

Chapter 4

Creating a Resynch Program in PC Dart

Resynch

--Click on "File"

File

The screenshot shows the PCDART software interface. At the top, there is a menu bar with options: File, View, Analysis, Input Desk, Tasks, Print, Tips, Help. Below the menu bar is a toolbar with various icons. The main window title is "4309006 - UNIV. OF MO FOREMOST DAIRY - Test Date: 12/20/2007". The interface is divided into several sections:

- PCDART** (Header)
- Quick Entry** (Input field with a question mark icon)
- Overview** (Button)
- Action Lists** (Section with a "Run Set 'Overview'" button)
- Test Day Statistics** (Section with a checkbox)
- Herd Statistics Today:** (Summary box on the right)

The **Action Lists** section contains a table with the following columns: NextExpHeat, AniType, BarnName, Grp, DIM, TmsBrd. The data is filtered by "Heat in 7", "Due in 7", and "Dry in 7".

NextExpHeat	AniType	BarnName	Grp	DIM	TmsBrd
Dec 27	C	2041	1	304	7
Dec 27	C	2089	1	112	1
Dec 28	C	505	1	355	6
Dec 28	C	589	3	114	1
Dec 28	C	598	1	270	4
Dec 28	C	701	1	112	1
Dec 28	C	755	3	394	5
Dec 28	C	797	1	113	1
Dec 28	C	853	4	171	2
Dec 28	C	872	1	162	1
Dec 28	C	924	1	325	5
Dec 28	C	939	1	187	2
Dec 28	C	965	3	115	1
Dec 28	C	G-218	3	205	4
Dec 28	C	G-350	5	309	6
Dec 28	C	G-351	3	293	6
Dec 28	C	G-353	1	328	8
Dec 28	C	2022	2	312	4
Dec 28	C	2051	3	308	5
Dec 28	C	2053	2	599	9
Dec 28	C	2064	3	113	1
Dec 28	C	2065	1	420	6
Dec 28	C	2070	3	121	1
Dec 28	C	2074	3	374	6
Dec 28	C	2083	1	116	1
Dec 28	C	2092	1	445	9
Dec 28	C	2093	1	466	9
Dec 28	C	2107	3	305	5
Dec 28	C	2108	2	304	5

The **Herd Statistics Today:** section on the right provides a summary of the herd's status:

- Cows:** Total: 197, In Milk: 167, Dry: 30, Open: 41, Bred: 89, Pregnant: 67, Heat in 7 days: 45, Due in 7 days: 4, Dry in 7 days: 5.
- Heifers:** Total: 256, Bred: 34, Pregnant: 71, Heat in 7 days: 17, Due in 7 days: 5.
- Bulls:** 3.

At the bottom of the window, it says "PCDART Current: Cw 103".

Choose "Management Options"

The screenshot displays the PCDART 6 software interface. The title bar reads "43090006 - UNIV. OF MO FOREMOST DAIRY - Test Date: 10/2/2008". The menu bar includes "File", "View", "Analysis", "Input Desk", "Tasks", "Print", "Tips", and "Help". The "File" menu is open, and "Management Options..." is highlighted with a red circle. Other menu items include "Milking Machine Interface...", "PCDART 6", "Protocols...", "Program Setup...", "Config...", "Herd Download Setup...", "Printer Setup...", "Scheduled Items...", "Backup", "Restore", and "Exit".

The main window shows "Action Lists" with a table of data. The table has columns for "BarnName", "Grp", "DIM", and "TmsBrd". The data rows are as follows:

	BarnName	Grp	DIM	TmsBrd
	703	3	141	1
	925	3	110	1
	G-361	6	142	1
	2017	3	183	3
	2122	3	109	1
Oct 24	2170	1	224	5
Oct 27	2139	1	413	11
Oct 30	2121	5	606	4
Oct 30	G-395	0	0	3
Oct 31	1360	1	186	4
Oct 31	2109	3	181	3
Oct 31	G-390	0	0	4
Oct 31	2272	0	0	5

