



# **ARIZONA AND NEW MEXICO DAIRY NEWSLETTER**

## **COOPERATIVE EXTENSION**

**The University of Arizona  
New Mexico State University**

**AUGUST, 2002**

**Arizona Dairy Production Conference**

**October 17, 2002**

**Sheraton Phoenix Airport Hotel**

**Phoenix, Arizona**

**(details inside)**

### **Arizona Dairy Production Conference**

**Robert Collier**

The Animal Sciences Department at the University of Arizona is initiating an annual Dairy Production Conference. The purpose of the conference is to bring in nationally recognized speakers on timely issues in the Arizona Dairy Industry. This years speakers include Dale Bauman of Cornell University, who will talk about health benefits of milk fat in humans, John Smith, Kansas State University who will discuss special needs housing issues, Jerry Olsen of UpJohn/Pfizer who will discuss use of CIDR's in dairy heifers and synchronized reproduction, Matt Lucy of The University of Missouri, who will discuss effects of polyunsaturated fatty acids and somatotropin on reproduction, Lance Baumgard of the University of Arizona who will discuss use of nutritional control of milk fat depression to increase milk yield and cow health in early lactation, Bob Peters, of The University of Maryland who will talk about milk quality issues and Mike Brouk of Kansas State University and Bob Collier of the University of Arizona on use of infrared thermography guns to evaluate heat stress in cattle. This first conference will also have the added opportunity of introducing the new Extension Dairy Specialist, Matt VanBalle. Matt will be completing his Doctoral Program at Kansas State University in May of 2003 and will be starting his duties in Arizona in June. The cost of bringing in speakers and providing the meeting room and lunch will be paid by donations from Corporate Sponsors, Arizona DHIA and The University of Arizona Cooperative Extension. The only charge for registration (\$15) is to underwrite the cost of producing the proceedings for the meeting. This meeting is a good buy for Arizona Dairy Producers and a great opportunity to get the latest research information from some of the top Dairy Scientists in the country.

**New Mexico State University Extension Dairy Website:**  
**<http://www/nmsu.edu/~dairy>**

The following videos are available for checkout from Mike Looper, New Mexico State University. To obtain a video call Kathy Bustos, (505) 646-3325 or [kbustos@nmsu.edu](mailto:kbustos@nmsu.edu) and the video will be sent in the mail, pending availability. There is only one copy of each video available, so we request that videos be returned within two weeks. Note that four of the videos contain an English and Spanish version.

1. The Milking School. Utah State University. Spanish and English. 30 minutes
2. Fitting and Showing Your Dairy Animal....A Winning Experience. Department of Dairy Science, University of Wisconsin. 20 minutes
3. Proper Milking Procedure. University of Florida. Spanish and English. 12 minutes
4. Milking Machine Maintenance. University of Florida. Spanish and English. 16 minutes
5. The Basics of Vacuum and Milking Systems. DHIA Services, 1991. 53 minutes
6. Understanding Dairy Cattle Behavior to Improve Handling and Production. Livestock Conservation Institute, 1992
7. Managing Milking/Ordenar Lecheria. Spanish and English. 1999. 33 minutes
8. Get Milk! Joining A Dairy Crew. University of New Hampshire, 1999. 45 minutes

**Need to Calculate Production Costs?**

*University of Wisconsin dairy farm management specialist, Gary Frank, has developed a Excel spreadsheet to calculate variable cost of production and total cost of production. To access the spreadsheet, go to <http://www.wisc.edu/dairy-profit>, click on Decision Making Tools, then go to [costcwt.xls](#).*

Issued in furtherance of Cooperative Extension on work, acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of agriculture, James A. Christenson, Director, Cooperative Extension, College of Agriculture, The University of Arizona. The University of Arizona College of Agriculture is an Equal Opportunity Employer, authorized to provide research, educational information and other services only to individuals and institutions that function without regard to sex, race, religion, color, national origin, age, Vietnam Era Veteran's status, or disability.



University of Arizona  
Department of Animal Sciences  
P O Box 210038, Shantz Bldg, Room 205  
Tucson, AZ 85721



New Mexico State University  
Extension Animal Resources  
Box 30003 Dept. 3AE  
Las Cruces, NM 88003

# 1st Annual University of Arizona Dairy Production Conference



**October 17, 2002**



**Mark your  
Calendars!**

**Sheraton Phoenix Airport Hotel  
1600 S. 52nd St.  
Tempe, Arizona 85281**

**Master of Ceremonies,  
Dennis Armstrong**  
Dairy Extension Specialist and Research Scientist, Emeritus  
Department of Animal Sciences  
The University of Arizona

