

# NEW FEATURES

PCDART Versions 7.14.0 - 7.14.0.D



## NEW for PCDART 7.14.0.D

### PocketDairy Android



- View **cow pages, health records and action lists.**
- **Syncs with PCDART** over a Wi-Fi or wired connection.
- Requires phone or tablet using Android OS version **2.2 or later.**

### Trackers

- **Activity Tracker**
  - Added **filters for Remarks and Health Treatment.**
  - Added **Event Days Carried Calf, Event DIM, Event Group, and Count** to the cow list.
- **Conception Tracker**
  - Added **filter for Remarks.**
  - Interval for **repeat breedings** changed to 2 days.
  - Repeat breedings labeled with “R”.
- **All Trackers**
  - Added **CtlF1-Custom tab** to Cow Page to allow display of user-defined sets of data for cows and heifers with up to six customized panels. Display DBIs, health and status records, milk data, test day data, assigned protocols, chores and sort gate.

## NEW for PCDART 7.14.0 - 7.14.0.C

### Cow Page

- **F11 Life Notes tab** was added to provide the option to enter and display a text notes area for each individual cow. Entry can be made from the F11 tab or from the Input Desk.
- **F2 Status Tab** was modified to indicate that a cow aborted regardless of days since bred.
  - If more than 152 days, a new lactation will start, date will be in yellow, and “Abort” will display instead of “Calved.”
  - If less than 152 days, a new lactation will not start and the date will be similar to other status events and also display “Abort.”
- **Jersey Performance Index (JPI)** was added to the data imported from the Jersey Appraisal files and value is displayed on the Ctrl F4 tab of cow page.
- **Sold event** added to F2 tab to reflect date and reasons sold.
- **Ctrl F4 tab is available for heifers** if importing data like names from breed associations.

### Data Entry

- **Cow Picker added to Task menu** to select cows for sampling.
- **Removed from Bull added to Turned with Bull (P12):** added input screens to record date a cow was removed from herd bull; enhances Report 126.
- **Life Notes (P78):** Added to provide a text message area for each animal; entry can be added from Input Desk or the F11 Life Notes tab in Cow Page.
- **Abortions can now be entered in Calving screen:** Modified P1 screen to accommodate cows aborting earlier than 152 days after breeding. Cow will not start a new lactation if less than 152 days; do not need to go to Vet Check (P6) to record as Open.
- **ID corrections on animal sold this test** can now be made without first removing the sold date.
- **Chores Done (P11):** can now select and enroll on a Booster Protocol when any Vaccination or Medication Chore is Done.
- **Embryo Transfer (P7):** added breeding triggers.

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## Reports

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- **New Database Items:**

- 349 Chores Done - choice of Current lactation or All lactations
- 372 Times Verified Pregnant
- 373 Times Rechecked
- 374 Days Since Last Repro Check
- 375 Last RepRck Code and Date
- 376 Currently with Bull *NOTE: Repro code T will not override previous repro code. Use DBI 376 to determine cows with bull.*
- 377 Days since bred / ET fertilization - *adds 7 days to implant date for recipients*
- 378 Date Removed from Bull
- 379 Abortion Date
- 380 Days Since Last Abortion Date
- 381 Abort Starts New Lactation
- 382 Dry Donor Dam
- 641-654 Milk by Week for Weeks 1-14  
*See pages 4 - 5 for more details on the Milk by Week feature.*

- **Report Enhancements:**

- 99 **Barnsheet:** sort order changed to match sort order for new versions of 201/401 DHI reports
- 113 **Cow and Heifer Event List:** added option to display Sex Ratio by Sire
- 126 **Preg Rate:** if “Turned with Bull” and “Removed from Bull” dates are entered, AI or Bull pregnancy rates can be assessed  
**Summary:** added button to display in spreadsheet format; *report must be previewed before the correct spreadsheet file can be viewed*
- 244 **Date Bred MDY for Recipients carrying ETs:** changed from 5 days to 7 days earlier than a normal breeding
- 814 **Milking Report-Milk Production by Group:** added option to display only cows with estimated weights

