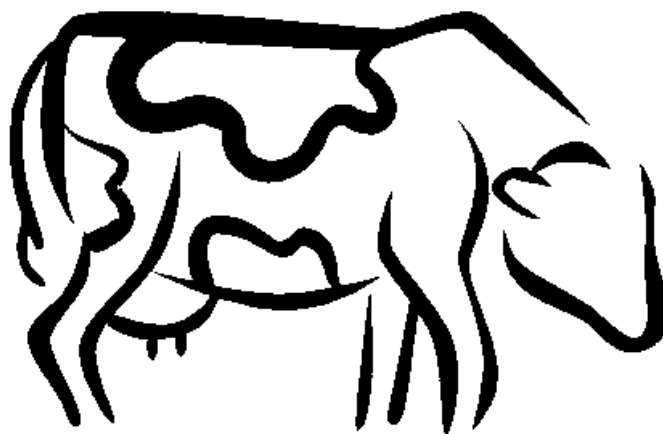


PROCEEDINGS OF THE 42nd ANNUAL
**FLORIDA DAIRY
PRODUCTION
CONFERENCE**

Hilton University of Florida Conference Center
Gainesville • Florida • May 3, 2005



Sponsored by the Department of Animal Sciences, Florida Cooperative Extension Service and the Agricultural Experiment Station of the Institute of Food and Agricultural Sciences, with the cooperation of State Dairy Organizations and Allied Industry



UNIVERSITY OF
FLORIDA

IFAS

Department of Animal Sciences

PO Box 110910
Gainesville, FL 32611-0910

Gainesville, May 2005

To: **Florida Dairymen, Allied Industry and Others**
Re: **42nd Annual Florida Dairy Production Conference**

Welcome to the 42nd Annual Florida Dairy Production Conference! This conference provides an opportunity for representatives from all aspects of the Florida Dairy Industry to focus on information and ideas for improving profitability and sustainability of the Florida dairy industry for the future.

The planning committee has planned this program in hopes that you will take home some information that will be of benefit in the planning and operation of your business. The speakers have been chosen with careful consideration for subject matter of timely significance. We believe that their information will be useful to you.

The proceedings are provided as a reference and record of the conference. Additional copies are available by contacting the UF/IFAS Department of Animal Sciences. You will also find the proceedings posted on the UF/IFAS Dairy Extension website at <http://dairy.ifas.ufl.edu>.

Thank you for your participation in the 2005 conference. Please feel free to provide any comments that can be used in planning future Florida Dairy Production Conferences.

F. Glen Hembry

Chair, UF/IFAS Department of Animal Sciences

Albert de Vries

Coordinator, 42nd Florida Dairy Production Conference

42nd Florida Dairy Production Conference May 3, 2005

Location

Hilton University of Florida Conference Center
1714 SW 34th Street
Gainesville, FL 32607

Planning Committee

Albert de Vries, Coordinator
Dave Bray
Dan Webb
James Umphrey
Karen Moore
Peter Hansen
Lokenga Badinga
Roger Natzke
Charlie Staples

Kermit Bachman
Adegbola Adesogan
Alan Ealy
Pat Miller
Russ Giesy
Jacob Larson
Dale Eade
Dale Sauls
Steve Elliott

For more information about the 42nd Florida Dairy Production Conference, please contact:

Dr. Albert de Vries
Department of Animal Sciences, University of Florida
P.O. Box 110910
Gainesville, FL 32611-0910
Phone: (352) 392 7563
Email: devries@animal.ufl.edu
Web: <http://dairy.ifas.ufl.edu>

Table of Contents

Program Schedule	1
Speakers and Program Participants	2
2005 Program Sponsors	3
Awards	
2004 Florida Dairy Quality Honor Roll	4
2004 DHIA Production Recognition of High Florida Herds	5
2004 Florida DHIA Herd Performance Averages	6
Frequent Milking in Early Lactation: Considerations for Implementation <i>Geoff Dahl, Department of Animal Sciences, University of Illinois, Urbana</i>	7
Crossbreeding: Why the Interest? What to Expect <i>Les Hansen, Brad Heins, Tony Sekora, Department of Animal Science, University of Minnesota, St. Paul</i>	14
How to Make the Most of My Multicultural Workforce <i>Miguel Morales, Monsanto Agricultural Sector, Clovis, California</i>	22
Reducing Variability in Your Breeding Program Using a Systematic Approach <i>Richard Wallace, Department of Veterinary Clinical Medicine, University of Illinois, Urbana</i>	30
Let There be Light: Photoperiod Management of Cows for Production and Health <i>Geoff Dahl, Department of Animal Sciences, University of Illinois, Urbana</i>	35
Update: Barn Cooling, Tunnel and Otherwise <i>Dave Bray* and Ray Bucklin†, Department of Animal Sciences* and Department of Agricultural and Biological Engineering†, University of Florida, Gainesville</i>	43
Southeast Milk Inc. Check-Off Program / Project Summaries per July 30, 2004	52

