

Chapter 3

Creating Presynch/Ovsynch Program in PC Dart

Instructions

- The following slides will lead you through setting up a presynch/ovsynch program

Presynch/Ovsynch

--Click on "File"

File

The screenshot shows the PCDART software interface. At the top, the window title is "43090006 - UNIV. OF MO FOREMOST DAIRY - Test Date: 12/20/2007". The menu bar includes File, View, Analysis, Input Desk, Tasks, Print, Tips, and Help. Below the menu bar, there are buttons for "Quick Entry" and "?". The main area is divided into two sections: "Action Lists" on the left and "Herd Statistics Today:" on the right. The "Action Lists" section has tabs for "Heat in 7", "Due in 7", and "Dry in 7". The table below has columns for NextExpHeat, AniType, BarnName, Grp, DIM, and TmsBrd. The "Herd Statistics Today:" section is highlighted in cyan and shows counts for Cows, Heifers, and Bulls.

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

Herd Statistics Today:

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

- Total: 3

PCDART Current: Cw 103

Choose “Management Options”

The screenshot shows 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. A dropdown menu is open, with "Management Options..." highlighted in blue and circled in red. Other menu items include "Protocols...", "Program Setup...", "Config...", "Herd Download Setup...", "Printer Setup...", "Scheduled Items...", "Backup", "Restore", and "Exit".

The main window displays "Action Lists" with a table of data. The table has columns for BarnName, Grp, DIM, and TmsBrd. The data is 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

- 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", an AOL Search bar, and the system clock showing "3:49 PM 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 window is titled "User Defined Timed AI Protocols" with 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 three tabs: "POS", "ReSync", and "CIDRCS", followed by three "unnamed" tabs. The main content area contains a table with columns for "Name", "Description", and "Use 14 day intervals to schedule start dates (default is weekly)". The first row has a name field containing "#4" and a description field containing "Minimum DIM to breed cows". 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 eight "Events" fields, each with a "days to next" field below it. There is also a "Day of Week for Start of program" field with a dropdown arrow. At the bottom right, there are two buttons: "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)

#4 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 and at #1

Management Options

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

User Defined Timed AI Protocols Help

You may use one of these Timed AI Protocols as a model:
Std Protocol 3:Pre-synch

Veterinary supervision is required for extra-label drug use.

POS | ReSync | CIDRCS | unnamed | unnamed | unnamed

Name: POS **#1** Description: Pre-synch

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

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 >	372 386	400	407	409	410
Cow DIM >	37 TUE 51 TUE	65 TUE	72 TUE	74 THU	75 FRI
Events	PGH-1 PGH-2	GnRH-1	PGH	GnRH-2	Breed
days to next	14 14		7	2	1

Do not schedule setups for diagnosed OPEN cows

TUE Day of Week for Start of program

Clear Changes this Protocol Delete this Protocol

Clear All Changes Apply Changes Close

--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:

Veterinary supervision is required for extra-label drug use.

POS | ReSync | CIDRCS | unnamed | unnamed | unnamed

Name: POS #1 Description: Pre-synch Use 14 day intervals to schedule start dates (default is weekly)

Minimum DIM to breed cows

Minimum Age (days) to breed heifers

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

PreSync Setups		Start of program		
Heifer Age >	372 386	400	407	409
Cow DIM >	37 TUE 51 TUE	65 TUE	72 TUE	74 THU
Events	PGH-1 PGH-2	GnRH-1	PGH	GnRH-2
days to next	14 14	7	2	1

Do not schedule setups for diagnosed OPEN cows

Day of Week for Start of program

--Apply changes

--Close

Management Options

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

User Defined Timed AI Protocols

Help

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

Veterinary supervision is required for extra-label drug use.