On the right side, there is a "Herd Statistics Today" panel with the following data:

Cows

- Total: 222
- In Milk: 183
- Avg DIM: 177
- Dry: 39
- Open: 80
- Bred: 20
- Pregnant: 121
- Percent Preg: 55
- Heat in 7 days: 10
- Due in 7 days: 9
- Dry in 7 days: 12

Heifers

- Total: 246
- Bred: 5
- Pregnant: 82
- Heat in 7 days: 3
- Due in 7 days: 11

Bulls

- Total: 0

The bottom status bar shows "PCDART Current: Cw 103". The Windows taskbar at the bottom includes the Start button, taskbar icons for "Reprodu...", "Microsoft...", "Herd Ma...", and "PCDART", along with the AOL Search bar and system tray showing the time as 3:49 PM on Friday.

--Select "Timed AI"

The screenshot shows a software window titled "Management Options" with several tabs: "Days to Prep", "Index Barn", "Info panel", "ME 2X 3X", and "Timed AI". The "Timed AI" tab is highlighted with a red circle. Below the tabs, the main content area is titled "User Defined Timed AI Protocols" and includes a "Help" button. A red warning message states: "Veterinary supervision is required for extra-label drug use." To the right, there is a dropdown menu with the text "You may use one of these Timed AI Protocols as a model:". Below this, there are several tabs: "POS", "ReSync", "CIDRCS", "unnamed", "unnamed", and "unnamed". The main configuration area contains a table with columns for "Name", "Description", and checkboxes for "Use 14 day intervals to schedule start dates (default is weekly)", "Minimum DIM to breed cows", and "Minimum Age (days) to breed heifers". The "Name" field contains "#4". Below the table, there are sections for "PreSync Setups", "Start of program", and "Breed Event". The "Start of program" section includes a "Heifer Age >" field, a "Cow DIM >" field, and a row of "Events" with eight input boxes. Below the events are "days to next" input boxes. There is a checkbox for "Do not schedule setups for diagnosed OPEN cows" and a "Day of Week for Start of program" dropdown menu. At the bottom right, there are buttons for "Clear Changes this Protocol" and "Delete this Protocol". A "Close" button is located at the bottom right of the window.

Management Options

Days to Prep | Index Barn | Info panel | ME 2X 3X | **Timed AI**

User Defined Timed AI Protocols Help

Veterinary supervision is required for extra-label drug use.

You may use one of these Timed AI Protocols as a model:

POS | ReSync | CIDRCS | unnamed | unnamed | unnamed

Name Description Use 14 day intervals to schedule start dates (default is weekly)

Minimum DIM to breed cows

This name will be associated with the cows enrolled in this protocol. Minimum Age (days) to breed heifers

PreSync Setups Start of program Breed Event

Heifer Age >

Cow DIM >

Events

days to next

Do not schedule setups for diagnosed OPEN cows

Day of Week for Start of program

Clear Changes this Protocol Delete this Protocol

Close

--Name Protocol from **drop down menu** (note name of protocol) and at **#2**

Management Options

Days to Prep | Index Barn | Info panel | ME 2X 3X | Timed AI

User Defined Timed AI Protocols

You may use one of these Timed AI Protocols as a model:

Veterinary supervision is required for extra-label drug use.

Std Protocol 6:Re-synch

unnamed | unnamed | unnamed | unnamed | unnamed | unnamed

Name: **RES** Description: Re-synch

#2

This name will be associated with the cows enrolled in this protocol.

