



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. PC Dairy was initially developed by Dr. Don Bath of UC Davis, and PC Dairy-2 (DOS Version) was one of the most successful software programs developed by the Department of Animal Science. 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 caused a conversion of the DOS version of PC Dairy-2 to a Windows compatible version in 2005.

To date, we have sold copies of PC Dairy to dairy producers, dairy consultants and educators worldwide. Feedback is uniformly positive and we are very confident that the Windows version of PC Dairy will be useful to dairy folks in many ways. Two recent upgrades to PC Dairy include addition of a grazing module (in collaboration with Dr. Pablo Chilibroste of the University of Uruguay) and creation of a fully Spanish language version of PC Dairy. Both updates were released in 2012.

An exciting current project is integration of PC Dairy with the programs SHIELD and CTR Dairy to create a combined dairy ration formulation (PC Dairy) and evaluation program, with one evaluation based on point in time (SHIELD: most appropriate for TMR feeding systems), and the other evaluation (CTR Dairy) based on diurnal evaluation of digestion events, which is most suitable for component and pasture feeding systems.

The current version, **PCDAIRY 2015**, comes on a CD with full installation instructions. This new program runs on all Windows versions, including Windows 10. 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.

An order form, as well as directions to our web site for information, is on the next page.

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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 (email) or animalscience.ucdavis.edu/faculty/robinson (web).

ORDER FORM FOR PCDAIRY 2015 (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
PASTURE	estimates pasture feed intake for grazing cattle
METHANE	estimates enteric methane emissions from cattle

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Davis, CA 95616, USA

TELEPHONE: (530) 752-1278

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

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