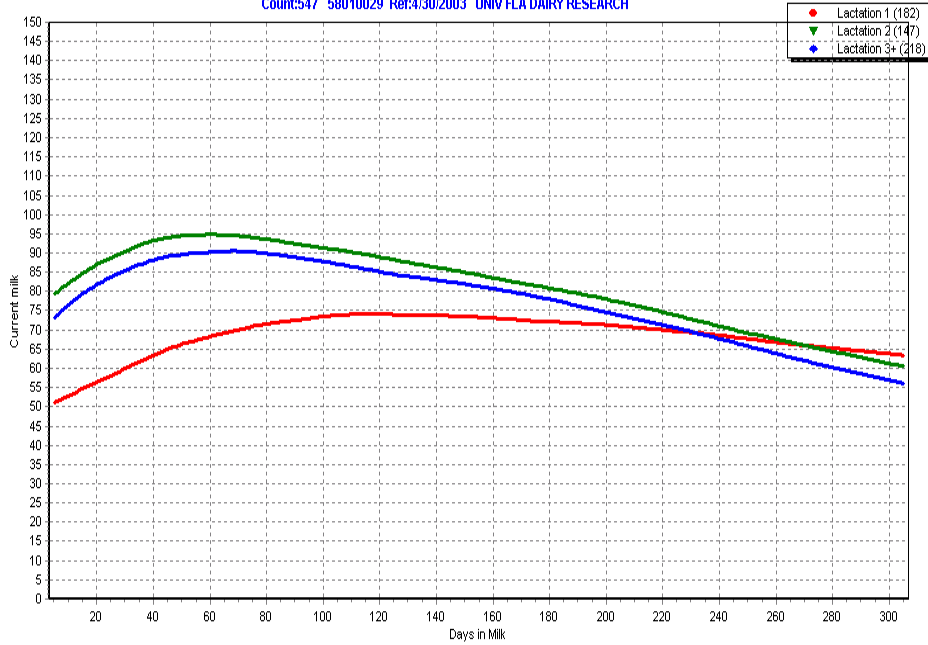
scc actual
58010029 Ref:4/30/2003 UNIV FLA DAIRY RESEARCH



DIM (td) vs SCC Score
58010029 Ref:4/30/2003 UNIV FLA DAIRY RESEARCH



Current milk vs Days in Milk - Filter: Cows
Count:547 58010029 Ref:4/30/2003 UNIV FLA DAIRY RESEARCH



127 Current Herd Status

UNIV FLA DAIRY RESEARCH

PCDART Report

58010029 Ref:04-30-03

567 Cows in herd
 538 Milking cows
 29 Dry cows
 422 Bred cows
 145 Not bred cows
 0 Repro cull cows
 24 Cows diagnosed open
 184 Cows diagnosed pregnant
 0 Cows verified pregnant
 0 Cows in sick herd

391 Heifers in herd
 156 Bred heifers
 235 Not bred heifers
 3 Heifers diagnosed open
 109 Heifers diagnosed pregnant
 0 Heifers verified pregnant
 0 Bulls in herd

128 Herd Activity Summary

UNIV FLA DAIRY RESEARCH

PCDART Report

58010029 Ref:03-15-03

Month	Week beg	RefDt - 1	Ref Date
Feb 2003	03-09-03	03-14-03	03-15-03

Calving dates -----

Calvings	28	11	1	3
Calvings, 1st	8	7	1	1
Calvings, 2nd+	20	4	0	2
Aborted	0	0	0	0
Induced	0	0	0	0

Cow repro -----

Heats reported (not bred)	22	2	0	0
Breedings (incl ET, not Est)	168	48	22	1
Embryo transfers	0	0	0	0
Estimated breedings	0	0	0	0
Diagnosed open	0	0	0	0
Diagnosed pregnant	0	0	0	0
Cows turned dry	10	3	3	0

Heifer repro -----

Heats reported (not bred)	1	3	0	0
Breedings (incl ET, not Est)	64	3	0	1
Embryo transfers	0	0	0	0
Estimated breedings	0	0	0	0
Diagnosed open	0	0	0	0
Diagnosed pregnant	0	0	0	0

129 Herd Activity Summary for the Year (* not included in the totals)

UNIV FLA DAIRY RESEARCH

PCDART Report

58010029 Ref:03-15-03

	Mar 03	Feb 03	Jan 03	Dec 02	Nov 02	Oct 02	Sep 02	Aug 02	Ju 0
Calving dates -----									
Calvings	23	28	48	66	92	101	67	54	6
Calvings, 1st	12	8	11	21	25	27	22	15	3
Calvings, 2nd+	11	20	37	45	67	74	45	39	3
Aborted	0	0	0	0	0	0	0	0	0
Induced	0	0	0	0	0	0	0	0	0
Cow repro -----									
Heats reported (not bred)	8	22	44	88	71	74	42	50	1
Breedings (incl ET, not Est)	132	168	226	211	202	177	130	118	9
Embryo transfers	0	0	0	0	0	0	0	0	0
Estimated breedings	0	0	0	0	0	0	0	0	0
Diagnosed open	0	0	0	0	0	0	0	0	0
Diagnosed pregnant	0	0	0	0	0	0	0	0	0
Cows turned dry	5	10	10	16	49	47	28	69	3
Heifer repro -----									
Heats reported (not bred)	5	1	1	2	1	0	0	0	0
Breedings (incl ET, not Est)	22	64	90	42	54	42	23	25	1
Embryo transfers	0	0	0	0	0	0	0	0	0
Estimated breedings	0	0	0	0	0	0	0	0	0
Diagnosed open	0	0	0	0	0	0	0	0	0
Diagnosed pregnant	0	0	0	0	0	0	0	0	0