Use 14 day intervals to schedule start dates (default is weekly)

75 Minimum DIM to breed cows

410 Minimum Age (days) to breed heifers

PreSync Setups		Start of program		Breed Event	
Heifer Age >	400	407	409	410	
Cow DIM >	65 MON	72 MON	74 WED	75 THU	
Events	<input type="text"/>	GnRH	PGH	GnRH	Breed
days to next	<input type="text"/>	7	2	<input type="text"/>	1

Do not schedule setups for diagnosed OPEN cows

MON Day of Week for Start of program

- Select "Minimum DIM to breed cows" (for breed event)
- Select "Day of week for start of program"

Management Options

Days to Prep | Index Barn | Info panel | ME 2X 3X | Timed AI

User Defined Timed AI Protocols

You may use one of these Timed AI Protocols as a model:
Std Protocol 6:Re-synch

Veterinary supervision is required for extra-label drug use.

unnamed | unnamed | unnamed | unnamed | unnamed | unnamed

Use 14 day intervals to schedule start dates (default is weekly)

Name	Description	Minimum DIM to breed cows	Minimum Age (days) to breed heifers
[RES] #2	Re-synch	75	410

This name will be associated with the cows enrolled in this protocol.

PreSync Setups		Start of program		Breed Event	
Heifer Age >	400	407	409	410	410
Cow DIM >	65 MON	72 MON	74 WED	75 THU	75 THU
Events	[]	[GnRH]	[PGH]	[GnRH]	[Breed]
days to next	[]	[7]	[2]	[]	[1]

Do not schedule setups for diagnosed OPEN cows

Day of Week for Start of program: MON

--Apply changes
--Close

Management Options

Days to Prep | Index Barn | Info panel | ME 2X 3X | Timed AI

User Defined Timed AI Protocols

You may use one of these Timed AI Protocols as a model:
Std Protocol 6:Re-synch

Veterinary supervision is required for extra-label drug use.

unnamed | unnamed | unnamed | unnamed | unnamed | unnamed

Name: RES #2 Description: Re-synch

Minimum DIM to breed cows: 75

Minimum Age (days) to breed heifers: 410

Use 14 day intervals to schedule start dates (default is weekly)

PreSync Setups			Start of program		Breed Event	
Heifer Age >	400	407	409	410		
Cow DIM >	65 MON	72 MON	74 WED	75 THU		
Events	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
days to next	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Do not schedule setups for diagnosed OPEN cows

Day of Week for Start of program: MON

Now you will be able to enroll open cows back
into the program!

- How do you enroll open cows?

Choose the **Input Desk**

The screenshot displays the PCDART software interface. The title bar reads "43090006 - UNIV. OF MO FOREMOST DAIRY - Test Date: 1/7/2008". The menu bar includes "File", "View", "Analysis", "Input Desk", "Tasks", "Set", "Report", "Printer Setup", "Tips", and "Help". The "Input Desk" menu item is highlighted with a red square. Below the menu bar is a toolbar with various icons, including a "Quick Entry" button. The main window is divided into two panes. The left pane, titled "Sets and Reports - Be sure Reference Date is correct", contains a tree view with the following items: ">Standard Reports", ">User Reports", "Frequently Used", "Genetics and Heifers", "Health and Event Management", "Herd Activity and Status", "Milk Production and Udder Health", "Reproductive Management" (highlighted in blue), and "Tuesday". The right pane, titled "Reproductive Management", contains buttons for "Edit Set", "Rename Set", and "Delete Set", a checkbox for "No Page Breaks", and a "List Report Titles in Set" button. The status bar at the bottom left shows "PCDART Current: Cw 103".

Use the **“Select Animal(s) Before Showing Input Form”** and then the **“Timed AI”**

43090006 - UNIV. OF MO FOREMOST DAIRY - Test Date: 1/7/2008

Input Desk Entry Method: Enter Animal Number(Name on Input Form) **Select Animal(s) Before Showing Input Form** Date being Reported: 1/21/2008 Close

Individual Animal Procedures Cow Heif All

Calved Heat **Timed AI** Bred Vet / Repro Check Dried Left Protocol Enrollment Chore Done Group Number User Defined Fields

Health Conditions Into Sick Herd Out of Sick Herd Sort Gate New Cow New Heifer New Bull ID Transponder RFID Heifer Growth Turned w Bull

Bd Wt, Lct#, Dt Ent Birth Type BST Body Condition Change ID Change Index Embryo Transfer Estimated Bred Date Prostaglandin Sugg'd Service Sires Temp-Group Number Modify Grower/Export