- **Database Item Enhancements:**

- 366 **Date Turned with Bull:** year added to date  
**Auto Subgroup feature** added for most items

- **Modified Database Items:**

These items were changed for recipients carrying an ET from 5 to 7 days earlier than a normal breeding:

- 3 Days until due
- 48 Days until next expected heat date
- 87 Due date
- 95 Next expected heat date

- **Customizable Database Item List - Herd Statistics Today:** Added option to edit the DBI lists.

*A complete list of database items is available in PCDART HELP with details on which items can be used to list, sort, control and subgroup.*

## PCDART System

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- **Tracker menu item** added; includes drop-down menu for all installed Trackers.
- **Direct link to DRMS website** ([www.drms.org](http://www.drms.org)) was added to main PCDART screen.
- **Get TeamViewer added to Help menu** to allow access to client’s computer if required for support.
- Option to **restore reports from backup database** was added.
- **DigiStar update file** was changed to reflect the total pounds of milk for each group instead of the average for the group.
- **Herds on type test 01 and 21 were changed to 31 and 23** to match NDHIA new test plans.
- **Backup and Restore process** was enhanced with colors and warnings to ensure an old database is not accidentally restored.
- **International DDMM date format** support was added in PCDART, 800 series Standard Reports, DBI’s, and User Reports.

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## Test Day

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- **New DHI Report Options** added to Herd Options screen: Herd Summary (302), Pocket List (319), Herd Evaluator (402), Johne's Analysis (420), Test Day Bulk Tank (421), Heifer Birth and Sexed Semen Analysis (426); added sub-option for sort order on Barn Report (212).
- **Errors Only button added to Scan** to display Errors without Warnings during a Preliminary Scan.
- **Enlarged scan window** to display more errors and enhance readability.
- Can now **save errors as a text file**.
- Changed **high sample number** to a 5 digit number, but it cannot exceed 65535.
- **Long invoice enhanced** to provide a detailed list of lab charges.

## PocketDairy

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- Added **Wrong Group Alert** when wandering or tapping in cow's number.
- **Embryo Transfer** can be entered in breeding screen.
- **Timed AI** can be entered.
- **Hoof health** data can be entered on Pocket PC.
- Can **create Reports and Worklists with user defined sorts and selections**.
- **Worklists are now saved between syncs**.
- **Bull will display** rather than Heifer when a young animal is entered as a bull.

## Protocols

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- **Expected Dry Protocols** can be auto-enrolled with a P27 Estimated Bred Date event.
- Added **Booster Protocols** for better control to establish when a booster should be given. *PCDART HELP has detailed instructions for this feature.*

## PocketMeter

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- Option to **convert a CSV file into a PCMILK file for PCDART** was added to PocketMeterLink.
- Added option to **save multiple backups**.

## Milking System Interfaces

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- Added interface with **BouMatic Smart Dairy**.
- Added interface with **DeLaval DelPro**.
- Added support for **Lely** systems.
- Added support for **Tru-Test files for daily weights**.
- Added **RFID support for AfiFarm**.
- No longer require transponder number and group number for herds using **Alpro** (versions 6.5 and higher), **VMS**, and **DelPro**.
- Added function to send startup files for **DelPro**.
- Added lactation number to information sent to herds using **DairyMaster**.
- Added interface for **AfiFarm** version 3.07.
- Added option to select receipt of data for heifers, cows or both from **SmartDairy**.