Heifer repro -----									
Heats reported (not bred)	5	1	1	2	1	0	0	0	0
Breedings (incl ET, not Est)	22	64	90	42	54	42	23	25	1
Embryo transfers	0	0	0	0	0	0	0	0	0
Estimated breedings	0	0	0	0	0	0	0	0	0
Diagnosed open	0	0	0	0	0	0	0	0	0
Diagnosed pregnant	0	0	0	0	0	0	0	0	0
Calves born -----									
Calves born	23	29	49	70	95	110	72	55	6
Heifers born	14	8	27	41	53	60	38	29	3
Bulls born	9	21	22	29	42	50	34	26	3
Heifers - single births	14	7	25	38	50	50	33	28	3
Heifer & heifer twins	0	0	0	0	1	4	2	0	0
Heifer & bull twins	0	1	2	3	1	2	1	1	0
Embryo transfers born	0	0	0	0	0	0	0	0	0
Sold at birth	7	21	21	32	39	49	30	25	2
Dead	3	2	5	3	7	6	10	6	1
Cows Entered and Left -----									
Cows entered herd	13	8	15	22	26	29	25	57	3
Cows left herd	8	26	42	31	33	19	17	24	0
Cows sold - ALL REASONS	7	17	17	21	29	10	14	21	0
Cows died	1	9	25	9	4	9	3	3	0
Cows sold, low production	0	1	1	1	5	0	3	3	0
Cows sold, repro. prob.	1	10	10	7	15	1	9	6	0
Cows sold, injury or other	0	2	1	2	1	3	0	5	0

Archiving | Calf # | Days to Prep | Index Barn | Info panel | ME 2X 3X | Milking Machine | Timed AI | Upload Health

User Defined Timed AI Protocols [Help](#)

You may use one of these Timed AI Protocols as a model:
 Std Protocol 3: Pre-synch

unnamed | unnamed | unnamed | unnamed | unnamed | unnamed

Name: #1 Description: Pre-synch Minimum DIM to breed: 70

This name will be associated with the cows enrolled in this program.

PreSync Setups			Start of program	Breed Event		
DIM >	32 MON	46 MON	60 MON	67 MON	69 WED	70 THU
Events	<input type="text"/> PGH-1	<input type="text"/> PGH-2	<input type="text"/> GnRH-1	<input type="text"/> PGH	<input type="text"/> GnRH-2	<input type="text"/> Breed
days to next	<input type="text"/> 14	<input type="text"/> 14	<input type="text"/> 7	<input type="text"/> 2	<input type="text"/> 1	<input type="text"/>

Do not schedule setups for diagnosed OPEN cows

Day of Week for Start of program: MON

Archiving | Calf # | Days to Prep | Index Barn | Info panel | ME 2X 3X | Milking Machine | Timed AI | Upload Health

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days to next	<input type="text"/> 14	<input type="text"/> 14	<input type="text"/> 7	<input type="text"/> 2	<input type="text"/> 1	<input type="text"/>

Do not schedule setups for diagnosed OPEN cows

Day of Week for Start of program: MON

User Defined Timed AI Protocols

Help

You may use one of these Timed AI Protocols as a model:

- Std Protocol 3: Pre-synch
- Std Protocol 1: Modified Targeted Breeding
- Std Protocol 2: Ovsynch
- Std Protocol 3: Pre-synch
- Std Protocol 4: Heat-synch
- Std Protocol 5: Co-synch
- User Protocol 1: (undefined)
- User Protocol 2: (undefined)
- User Protocol 3: (undefined)
- User Protocol 4: (undefined)
- User Protocol 5: (undefined)
- User Protocol 6: (undefined)

unnamed | unnamed | unnamed | unnamed | unnamed | unnamed

Name: #1 Description: Pre-synch

This name will be associated with the cows enrolled in this program.

PreSync Setups				Start of program			Breed Event
DIM >	32 MON	46 MON	60 MON	67 MON	69 WED	70 THU	
Events	<input type="text"/> PGH-1	<input type="text"/> PGH-2	<input type="text"/> GnRH-1	<input type="text"/> PGH	<input type="text"/> GnRH-2	<input type="text"/>	<input type="text"/> Breed
days to next	<input type="text"/> 14	<input type="text"/> 14	<input type="text"/>	<input type="text"/> 7	<input type="text"/> 2	<input type="text"/> 1	<input type="text"/>
<input checked="" type="checkbox"/> Do not schedule setups for diagnosed OPEN cows			<input type="text"/> MON				
			Day of Week for Start of program	<input type="button" value="Clear Changes this Protocol"/>	<input type="button" value="Delete this Protocol"/>		