Std Protocol 3:Pre-synch

POS | ReSync | CIDRCS | unnamed | unnamed | unnamed

Name: POS #1 Description: Pre-synch

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

Minimum DIM to breed cows: 75

Minimum Age (days) to breed heifers: 410

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

	PreSync Setups		Start of program			Breed Event
Heifer Age >	372	386	400	407	409	410
Cow DIM >	37 TUE	51 TUE	65 TUE	72 TUE	74 THU	75 FRI
Events	PGH-1	PGH-2	GnRH-1	PGH	GnRH-2	Breed
days to next	14	14		7	2	1

Do not schedule setups for diagnosed OPEN cows

Day of Week for Start of program: TUE

Clear Changes this Protocol Delete this Protocol

Clear All Changes Apply Changes Close

Click on "RPT"

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

File View Analysis Input Desk Tasks Print Tips Help

Ref Date: 1/ 7/2008 Input Filter: Cow Heif All

Quick Entry ? Overview

PCDART

Test Day Statistics

Action Lists Run Set "Overview"

Heat in 7 | Due in 7 | Dry in 7

NextExpHeat	AniType	BarnName	Grp	DIM	TmsBrd
Jan 07	C	656	2	144	2
Jan 07	C	2039	1	476	12
Jan 07	H	2203	0	0	1
Jan 07	H	2244	0	0	1
Jan 08	H	2199	0	0	1
Jan 09	H	J-002	0	0	6
Jan 09	H	2179	0	0	3
Jan 09	H	2217	0	0	1
Jan 09	H	2220	0	0	1
Jan 09	H	2229	0	0	1
Jan 09	H	2232	0	0	1
Jan 09	H	2242	0	0	1
Jan 09	H	2245	0	0	1
Jan 10	C	2118	1	362	8
Jan 10	H	G-378	0	0	1
Jan 10	H	2249	0	0	1
Jan 10	H	2253	0	0	1
Jan 11	C	654	2	285	3
Jan 11	C	887	3	259	3
Jan 11	C	966	4	83	1
Jan 11	C	983	4	83	1
Jan 11	C	2099	1	306	5
Jan 11	C	2131	1	123	2
Jan 11	C	2982	4	82	1

Herd Statistics Today:

Cows

Total:	201
In Milk:	170
Dry:	31
Open:	56
Bred:	65
Pregnant:	80
Heat in 7 days:	10
Due in 7 days:	5
Dry in 7 days:	2

Heifers

Total:	255
Bred:	45
Pregnant:	73
Heat in 7 days:	18
Due in 7 days:	0

Bulls

Total:	3
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PCDART Current: Cw 103

Click on Reproductive Management

The screenshot shows a software window titled "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 toolbar contains icons for various functions, a "Ref Date: 1/7/2008" dropdown, and an "Input Filter: Cow Heif All" dropdown. A "Quick Entry ?" button is also present. Below the toolbar is a row of buttons: Preview, Print, PDF, Edit, New, Grid View / CSV, New Set, Print Rpts in Set, Run Set for Tmp Grp, and Close Sets. The main interface is split 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, Health and Event Management, Herd Activity and Status, Milk Production and Udder Health, Reproductive Management (highlighted with a red arrow), 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".

Choose **report 134** (Timed AI—Eligible for enrollment) and be sure to mark the **POS (Pre-synch)** selection

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 toolbar contains icons for various functions and 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", shows a tree view of report categories. Under "Reproductive Management", report "134 Timed AI - Eligible for Enrollment" is highlighted with a red box. The right pane, titled "Report 134 in Reproductive Management", shows configuration options. The "Choose a User Defined Timed AI Protocol" section has "1: POS (Pre-synch)" selected with a green box. Other options include "2: POS (Pre-synch)" and "3: CIDRCS (CIDR COSYNCH)". Below this, there are fields for "Control", "Min", "Max", and "Assign Tmp Group #". The "Limit # Cows" section has a field and radio buttons for "by Highest DIM", "by List Order", and "by Lowest DIM". The "Which" section has radio buttons for "Cows Only" and "Heifers Only". The "Sort (Default is by Index)" section has radio buttons for "Index" and "BarnName". The status bar at the bottom left shows "PCDART Current: Cw 103".