Program Schedule

Tuesday, May 3, 2005

- AM
Presiding - Glen Hembry, University of Florida, Gainesville
- Century Ballroom**
- 10:00 Welcome and Remarks
Glen Hembry, Chair, Department of Animal Sciences, University of Florida, Gainesville
- 10:05 Frequent Milking in Early Lactation: Considerations for Implementation
Geoff Dahl, Department of Animal Sciences, University of Illinois, Urbana
- 11:00 Crossbreeding: Why the Interest? What to Expect
Les Hansen, Department of Animal Science, University of Minnesota, St. Paul
- 11:45 Lunch
PM
Presiding - Brent Broaddus, University of Florida, Seffner
- 12:45 Awards
- 1:00 The State of IFAS
Jimmy Cheek, Senior V.P. Agriculture and Natural Res., University of Florida, Gainesville
- 1:15 How to Make the Most of My Multicultural Workforce
Miguel Morales, Monsanto Agricultural Sector, Clovis, California
- 2:00 Reducing Variability in Your Breeding Program Using a Systematic Approach
Richard Wallace, Department of Veterinary Clinical Medicine, University of Illinois, Urbana
- 2:45 Break
- 3:15 Let There be Light: Photoperiod Management of Cows for Production and Health
Geoff Dahl, Department of Animal Sciences, University of Illinois, Urbana
- 4:00 Update: Barn Cooling, Tunnel and Otherwise
Dave Bray, Department of Animal Sciences, University of Florida, Gainesville
- 4:45 Adjourn

Wednesday, May 4, 2005

- AM
Dogwood Room
- 9:00 PCDART Workshop
Dan Webb, Department of Animal Sciences, University of Florida, Gainesville
Richard Wallace, Department of Veterinary Clinical Medicine, University of Illinois, Urbana
- noon Adjourn

Speakers and Program Participants

David Bray, Extension Specialist IV, Department of Animal Sciences, University of Florida, Gainesville

Brent Broaddus, Extension Agent I, Hillsborough County, University of Florida, Seffner

Jimmy Cheek, Senior V.P. for Agriculture and Natural Resources, University of Florida, Gainesville

Geoff Dahl, Associate Professor, Department of Animal Sciences, University of Illinois, Urbana

Frankie Hall, Associate Director of the Agricultural Policy Division, Florida Farm Bureau Federation, Gainesville

Les Hansen, Professor, Department of Animal Science, University of Minnesota, St. Paul

Glen Hembry, Chair, Department of Animal Sciences, University of Florida, Gainesville

John Miller, Bureau of Dairy Inspection, Florida Department of Agriculture & Consumer Services, Tallahassee

Miguel Morales, Monsanto Agricultural Sector, Clovis, California

Richard Wallace, Associate Professor, Department of Veterinary Clinical Medicine, University of Illinois, Urbana

2005 Program Sponsors

Per 4/25/2005

We are grateful to the following sponsors that helped make the 42nd Florida Dairy Production Conference possible

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Joe Gribble

2004 Florida Dairy Quality Honor Roll

Dairy Division – Florida Department of Agricultural and Consumer Services

Dairy Name	Location	Rank	SPC	SCC	Score
Norman Nickerson Dairy (7)	Wauchula	1	1,930	214,000	98
Brantley Dairy Farm, Inc. (2)	McAlpin	2	1,580	394,000	93
Oak Shade Farms (4)	Century	3	2,689	325,455	94
Davie Dairy, Inc. #2	Okeechobee	4	2,636	388,182	96
H W Rucks & Sons #2 (2)	Okeechobee	5	3,555	352,727	93
Kurtz & Sons Dairy (3)	Live Oak	6	4,056	310,000	98
Walker & Sons Farms, Inc.	Monticello	7	4,760	297,000	92
Pine Island Dairy, Inc.	Arcadia	8	5,627	253,182	97
Aprile II	Temple Terrace	9	4,482	345,455	96
Rockin' W	Vernon	10	5,127	315,455	99
Southeast Dairy (2)	Bell	11	5,770	326,000	91
McArthur Farms, Inc. #4	Okeechobee	12	5,864	323,636	94
Milking R Dairy	Okeechobee	13	6,409	297,273	95
Aprile Farms	Temple Terrace	14	5,775	389,231	93
Dairy Production System #1	Bell	15	6,170	395,000	93
Levy County Dairy	Chiefland	16	6,244	392,222	92
Ten Mile Grade Dairy	Zolfo Springs	17	14,083	202,500	92
Ronnie Land Dairy	Mayo	18	7,575	391,250	93
Dairy Land Dairy	Mayo	19	8,980	358,000	92
Shenandoah Dairy	Live Oak	20	9,173	370,000	96
TOP 20 AVERAGE			5,624	332,028	94
FLORIDA AVERAGE			23,521	466,886	92