Herd Procedures

Assign Titles for U.D.Fields Blank a U.D.Field - all animals Zero Temp-Group # - all Exch Grp#/Temp-Grp# - all Move Batch to Group Assign Health Condition ID Bull File Functions Review Input

CalvedTimedAI (No chain) (No chain) (No chain) (No chain) (No chain)

Define Chain Events

Choose the “Pick List” Option

The screenshot shows a software window titled "Provide Index (you may supply more than one)". The window has two tabs: "Pick List" (which is selected and highlighted with a red box) and "Key Entry". The main area of the window contains a grid of text with four columns of IDs. The first column lists cow IDs (Cw) from 59 to 265. The second column lists cow IDs from 266 to 340. The third column lists heifer IDs (Hf) from 341 to 381. The fourth column lists heifer IDs from 382 to 420. On the right side of the window, there is a sidebar with several buttons: "Apply Individually", "Select by Group or Temp-Group", "Cow", "Heif", "All", and "Close".

Cow ID	Cow ID	Heifer ID	Heifer ID
Cw 59	Cw 266	Cw 341	Hf 382
Cw 94	Cw 268	Cw 342	Hf 385
Cw 103	Cw 269	Cw 343	Hf 386
Cw 109	Cw 270	Hf 295	Hf 387
Cw 110	Cw 273	Hf 319	Hf 388
Cw 118	Cw 276	Hf 330	Hf 389
Cw 131	Cw 280	Hf 334	Hf 390
Cw 139	Cw 286	Hf 335	Hf 392
Cw 140	Cw 287	Hf 344	Hf 393
Cw 163	Cw 288	Hf 345	Hf 394
Cw 168	Cw 289	Hf 346	Hf 395
Cw 178	Cw 290	Hf 347	Hf 396
Cw 187	Cw 292	Hf 348	Hf 397
Cw 190	Cw 294	Hf 349	Hf 399
Cw 197	Cw 296	Hf 350	Hf 400
Cw 207	Cw 297	Hf 351	Hf 401
Cw 210	Cw 299	Hf 352	Hf 402
Cw 212	Cw 301	Hf 353	Hf 403
Cw 214	Cw 304	Hf 354	Hf 404
Cw 215	Cw 305	Hf 355	Hf 405
Cw 216	Cw 307	Hf 356	Hf 406
Cw 217	Cw 308	Hf 357	Hf 407
Cw 218	Cw 309	Hf 358	Hf 408
Cw 221	Cw 310	Hf 359	Hf 409
Cw 223	Cw 311	Hf 360	Hf 410
Cw 224	Cw 312	Hf 361	Hf 411
Cw 225	Cw 313	Hf 362	Hf 412
Cw 226	Cw 314	Hf 363	Hf 413
Cw 229	Cw 315	Hf 364	Hf 414
Cw 230	Cw 317	Hf 365	Hf 415
Cw 233	Cw 320	Hf 366	Hf 416
Cw 235	Cw 322	Hf 367	Hf 417
Cw 236	Cw 323	Hf 368	Hf 418
Cw 237	Cw 324	Hf 369	Hf 419
Cw 239	Cw 325	Hf 370	Hf 420
Cw 243	Cw 326	Hf 371	
Cw 245	Cw 327	Hf 372	
Cw 246	Cw 328	Hf 373	
Cw 247	Cw 329	Hf 374	
Cw 249	Cw 331	Hf 375	
Cw 250	Cw 332	Hf 376	
Cw 255	Cw 333	Hf 377	
Cw 261	Cw 337	Hf 378	
Cw 262	Cw 338	Hf 379	
Cw 264	Cw 339	Hf 380	
Cw 265	Cw 340	Hf 381	

Click all the open cows that need to be re-enrolled and then choose “Apply to All”