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## Trackers

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- **Activity Tracker** (Released November 2009)  
Activity Tracker counts recorded events relative to the date and the cow's days in milk. It counts status events (FRESH, BRED, PREG, etc.), user-defined health codes, chores and protocols. By changing date ranges and calving cohorts, you can monitor trends over time. Using Activity Tracker to assign cows with certain activities to a Temp Group, in conjunction with standard or user-created PCDART reports, allows many more questions to be answered.
- **Heifer Tracker** (Released March 2010)  
Heifer Tracker analyzes your replacement herd. A specific data set can be produced for any group of heifers on the dairy. The metrics evaluate several key areas of heifer management: inventories, how quickly heifers are bred, how quickly heifers get pregnant, breeder performance, hard counts of critical events, and survival. Heifer performance can be monitored to spot trends and focus on needed improvements.
- **Conception Tracker** (Released May 2010)  
Conception Tracker answers extremely specific questions related to AI breedings. Only eligible breedings are counted; a breeding is deemed ineligible if the outcome is unknown, or if there were multiple breedings in a 17 day window. Numerous filters related to the breeding date, service sire, technician, day of the week, semen type, etc. allow you to get answers to many questions related to reproduction.
- **Maternity Tracker** (Released January 2011)  
Maternity Tracker provides quick and convenient access to all calvings (FRESH events) recorded in PCDART, and is intended to answer specific maternity questions. It focuses on DOAs (Dead On Arrival or stillborn calves), % female, calving ease scores, twins and more. Filters allow you to look at gestation length, dry period length, age at calving, day of week born, semen type, etc. Include the filters you need to answer your particular question.

## New Features Added in 7.14.0 -7.14.0.C

### Activity Tracker:

- **Vet Check, Abort, Vet Check-Open, Vet Check-Preg, Vet Check-Verified Preg, and Embryo Transfer** events
- **ET, Non-ET, and Both** settings for counting Bred and Preg events
- **Multiple sort feature** in drill down section
- **Group number** as a setting
- **Health Remark** to drill down for Health Events
- **Display of remarks** for all events
- Can **assign temp group** to displayed animal list
- **Cohorts tab**, including an Age at Calving filter
- **'NOT' option** for user-defined fields
- **Filter by Index number or range**
- **Show Counts button** added to see how many times a particular event occurred and which cows had multiple events. *Some events are further broken down by lactation number. Once Show Counts is viewed, an **Occurrence button** is available to filter counts by number of times the event occurred.*

### Conception Tracker:

- If **Turned with Bull** and **Removed from Bull** dates are entered correctly, only AI breedings will be considered
- Ignore **Service Sire Filter** and Ignore **Stud Code Number Filter** check boxes were added so both would not have to be selected
- **Cohorts tab**, including an Age at Calving filter

### All Trackers

- **Not Equal option** added to string, group and temp group settings on the Settings tab
- **Printer Setup dialog box** added to Print button

## Get More Tracker Details at [www.drms.org](http://www.drms.org)

Documentation and videos are available on the DRMS website to help you get started with Trackers.

# Milk by Week Feature

## Accurately Tracks Fresh Cow Milk Production



The *Milk By Week* feature in PCDART reports provides a more accurate method of tracking fresh cow milk production. Milk for a given week can be estimated so that the Days In Milk Range and Average Days In Milk are consistent. Here is how it works:

- 14 new database items (DBIs) in PCDART track average milk in Weeks 1-14 (DBIs 641-654). They can be used in any report. DBI 641 is Week 1 milk, DBI 642 is Week 2 milk, and so on.
- Weekly milk is an estimate of each cow's average production during the week in question.
- Weekly milk estimates are not projections. They are determined from test day weights in the current lactation, but do not project past the most recent test day.
- Weekly averages before first test day are estimated using lactation curves for that cow.
- Weekly averages between test days are determined using linear estimates between test days.
- Weekly milk for herds that have daily weights is an average of the daily production for 7 days.