(*) Indicates consecutive years on Top 20 Honor Roll

NOTE: "Top 20" producers were determined by multiplying the average annual bacteria count (SPC) by the average annual somatic cell count (SCC). To be considered for the "Top 20", a producer must have met the following minimum standards during the year:

- a) No drug residue violations.
- b) An average inspection score of 90 or more.
- c) An average bacteria count of less than 15,000/ml.
- d) An average somatic cell count of less than 400,000/ml.

2004 DHIA Production Recognition of High Florida Herds

Producer	City	Brd	Milking	RHA	RHA	RHA	Data Collection Rating	
				Milk	Fat	Protein	Milk	Components
CONDALE FARMS	Anthony	H	3X	25916	971	747	102.4	87.5
B&D FARMS	Greenville	H	3X	23410	861	714	96.9	63.0
NORTH FLORIDA HOLSTEINS	Bell	H	3X	22660	783	669	82.2	63.2
UNIV FLA DAIRY RESEARCH	Hague	H	3X	22652	817	667	82.6	70.4
EICHER DAIRY	Walnut Hill	H		22029	795	679	98.8	92.8
SUWANNEE RIVER DAIRY	Live Oak	H	3X	21159	718	649	99.5	89.1
J-LU FARMS	Live Oak	H	3X	20411			98.7	
SHENANDOAH DAIRY	Live Oak	H	3X	20201	708	607	96.6	89.0
DAIRY PRODUCTION SYSTEMS #2	Bell	H	3X	19910	702	589	96.5	88.9
SUWANNEE DAIRY, INC.	Live Oak	H		19835			99.2	74.9
AURORA DAIRY GROUP FL UNIT 3	Morriston	H	3X	19448	707	579	96.8	89.1
VANWAGNER DAIRY	Citra	H		19389	666	585	99.6	93.9
MILK-A-WAY	Brooksville	H		19122			73.8	
T.J. SMITH & SON DAIRY	Brooksville	H	3X	19021	655	583	96.6	89.0
SHIVERS DAIRY	Mao	H		18889			93.8	
BRANTLEY DAIRY FARM, INC	Live Oak	H		18783			99.3	
CALVIN JOHNSON	Jacksonville	G		14153	634	473	99.5	93.8
REX RUN FARM	Hawthorne	J		14088	655	494	99.6	94.1

Production as of December 31, 2004

Southeast DHIA - Testing cows in Florida and Georgia

2004 Florida DHIA Herd Performance Averages*

	1993	1995	2000	2001	2002**	2003***	2004
No. Cows	55,648	43,476	37,278	33,488	30,879	56,366	57,510
No. Herds	122	90	57	52	47	92	82
Average Herd Size	456	483	654	644	657	613	698
% Days in Milk	86	87	86	84	85	84	84
Pounds of Milk	17,761	17,906	19,054	18,661	19,461	18,160	18,307
Peak Milk - 1st Calf (lbs./day)	67	68	71	69	72	70	68
Peak Milk - 2nd & Later (lbs./day)	88	87	88	87	87	88	87
Fat %	3.5	3.7	3.5	3.6	3.7	3.8	4
Pounds of Fat	622	656	676	672	729	683	672
Pounds of Protein	592	607	610	593	599	541	546
Value of Milk (\$)	2,658	2,595	2,779	3,048	3,065	2,579	3,210
Projected Minimum Calving Interval	14.1	14.4	15.2	15.7	15.6	16.0	15.6
Days Dry	69	67	72	74	75	78	77
% Cows Dry > 70 Days	19	18	19	21	21	37	36
Days to 1st Breeding	77	83	96	97	102	107	106
Days Open	148	158	183	197	194	197	192
% cows Open > 100 at 1st Breeding	14	16	29	34	22	33	28
No. Breedings per Conception	4.0	4.1	3.1	3.5	3.3	3.0	3.0
% Possible Breeding Serviced	52	48	29	26	28	26	25
Age at 1st Calving (months)	25	25	25	25	25	25	25
Age - All Cows (months)	44	43	43	44	65	44	43
% With Sire Identity	34	36	29	33	33	23	25
Average PTA\$ Sires	151	67	124	147	177	86	149
Average PTA\$ Service Sires	210	141	111	298	329	344	354
% Left Herd	40	40	32	33	34	39	33

* September 30, of the respective year

** Cows in Herds on official types of test (01 - 34)

*** Cows in Herds on all types of test (01-74)