The Report will look somewhat like that below (return to previous window in PC Dart)

Report Preview : Ref: 1/26/2008

G	Index	Cows	Reproduc	Tue
r	Name	DIM	Date	cd
4	917	32		PGH-1
4	975	47		PGH-1
1	G-330	51		PGH-1
4	2056	44		PGH-1
4	2062	37		PGH-1
4	2098	43		PGH-1
4	2136	38		PGH-1
5	2166	36		PGH-1
4	2400	34		PGH-1
4	2401	37		PGH-1

10 Cows

These cows will be receiving the first injection of prostaglandin of the presynch program.

0% Page

Choose **report 134** (Timed AI—Eligible for enrollment) and be sure to mark the **POS (Pre-synch)** selection

The screenshot displays the PCDART software interface for a farm named 'UNIV. OF MO FOREMOST DAIRY'. The window title is '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 toolbar contains various icons and a 'Quick Entry' button. The main area is divided into two panes. The left pane, titled 'Sets and Reports - Be sure Reference Date is correct', shows a tree view of reports. The 'Reproductive Management' folder is expanded, and '134 Timed AI - Eligible for Enrollment' is highlighted with a red box. The right pane, titled 'Report 134 in Reproductive Management', contains configuration options. The 'Orientation' section has 'Portrait' selected. The 'Paper Size' section has 'Letter' selected. The 'Choose a User-Defined Timed AI Protocol' section has '1: POS (Pre-synch)' selected, highlighted with a green box. Below this, there are fields for 'Control', 'Min', 'Max', and 'Assign Tmp Group #'. The 'Limit # Cows' section has a field for the number of cows and radio buttons for 'by Highest DIM', 'by List Order', and 'by Lowest DIM'. The 'Which' section has radio buttons for 'Cows Only' and 'Heifers Only'. The 'Sort (Default is by Index)' section has radio buttons for 'Index' and 'BarnName'. The status bar at the bottom shows 'PCDART Current: Cw 103'.

Select a “Assign Tmp Group #”
(98 for example) and then choose report “134.” This will generate a report so PC Dart know which cows are in temp group 98.

The screenshot shows 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 toolbar contains icons for various functions and a "Ref Date: 1/26/2008" dropdown. The main window is divided into two panes. The left pane, titled "Sets and Reports - Be sure Reference Date is correct", shows a tree view of reports. The report "134 Timed AI - Eligible for Enrollment" is highlighted with a green box. The right pane, titled "Report 134 in Reproductive Management", contains configuration options. The "Assign Tmp Group #" field is highlighted with a blue box and contains the value "98". Other options include Orientation (Portrait/Landscape), Paper Size (Letter/Legal), and sorting options (by List Order, by Highest DIM, by Lowest DIM).

PCDART Current: Cw 103

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 box. 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", 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	Health Conditions	Bd Wt, Lct#, Dt Ent
Heat	Into Sick Herd	Birth Type
Timed AI	Out of Sick Herd	BST
Bred	Sort Gate	Body Condition
Vet / Repro Check	New Cow	Change ID
Dried	New Heifer	Change Index
Left	New Bull	Embryo Transfer
Protocol Enrollment	ID Transponder	Estimated Bred Date
Chore Done	RFID	Prostaglandin
Group Number	Heifer Growth	Sugg'd Service Sires
User Defined Fields	Turned w Bull	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

