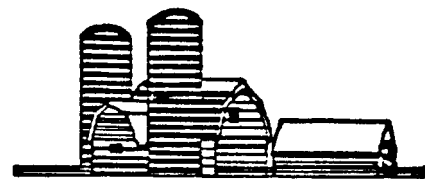




21st Century Dairying



A dairy newsletter for Fresno and Madera Counties

September 2005

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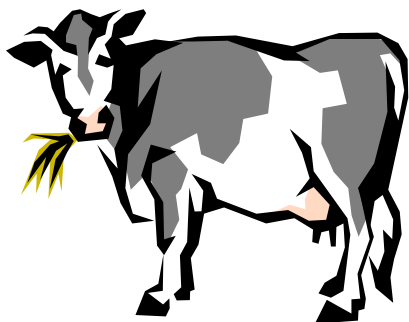
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Dairy Herdsman Short Course

Enclosed are registration materials for the next Dairy Herdsman Short Course scheduled for October 18-20, 2005 at **California State University-Chico**. The location of the short course will be the CSU-Chico Agricultural Center.

Please register early as the course fills up rapidly. For further information on the short course contact Gerald Higginbotham, UCCE Fresno/Madera County dairy advisor, at (559) 456-7558.

Dairy Incentives Pay Publication

A new 4th edition of Dairy Incentives Pay is now available. The new edition will provide you with information on how to establish or troubleshoot an incentive pay program at your dairy operation. The publication covers incentive programs for increasing pregnancy rates on a dairy, incentives for calf raising, milk quality incentives, hoof care incentives and herd health incentives.

To obtain this Dairy Incentives Pay publication, go to the University of California Agricultural Labor Management website at:

<http://www.cnr.berkeley.edu/ucce50/ag-labor/> (English Version)

or

<http://www.cnr.berkeley.edu/ucce50/ag-labor/> (Spanish Version)

Just click Dairy Incentives. You will need the latest free Acrobat Reader. If you need further assistance, contact Gregorio Billikopf Encina, UCCE Agriculture Labor Management Advisor at (209) 525-6800 or by email at gebillikopf@ucdavis.edu.



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WATER BOARD REQUIRES DAIRIES TO SUBMIT REPORT

On August 8, the Central Valley Regional Water Quality Control Board sent a letter to owners and operators of Central Valley milk cow dairies requesting them to submit a mandatory Report of Waste Discharge no later than October 17, 2005. The report includes a fee. Dairies which already have Waste Discharge Requirements issued by the Regional Board will receive the same request, but there is no fee charged.

In May 2003, the Regional Board sent a letter to all dairies about their obligations to comply with *California Water Code Section 13260*, which requires a Report of Waste Discharge, and compliance with the new federal and state regulations for protecting water quality. In that letter, the Regional Board said dairy farmers were not to submit any information to the Regional Board until requested to do so.

The August 8th letter is the request to proceed with the submittal of a Report of Waste Discharge.

Dairy producers in the Fresno/Madera County areas that do not receive a letter from the Regional Board or who have questions about the Regional Board's dairy regulatory program are urged to contact the following staff member:

- **David Sholes in Fresno (559) 445-6279 dsholes@waterboards.ca.gov**

The California Dairy Quality Assurance Program will be holding help sessions to provide assistance in completing the Report of Waste Discharge. Meeting dates and locations are included in this newsletter. You are urged to contact the California Dairy Quality Assurance Program or your dairy association representative for more information.

The Report of Waste Discharge is the first step that dairy farmers need to go through to assess their waste handling and land application practices to be sure that they are protective of surface and groundwater quality.

Changes and improvements are likely on most dairies and Regional Board staff are urging all dairy farmers to work closely with the California Dairy Quality Assurance Program, UC Cooperative Extension, dairy industry groups, and private consultants when making these assessments to ensure that they are consistent with state regulatory requirements.

Regional Board staff is preparing Waste Discharge Requirements that will apply to existing Central Valley dairies. The Waste Discharge Requirements will address management of manure and wash water and will specify the minimum requirements that must be met to protect the quality of surface water and groundwater.

Regional Board adoption of the Waste Discharge Requirements is scheduled for the fall and all interested parties will have an opportunity to review and comment on the proposed action.

For the latest information, see the Regional Board web site at <http://www.swrcb.ca.gov/rwqcb5/>.



The PC Dairy Windows Project

P.H. Robinson¹ and A. Ahmadi²

¹Cooperative Extension Specialist

²Cooperative Extension Computer Programmer
University of California, Davis, CA 95616-8521

PC Dairy is a software package designed to formulate rations for dairy cows on a least cost basis primarily using National Research Council (NRC) equations published in 1989. PC Dairy was largely developed by Dr. Don Bath of UC Davis, now an Emeritus Specialist within the Department.