### Why is Milk By Week More Accurate?

First Test Day Milk and 0-40 Day Milk are commonly used measures to track milk production of fresh cows. These measures have merit, but can be misleading at times. Potential errors occur when using these metrics:

#### First Test Day Milk

*Range in DIM on Test Day.* Typically cows are less than 30 DIM on their first test day. If test day intervals are inconsistent, DIM on first test day can vary greatly from test day to test day. For example, suppose a herd tested Dec 11, Jan 15, and Feb 12. On the Jan 11 test day, first test day DIM range is 1 to 35 days. On the Feb 12 test day, first test day DIM range is 1 to 28 days. It would be potentially inappropriate to compare the average first test day milk weights from the Jan and Feb test days, given such a difference in DIM range. Cows usually increase rapidly in milk production each day for the first 30 to 40 days of lactation. A large variation in DIM on test day can distort the comparison of first test day milk from test day to test day.

*Average DIM on Test Day.* Calving patterns can skew average DIM on test day. If a herd tests consistently on 30 day intervals, the DIM range is consistent. However, suppose on one test day the average DIM at first test is 12 days, and on the next test day the average DIM on first test is 20. In this case, it would be inappropriate to compare first test day yields. Herds using synchronization programs commonly have clusters of calvings that can distort average DIM on first test day.

#### Milk from 0-40 DIM

*Average DIM on Test Day.* For the same reasons as First Test Day Milk, average DIM for cows that are 1-40 DIM can vary from test to test based on calving patterns.

Narrowing the milk estimated to a given week removes the wide swings in average DIM on first test that can occur when using First Test Day Milk and Milk from 0-40 DIM metrics. *Milk by Week* gives you a more focused and accurate picture of fresh cow milk production performance.

PCDART 7 - Edit Reports

File Edit Tips

Report 069 Week X values

Animals to List  
 Cows  Heifers  Both  Bulls  
 Animals  Summary  Both

Major Sort Last calving date  
 Order 074  A  C  D  Auto Subgroup

Minor Sort  
 Order  A  C  D

Database Items to List in Report

DBI Description  
 050 Index  
 074 Last calving date  
 007 Days in milk on ref date  
 641 Avg. Daily Milk-Week 1  
 642 Avg. Daily Milk-Week 2  
 643 Avg. Daily Milk-Week 3  
 644 Avg. Daily Milk-Week 4  
 645 Avg. Daily Milk-Week 5  
 646 Avg. Daily Milk-Week 6  
 647 Avg. Daily Milk-Week 7  
 648 Avg. Daily Milk-Week 8  
 649 Avg. Daily Milk-Week 9  
 650 Avg. Daily Milk-Week 10  
 651 Avg. Daily Milk-Week 11  
 652 Avg. Daily Milk-Week 12  
 653 Avg. Daily Milk-Week 13  
 654 Avg. Daily Milk-Week 14

Averages  
 Full Detail  Averages Only

Controls / Filters Subgrouping

Limit or Control Which Animals to Include on the Report

DBI Description	Lower	Upper
276 Last calving date YR-MO	20100601	20101231

Print Specs

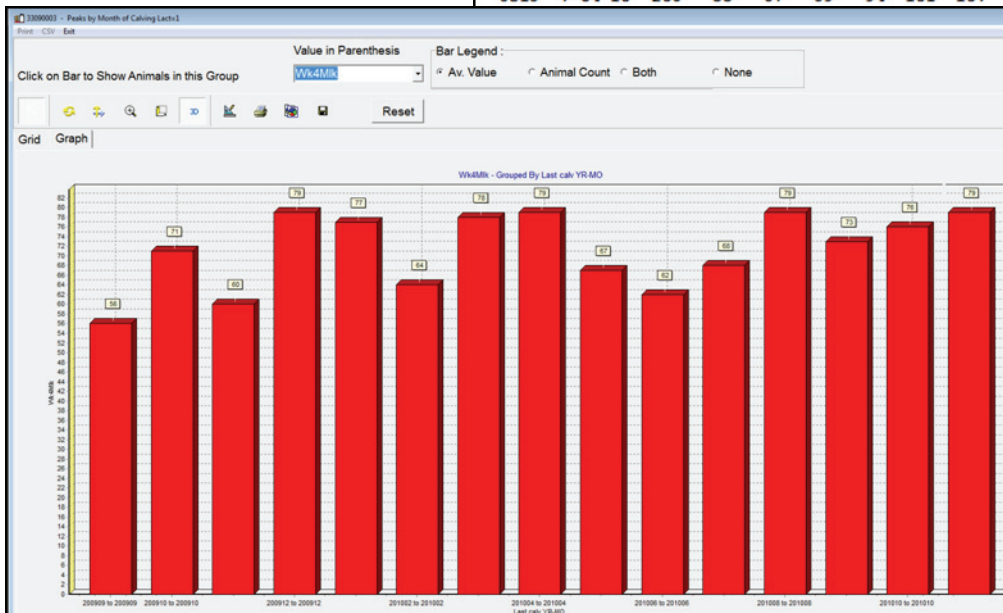
*PCDART Report created with Milk By Week values.*