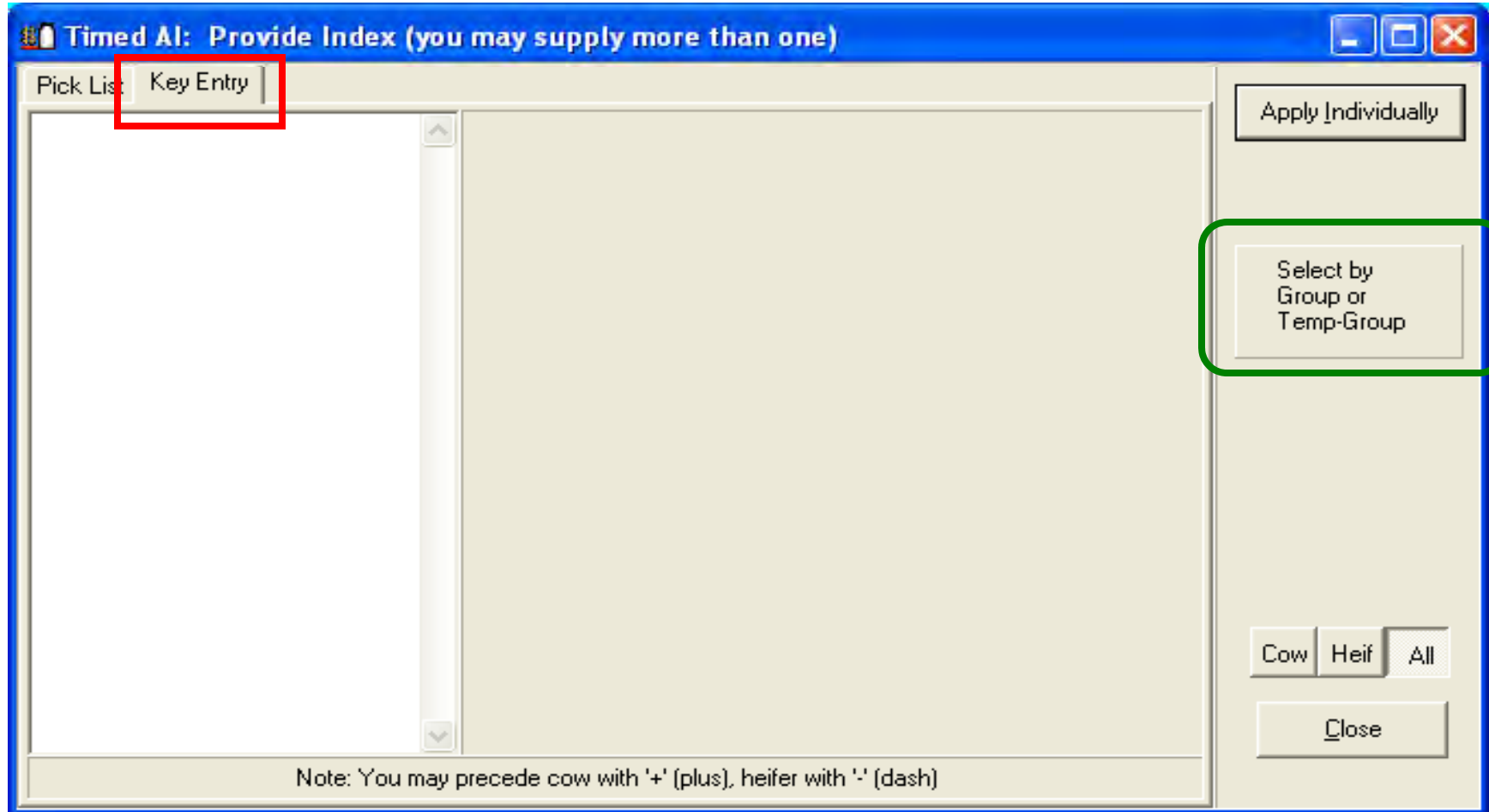
Bull File Functions

Review Input