Timed AI: Provide Index (you may supply more than one)			
Pick List		Key Entry	
Cw 59	Cw 266	Cw 341	Hf 382
Cw 94	Cw 268	Cw 342	Hf 385
Cw 103	Cw 269	Cw 343	Hf 386
Cw 109	Cw 270	Hf 295	Hf 387
Cw 110	Cw 273	Hf 319	Hf 388
Cw 118	Cw 276	Hf 330	Hf 389
Cw 131	Cw 280	Hf 334	Hf 390
Cw 139	Cw 286	Hf 335	Hf 392
Cw 140	Cw 287	Hf 344	Hf 393
Cw 163	Cw 288	Hf 345	Hf 394
Cw 168	Cw 289	Hf 346	Hf 395
Cw 178	Cw 290	Hf 347	Hf 396
Cw 187	Cw 292	Hf 348	Hf 397
Cw 190	Cw 294	Hf 349	Hf 399
Cw 197	Cw 296	Hf 350	Hf 400
Cw 207	Cw 297	Hf 351	Hf 401
Cw 210	Cw 299	Hf 352	Hf 402
Cw 212	Cw 301	Hf 353	Hf 403
Cw 214	Cw 304	Hf 354	Hf 404
Cw 215	Cw 305	Hf 355	Hf 405
Cw 216	Cw 307	Hf 356	Hf 406
Cw 217	Cw 308	Hf 357	Hf 407
Cw 218	Cw 309	Hf 358	Hf 408
Cw 221	Cw 310	Hf 359	Hf 409
Cw 223	Cw 311	Hf 360	Hf 410
Cw 224	Cw 312	Hf 361	Hf 411
Cw 225	Cw 313	Hf 362	Hf 412
Cw 226	Cw 314	Hf 363	Hf 413
Cw 229	Cw 315	Hf 364	Hf 414
Cw 230	Cw 317	Hf 365	Hf 415
Cw 233	Cw 320	Hf 366	Hf 416
Cw 235	Cw 322	Hf 367	Hf 417
Cw 236	Cw 323	Hf 368	Hf 418
Cw 237	Cw 324	Hf 369	Hf 419
Cw 239	Cw 325	Hf 370	Hf 420
Cw 243	Cw 326	Hf 371	
Cw 245	Cw 327	Hf 372	
Cw 246	Cw 328	Hf 373	
Cw 247	Cw 329	Hf 374	
Cw 249	Cw 331	Hf 375	
Cw 250	Cw 332	Hf 376	
Cw 255	Cw 333	Hf 377	
Cw 261	Cw 337	Hf 378	
Cw 262	Cw 338	Hf 379	
Cw 264	Cw 339	Hf 380	
Cw 265	Cw 340	Hf 381	

Choose “S” for Start her on TAI and the **date** you want to start followed by the **TAI Protocol**

Enter data

Cw 59 (59) **Timed A. I. (P8)**

TAI Action: S S Start her on TAI X Exclude her from TAI
 Z Zero the start date R Remove exclusion

If bred, do not warn

TAI Reference Date
 She will be started on TAI as soon as possible on or after this date:

Available TAI protocols:

DIM	279	286	288	289
	GnRH	PGH	GnRH	Breed
	11/03/08	11/10/08	11/12/08	11/13/08
	start			breed
	MON			


Calv: 1/30/2008 Bred: 1 6/13/2008 DaysSinceBred: 139
 DIM: 274 Milk: 33.0 Repro: N
 Lct#: 10 Grp 0

De-select All selected animals.

Choose “Done” and PC Dart will apply the resynch to all the chosen cows

Enter data

Cw 59 (59) **Timed A. I. (P8)**

TAI Action **S**  S Start her on TAI X Exclude her from TAI
Z Zero the start date R Remove exclusion

If bred, do not warn

TAI Reference Date She will be started on TAI as soon as possible on or after this date:

Available TAI protocols

DIM	279	286	288	289
	GnRH	PGH	GnRH	Breed
	11/03/08	11/10/08	11/12/08	11/13/08
	start			breed
	MON			

Calv: 1/30/2008 Bred: 1 6/13/2008 DaysSinceBred: 139 F2-Cow Page
DIM: 274 Milk: 33.0 Repro: N F6-View Input
Lct#: 10 Grp 0