069 - Week X values

Last Daily Milk:01-25

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Index	Calv Date	Days In Milk	Avg Milk Wk1	Avg Milk Wk2	Avg Milk Wk3	Avg Milk Wk4	Avg Milk Wk5	Avg Milk Wk6	Avg Milk Wk7	Avg Milk Wk8	Avg Milk Wk9	Avg Milk Wk10	Avg Milk Wk11	Avg Milk Wk12	Avg Milk Wk13	Avg Milk Wk14
7311	6-03-10	237	48	67	70	67	73	71	68	60	28	36	38	43	51	57
8143	6-05-10	235	62	87	97	101	108	108	103	94	91	97	93	104	101	105
8429	6-09-10	231	16	41	63	73	78	79	76	76	76	77	76	72	74	79
8213	6-11-10	229	72	75	65	88	90	83	90	97	98	90	103	78	96	93
7946	6-12-10	228	39	83	98	88	84	98	92	96	101	106	111	108	111	108
8304	6-12-10	228	56	81	80	88	85	101	95	102	103	106	103	110	108	113
8381	6-13-10	227	42	54	66	73	76	72	78	81	88	85	91	91	91	87
8316	6-15-10	170	61	74	76	73	73	74	74	48	57	64	67	73	75	69
8135	6-17-10	223	67	81	97	90	91	88	94	86	86	96	104	111	112	113
8227	6-17-10	223	33	61	76	79	85	86	86	88	86	89	91	99	102	99
8171	6-22-10	218	76	92	86	85	84	74	101	104	114	115	119	118	123	118
8432	6-24-10	216	45	65	69	77	83	83	81	91	90	86	90	89	93	93
8178	6-27-10	213	67	79	93	103	91	102	104	110	108	123	124	127	117	78
8239	6-30-10	210	78	85	97	103	90	100	92	99	112	117	120	123	111	113
***** 14 cow average for LastCalv = 06-2010																
		221	54	73	81	85	85	87	88	88	88	92	95	96	98	95
8310	7-02-10	208	30	45	63	76	77	89	95	100	98	105	108	112	101	101
8409	7-03-10	207	40	50	62	62	69	76	83	83	88	89	89	93	77	91
8236	7-04-10	206	48	60	65	67	82	75	84	92	108	113	109	123	119	116
8318	7-04-10	206	55	67	89	94	101	107	109	112	108	118	121	121	115	113
80	77	83	78	79	76	68	74	96	97	98	98	95	95	94	93	94
94	94	100	102	103	104	106	104	16	107	109	108	120	113	107	112	112
81	80	81	82	82	81	81	80	15	121	127	125	121	124	121	120	120
80	78	81	80	82	81	82	82	17	110	122	112	119	125	118	113	113
65	45	50	62	66	75	75	78	92	108	116	114	111	113	113	110	107
03	109	108	108	110	107	105	99									



*Week 4 Milk for Cohort Calving Groups using PCDART Crosstabs.*



DAIRY RECORDS MANAGEMENT SYSTEMS

www.drms.org