## PROGRAM

<u>TIME</u>	<u>EVENT</u>	<u>SPEAKER</u>
9:00	Registration, Continental Breakfast	
9:30	Welcome	<b>Bob Collier</b> , University of Arizona
9:45	Special Needs Facilities	<b>John Smith</b> , Kansas State University
10:30	Effects of polyunsaturated fatty acids and somatotropin on reproduction in cattle	<b>Matt Lucy</b> , University of Missouri
11:15	Use of CIDR's in Dairy Heifers	<b>Jerry Olson</b> , Pharmacia Animal Health
12:00	Lunch	Provided by Sponsors
1:00	Infrared Detection of Thermal Stress in Cattle	<b>Mike Brouk</b> , Kansas State University <b>Bob Collier</b> , University of Arizona
1:45	Controlled Milk Fat Depression	<b>Lance Baumgard</b> , University of Arizona
2:15	CLA and Milk Fat; A Good News Story	<b>Dale E. Bauman</b> , Cornell University
3:00	Break	
3:15	Milk Quality	<b>Bob Peters</b> , University of Maryland
4:00	Adjourn	

**For further information or to register please call (520)  
621-3375 or email [arettig@ag.arizona.edu](mailto:arettig@ag.arizona.edu)**





## HIGH COW REPORT JULY, 2002

### MILK

Arizona Owner	Barn #	Age	Milk	New Mexico Owner	Barn #	Age	Milk
* Red River Dairy	7354	7-0	41,012	Goff Dairy	395	4-03	45,720
* Stotz Dairy West	12490	4-7	38,950	* Hafliger Dairy	6892	4-03	38,580
* Stotz Dairy West	11216	5-8	37,000	* Do-Rene Dairy	913	5-06	38,580
* Red River Dairy	4228	4-6	36,858	* Do-Rene Dairy	714	5-06	38,520
* Red River Dairy	921	3-3	36,519	S.A.S. Dairy	4121	3-10	37,863
Martha Linda Dairy	4648	7-2	36,280	Pareo Dairy	1563	5-05	37,650
* Stotz Dairy West	11697	5-0	36,210	* Hafliger Dairy	2900	5-06	36,920
* Red River Dairy	813	3-3	36,066	Pareo Dairy	1771	7-06	36,487
* Red River Dairy	4254	3-3	35,900	* Hafliger Dairy	2404	6-06	36,170
* Stotz Dairy West	12208	4-9	35,790	Pareo Dairy	1521	5-01	36,064

### FAT

* Stotz Dairy West	12490	4-7	1635	* Hafliger Dairy	6892	4-03	1663
* Red River Dairy	9892	4-6	1577	Pareo Dairy	9588	5-03	1603
U of A Holsteins	262	3-3	1470	New Direction Dairy	1149	2-11	1535
* Red River Dairy	607	4-6	1452	Goff Dairy	395	4-03	1504
* Red River Dairy	7592	5-8	1436	* Hafliger Dairy	3757	6-06	1480
* Stotz Dairy West	9539	8-7	1431	* Hafliger Dairy	6450	4-03	1435
* Red River Dairy	8002	7-0	1419	Pareo Dairy	1563	5-05	1431
* Stotz Dairy West	11037	5-9	1414	* Hafliger Dairy	6832	4-03	1419
* Red River Dairy	728	4-6	1403	* Hafliger Dairy	5096	9-08	1411
* Red River Dairy	8784	5-8	1402	* Hafliger Dairy	6470	4-03	1352

### PROTEIN

* Red River Dairy	4228	4-6	1109	Goff Dairy	395	4-03	1398
Martha Linda Dairy	4648	7-2	1104	* Hafliger Dairy	6892	4-03	1196
* Red River Dairy	813	3-3	1100	Pareo Dairy	1691	4-10	1127
* Red River Dairy	7354	7-0	1092	Pareo Dairy	1771	7-06	1096
* Stotz Dairy West	6338	6-10	1058	* Do-Rene Dairy	913	5-06	1088
* Stotz Dairy West	12490	4-7	1055	* Hafliger Dairy	6450	4-03	1087
* Hillcrest Dairy	2899	3-0	1048	* Providence Dairy	3161	4-11	1070
* Stotz Dairy West	8314	3-11	1046	* Goff Dairy	9606	4-03	1060
* Hillcrest Dairy	2773	4-2	1045	Pareo Dairy	1563	5-05	1051
* Stotz Dairy West	12726	4-5	1044	* Hafliger Dairy	287	5-06	1050