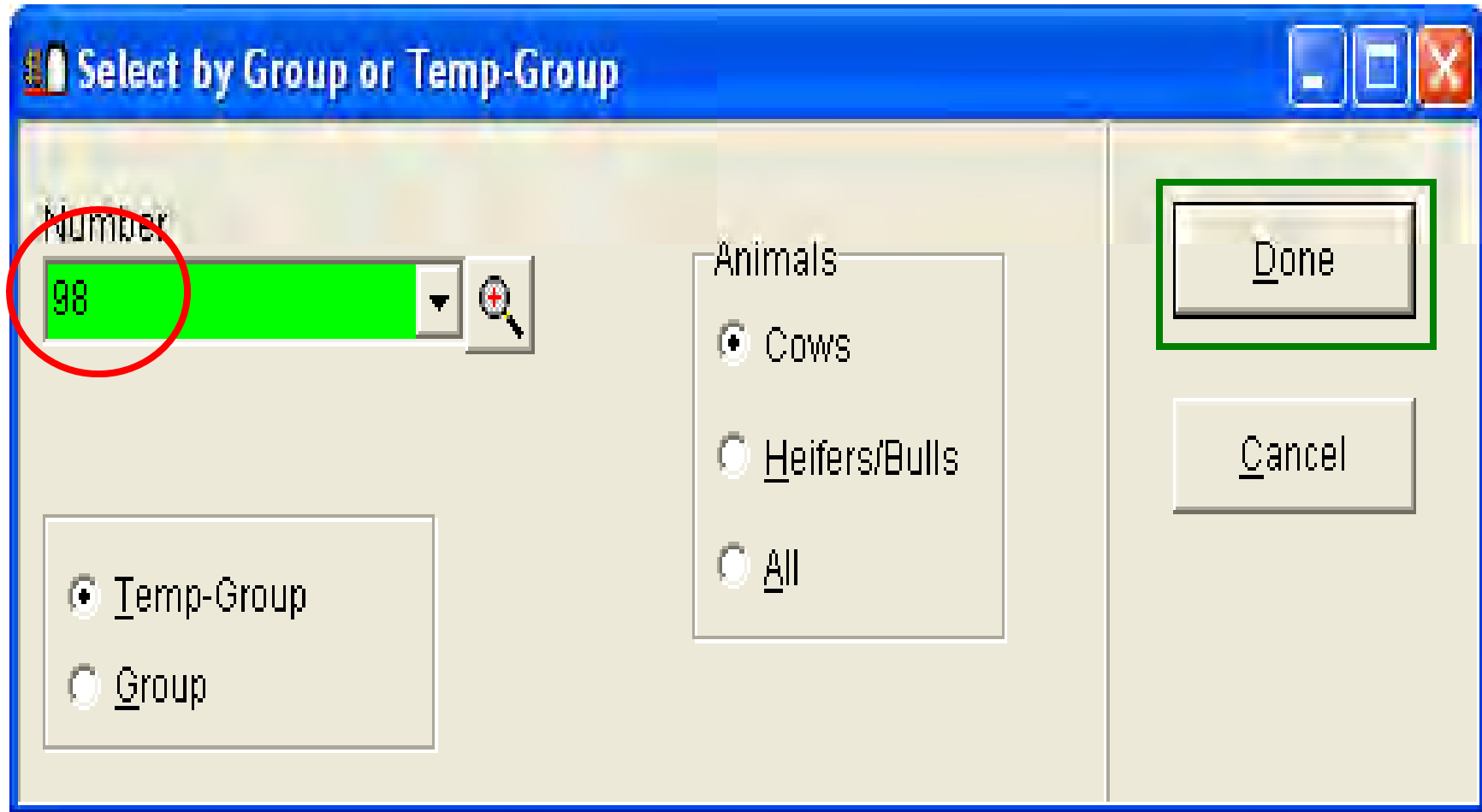
CalvedTimedAI (No chain) (No chain) (No chain) (No chain) (No chain)