PC Dairy-2 (DOS Version) has been one of the most successful software programs developed by the Department of Animal Science at the University of California at Davis. Originally released in 1989, as PC Dairy-1, it was subsequently revised to PC Dairy-2 in order to incorporate new developments in the field of dairy cattle nutrition. However the popularity of Windows operating systems in the late 1990's encouraged us to convert the DOS version to Windows. This process, started in about 2000, has been very complicated and time consuming, and has involved code conversion as well as extensive beta testing. However, we are pleased to report that this long and winding road to a Windows compatible version of PC Dairy is finally complete, *and it is now available for purchase*.

The new version, **PCDAIRY WIN05**, comes on a CD with full installation instructions. This new program runs on Windows 95, Windows 98, Windows ME, Windows 2000 and Windows XP. This finalized version of PCDAIRY WIN05 is functionally identical to the PC Dairy-2 (DOS Version), but with full Windows user interface. The program comes with an extensive feed library, and allows formulation and evaluation of rations for lactating, dry and growing dairy cattle, as well as creating user selected summarization printouts, including truck loading and unloading schedules.

We are very excited about this new version of PC Dairy and hope that you will find it to be useful. An order form, as well as directions to our web site for more information, are on the next page.

* * * *

P.H. Robinson is a Cooperative Extension Specialist responsible for dairy cattle nutrition and nutritional management. He can be reached at: (530) 754-7565(voice) or (530) 752-0172(fax) or phrobinson@ucdavis.edu (EM) or animalscience.ucdavis.edu/faculty/robinson (web).

ORDER FORM FOR PCDAIRY WIN05

(Windows version)

PCDAIRY WIN05 is a microcomputer ration program for dairy cattle with 8 modules:

<i>Module name:</i>	<i>Function:</i>
MAXIMIZE	formulates rations that maximizes milk sale profit
LC	formulates least cost rations for lactating cows
GROWING	formulates least cost rations for growing cattle
EVAL-L	evaluates nutrient profile of a defined lactation ration
EVAL-G	evaluates nutrient profile of a defined growing ration
FEED LIBRARY	a complete feed library nutrient listing and edit function
DELIVERY	creates truck loading and unloading schedules
FEEDTAG	estimates energy values of feeds from 'feed tag' type assays

LICENSE FOR:	Regular	Educational
___ 1 Computer	\$ 400	\$ 240
___ 2-5 Computers	\$ 900	\$ 540
___ 6-10 Computers	\$ 1500	\$ 900
___ 11 or more computers	\$ 120/copy	\$ 75/copy

METHOD OF PAYMENT:

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___ **Purchase Order** (P.O. # _____)
___ **Credit Card** (Fill out the credit card form following and attach it to this form)

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ADDRESS: _____

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SIGNATURE: _____ DATE: _____

TO ORDER: send this form and your check or credit card form to:

PCDAIRY WIN05
Extension Software Support and Distribution
Dept. of Anim. Sci, University of California
Davis, CA 95616, USA

TELEPHONE: (530) 752-1278

<http://animalscience.ucdavis.edu/extension/software/Pcdairy/Windows/>

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Amount charged: _____ US Dollars

Signature: _____ Date: _____

Billing address:

Enter information exactly as it appears on your credit card statement:

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GOT HELP?

SEPTEMBER AND OCTOBER WATER QUALITY WORKSHOPS FOR CENTRAL VALLEY DAIRY PRODUCERS

Free sessions offer friendly, 'one stop' help in completing necessary form for meeting October 17 deadline

What deadlines do dairy producers and dairy owners face?

California Water Code Section 13620 authorizes the Regional Water Quality Control Boards to require Reports of Waste Discharge (ROWDs) from all dairy producers. The Central Valley Regional Water Quality Control Board (Region 5, covering the entire Central Valley) announced in August that all dairy producers have until Oct. 17, 2005 to file ROWDs.

Does it apply to me?

If you own or operate a dairy in the Central Valley of California, this deadline applies to you. All dairy owners and operators must comply with this requirement.

What will the workshop cover?

The workshop will cover general information about the ROWD, and additional requirements expected in the future. The workshop will provide hands-on, step-by-step help in filling out the necessary form.

Must I attend the workshop?

No. The workshops are a service provided by CDQAP to assist you. Attendance is not required. **But it is a requirement of the Regional Board that each dairy file a ROWD no later than Oct. 17.** Attending the workshop is a quick and easy way to get it done and to get a preview of what is coming in the future regarding water quality rules.

What must I bring with me?

To fill out the forms, you must have certain information with you. See the list on the opposite side of this flyer; make sure you bring this information with you or you will not be able to complete your paperwork during the session.

What is the fee? Must I bring it with me?

The workshops are free to all dairy producers/owners. However, dairy producers/owners must submit a fee to the Regional Board along with their completed ROWD by Oct. 17. You do not need to bring this fee with you to the workshop, but the fee **must be submitted with the form by the Oct. 17 deadline.** The fees are:

- ◆ 3,000 or more mature cows (lactating and dry) = \$4,360
- ◆ 1,500 to 2,999 mature cows = \$2,725
- ◆ 700 to 1,499 mature cows = \$1,308
- ◆ 300 to 699 mature cows = \$654
- ◆ Less than 300 mature cows = \$327

CDQAP-certified dairy producers receive a 50% discount on these fees. Information on how to certify will be available at the workshop.