\* 3X milking

**ARIZONA – TOP 50% FOR F.C.M. <sup>b</sup>**  
**JULY, 2002**

<b>OWNERS NAME</b>	<b>Number of Cows</b>	<b>MILK</b>	<b>FAT</b>	<b>3.5 FCM</b>	<b>DAYS OPEN</b>
* Red River Dairy	4053	27,615	984	27,899	119
* Stotz Dairy	2117	27,539	970	27,638	181
University of Arizona Holsteins	167	26,215	950	26,742	168
Martha Linda Dairy	1922	25,471	921	25,951	169
* Mike Pylman Dairy	2497	25,279	896	25,461	153
* Stotz Dairy East	1349	25,057	861	24,797	199
Paul Rovey Dairy	428	24,394	861	24,511	135
* Hillcrest Dairy	2405	24,707	845	24,387	173
Desert Ridge Dairy LLC2	498	24,124	848	24,184	144
University of Arizona Brown Swiss	122	22,540	890	24,180	125
* Arizona Dairy North	2652	24,034	847	24,029	170
* Zimmerman Dairy	1244	23,629	842	23,872	182
* Del Rio Holsteins	1225	23,303	821	23,391	139
* Arizona Dairy South	3205	23,746	820	23,343	156
DC Dairy, LLC	1074	23,179	846	23,742	169
Butler Dairy	622	23,187	809	23,146	177
* Wigwam Dairy	1421	23,041	826	23,358	160
* Saddle Mountain Dairy	2130	23,416	768	22,579	144
* Dairyland Milk Company	2482	22,534	756	22,003	137
* Dutch View Dairy	1633	22,053	761	21,876	180
* Danzeisen Dairy, LLC	1269	20,964	773	21,601	140
Gladtime West Holsteins	341	21,792	742	21,457	183
* Goldman Dairy	2074	21,126	749	21,281	175
* Del Rio Brown Swiss	156	20,772	756	21,243	109

**TOP 50% ACTUAL MILK – OFFICIAL & UNOFFICIAL HERDS FOR NEW MEXICO**

<b>OWNERS NAME</b>	<b>Number of Cows</b>	<b>MILK</b>	<b>FAT</b>	<b>.5 FCM</b>	<b>DAYS OPEN</b>
* Pareo Dairy # 1	1396	25,920	934	26,355	162
* Hafliger Dairy	1782	25,035	916	25,681	152
McCatharn North Dairy	1066	24,984	859	24,734	153
* Do-Rene Dairy	2619	24,819	841	24,371	131
Ken Miller Dairy	356	24,742	826	24,095	155
* Pareo Dairy # 2	2745	24,419	910	25,317	144
* Tallmon Dairy	525	23,989	855	24,239	172
* S.A.S. Dairy	2022	23,842	857	24,208	135
Price Roswell Farm	2789	23,356	846	23,820	127
* Vaz Dairy	1529	23,112	797	22,919	158
* Hide Away Dairy	2174	22,962	773	22,465	118
* High Plains Dairy	1730	22,418	835	23,236	160
Breedyk Dairy	2800	22,331	724	21,398	135
Desperado Dairy	1480	22,078	814	22,748	168
Baca Linda Dairy	1292	22,027	808	22,629	145

\* 3X a day milking

<sup>b</sup> average milk and fat figure may be different from monthly herd summary; figures used are last day/month

**ARIZONA AND NEW MEXICO HERD IMPROVEMENT SUMMARY  
FOR OFFICIAL HERDS TESTED JULY, 2002**

		<b>ARIZONA</b>	<b>NEW MEXICO</b>
1.	Number of herds	45	29
2.	Total cows in herd	67,180	45,967
3.	Average herd size	1493	1585
4.	Percent days in milk	86	86
5.	Average days in milk	217	196
6.	Average milk – all cows per day	61.1	61.7
7.	Average percent fat – all cows	3.5	3.5
8.	Total cows in milk	57,775	39,588
9.	Average daily milk for milking cows	71.1	72.6
10.	Average days in milk – 1 <sup>st</sup> breeding	83	74
11.	Average days open	156	147
12.	Average calving interval	13.9	13.9
13.	Percent somatic cell – linear 0-4	84	79
14.	Percent somatic cell – linear 5-6	10	14
15.	Percent somatic cell – linear 7 & above	6	6
16.	Average previous days dry	64	69
17.	Percent cows leaving herd	32	35.3
		<b>STATE AVERAGE</b>	
	MILK	21,911	21,942
	Percent butterfat	3.6	3.6
	Percent Protein	3.0	3.0
	Pounds fat	780	789
	Pounds protein	646	652

- Arizona Dairy Production Conference  
October 17, 2002
- Southwest Nutrition and Management  
Conference  
February 20-21, 2003
- Arizona Dairy Day  
March 7, 2003

ARIZONA COOPERATIVE EXTENSION  
U.S. DEPARTMENT OF AGRICULTURE  
The University of Arizona  
Tucson, Arizona 85721  
OFFICIAL BUSINESS  
PENALTY FOR PRIVATE USE, \$300



THE UNIVERSITY OF  
**ARIZONA**<sup>®</sup>

COOPERATIVE EXTENSION  
Department of Animal Sciences  
P O Box 21 0038  
Tucson, AZ 85721-0038

Phone: 520-621-3375  
Fax: 520-621-9435

Email: arettig@ag.arizona.edu

PRESRST STD  
POSTAGE & FEES PAID  
USDA  
PERMIT NO G-268