Define Chain Events

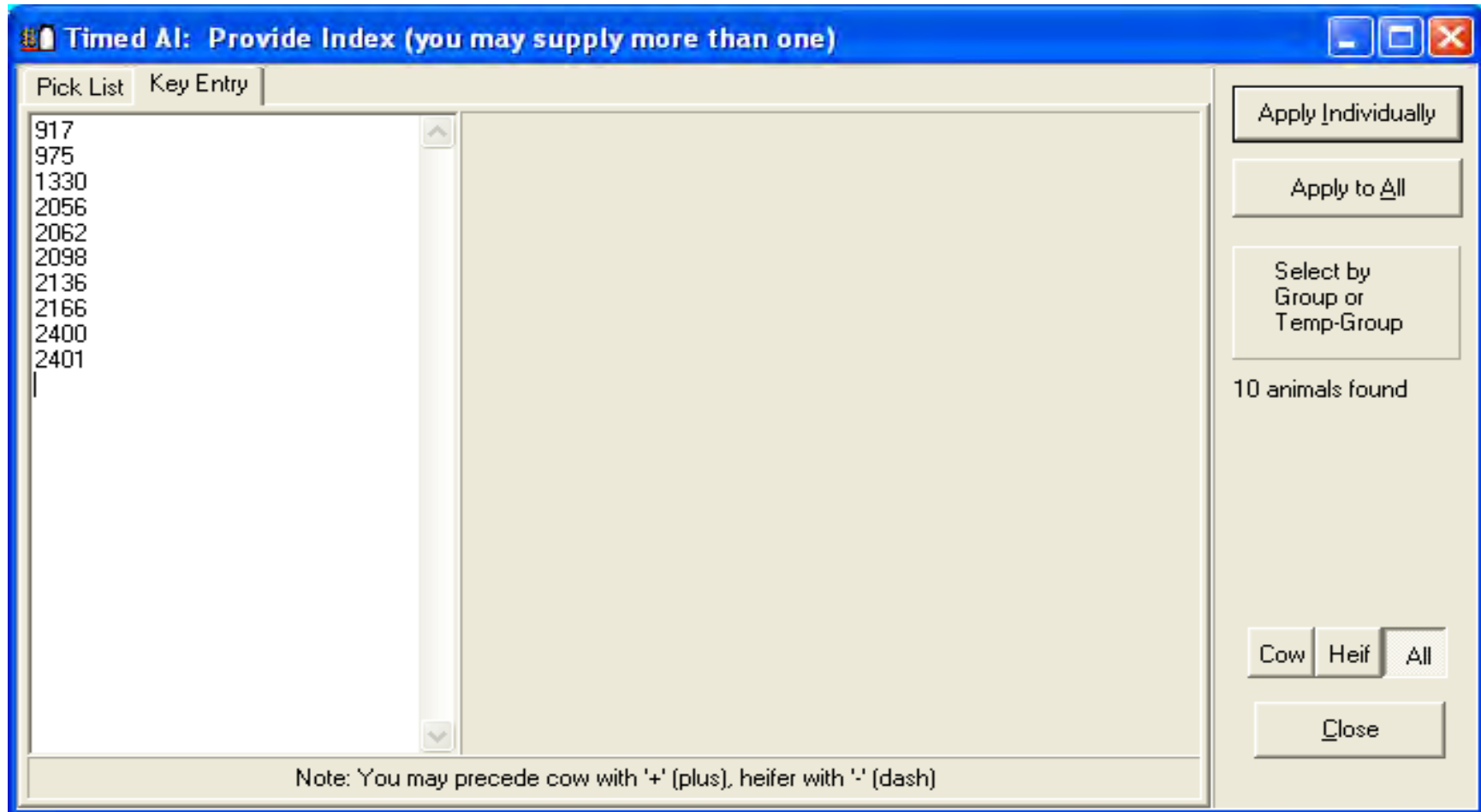
Choose the “Key Entry” Option and “Select by Group or Temp-Group”