WORKSHOP SCHEDULE

The following workshops are for dairy owners and dairy producers only. Unless otherwise noted, all morning, afternoon and evening workshops are identical. Please attend only one workshop.

Kern County (1 workshop)

Thursday, September 15, 10:30 a.m., UC Cooperative Extension Office, Kern County, 1031 South Mount Vernon Avenue, Bakersfield.

Kings County (3 workshops)

Tuesday, September 20, English language sessions at 10:30 a.m. and 2 p.m., English/Portuguese language session at 7 p.m., Knights of Columbus Hall, 5152 11th Ave., 4-5 miles north of Hanford.

Tulare County (3 workshops)

Wednesday, September 21, 10:30 a.m., 2 p.m., and 7 p.m., Tulare County UC Cooperative Extension, 4437 S. Laspina, Tulare.

Madera County (2 workshops)

Thursday, September 22, 10:30 a.m. and 2 p.m., Portuguese Hall, 800 S. Third Street, Chowchilla.

Fresno County (2 workshops)

Tuesday, September 27, 10:30 a.m. and 2 p.m., Veterans Memorial Hall, 3085 West Mount Whitney (across from high school), Riverdale.

Merced County (3 workshops)

Wednesday, September 28, 10:30 a.m., 2 p.m. and 7 p.m., Stevinson Hall, 2962 North Lander Ave., Stevinson.

San Joaquin County (2 workshops)

Thursday, September 29, 10:30 a.m. and 2 p.m., San Joaquin County Farm Bureau, 3290 N. Ad Art Road, Stockton

Stanislaus County (3 workshops)

Thursday, October 6, 10:30 a.m. and 2 p.m., English/Portuguese language session at 7 p.m., Harvest Hall, Stanislaus County Agricultural Center, corner of Service and Crows Landing Roads, Modesto.

Glenn County (2 workshops)

Tuesday, October 11, 10:30 a.m. and 2 p.m., Kountry Kitchen, 729 4th Street, Orland.

Yolo/Sacramento (2 workshops)

Wednesday, October 12, 10:30 a.m., 2 p.m., Sacramento County Farm Bureau, 8970 Elk Grove Blvd., Elk Grove

IMPORTANT: To complete filing of the form at the workshop, the person attending must have signing authority for the dairy and hands-on knowledge of the milking and farming operations. Detailed information will be needed to complete and submit your Report of Waste Discharge. Bring the following with you:

- ◆ Name(s), address(es), and county assessor parcel number(s) (APNs) for the dairy facility and cropland
- ◆ Name(s) of dairy **operator** and legal **owner**
- ◆ Number of each of the following: **milking cows, dry cows, heifers** and **calves**. Provide breed for all milking and dry cows. Include **maximum number** of mature cows (milking + dry) in last 12 months.
- ◆ Number, type and breed of **other commercial animals** at the dairy (e.g. beef cattle, etc.)
- ◆ How many **gallons of new wastewater** (not recycled water from the lagoon) generated daily.
- ◆ Know if **liquid or solid manures, sewage sludge, whey** or **other wastes** are applied to land
- ◆ **Know if tailwater return systems are present** on cropland where liquid or solid manures, sewage sludge, whey or other wastes are applied to land.
- ◆ Is your dairy Environmentally Certified under CDQAP? **If yes, when?**
- ◆ Total number of **acres of cropland under your control** to which you apply either manure/bedding or liquid manure, and crops you grow on this cropland.
- ◆ Know the **amount per year of solid manure/bedding sold off site or given away** (cubic yards/tons). To estimate, know how many truckloads were hauled off site.
- ◆ Have you submitted an NOI (Notice of Intent) to comply with the State Water Resources Control Board's National Pollutant Discharge Elimination System (NPDES) General Industrial Stormwater Permit?
- ◆ Do you have a written emergency response plan?
- ◆ Have your or your dairy previously submitted a Report of Waste Discharge? If so, when? What was the name of the facility at that time?

CALIFORNIA DAIRY QUALITY ASSURANCE PROGRAM PARTNER REPRESENTATIVES HAVE WORKED CLOSELY WITH REGULATORY AGENCIES TO DEVELOP CURRICULUM FOR THIS WORKSHOP

The California Dairy Quality Assurance Program (CDQAP) is a partnership of government, educators and the dairy industry, working together toward a single, shared goal: helping California dairy producers understand and comply with federal, state and local laws and regulations. CDQAP partners include:

*California Environmental Protection Agency - California Department of Food and Agriculture
California Farm Bureau Federation - California Milk Advisory Board - California Resources Agency
Milk Producers Council - State Water Resources Control Board - Sustainable Conservation
U.S. Environmental Protection Agency - U.S. Department of Agriculture, Natural Resources Conservation Service
University of California Cooperative Extension - Western United Dairymen*



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Fresno/Madera Counties



For special assistance regarding our programs, please
contact us.



September 2005