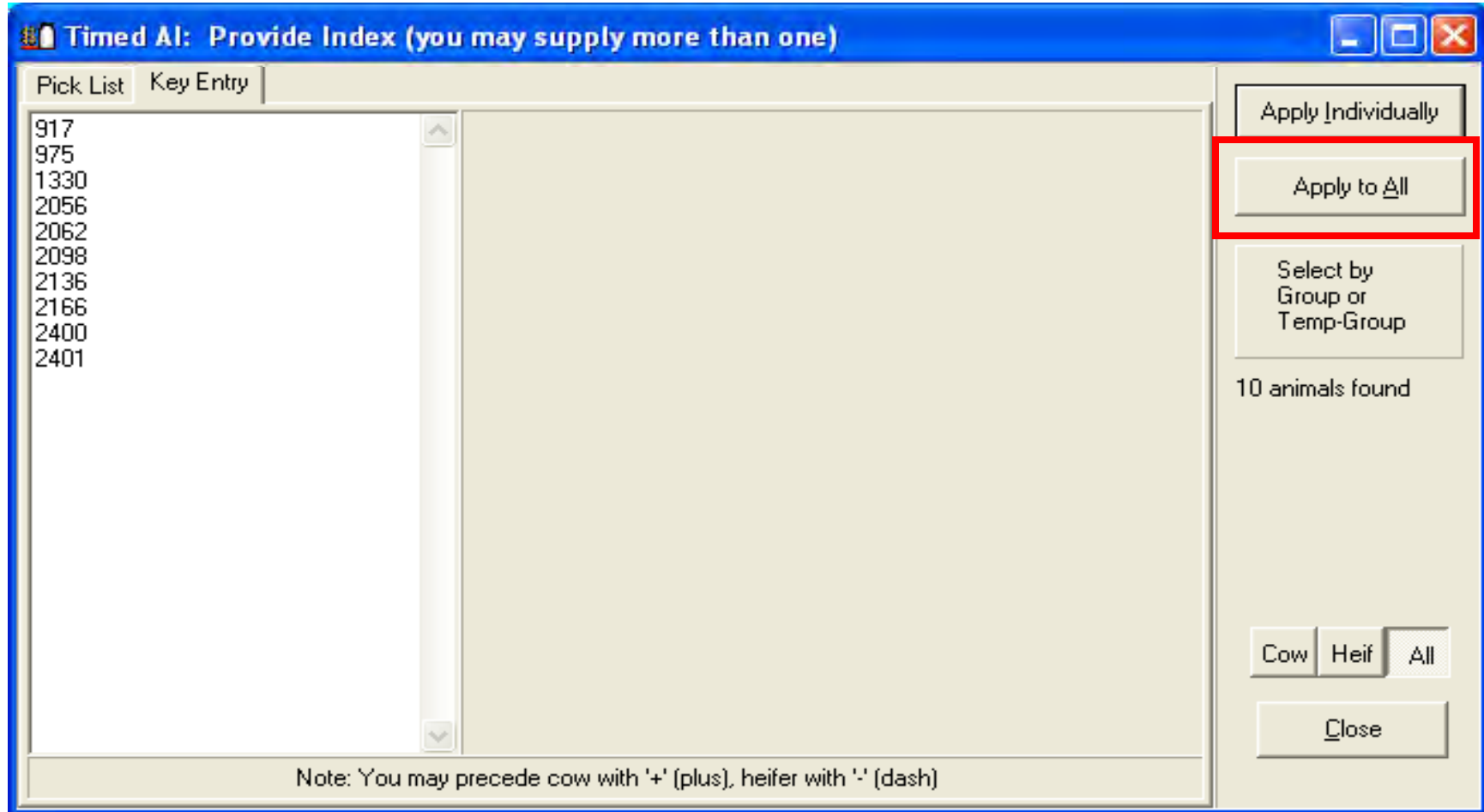
Enter your Tmp Group # (**98**)
and then **Done**



The selection will be similar to the screen below



Now you want to “Apply to all”



Choose “S Start her on TAI”

Choose the “TAI Reference Date”

Enter data

Cw 917 (917) **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
1/26/2008 She will be started on TAI as soon as possible on or after this date:

Available TAI protocols: 1: POS (Pre-synch)

DIM	35	49	63	70	72	73
	PGH-1	PGH-2	GnRH-1	PGH	GnRH-2	Breed
	01/29/08	02/12/08	02/26/08	03/04/08	03/06/08	03/07/08
			start			breed
			TUE			

Calv: 12/26/2007
DIM: 32 Milk: 112.8 Repro:
Lct#: 4 Grp 4

De-select All selected animals.

Choose from the “Available TAI protocols” and then “Done”

Enter data

Cw 917 (917) **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

TAI Reference Date If bred, do not warn
 She will be started on TAI as soon as possible on or after this date:

Available TAI protocols

DIM	35	49	63	70	72	73
	PGH-1	PGH-2	GnRH-1	PGH	GnRH-2	Breed
	01/29/08	02/12/08	02/26/08	03/04/08	03/06/08	03/07/08
			start			breed
			TUE			

Calv: 12/26/2007
DIM: 32 Milk: 112.8 Repro:
Lct#: 4 Grp 4

De-select All selected animals.

PC Dart will then apply the protocol to all the cows in temp group 98

