

# MIM - PDA

Mobile Information Management using PDAs (Personal Digital Assistants)



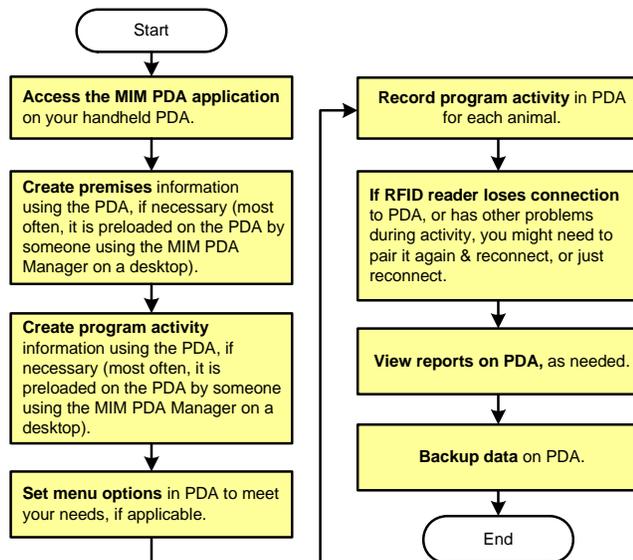
## A Field User's Guide to the Animal Vaccination, Test, and Inventory Application

**Purpose:** This job aid provides a quick reference guide for users of the MIM PDA application who are in the field, performing the activities listed in Section #4.

**Scope:** The main focus is on the PDA user interface functionality; a high level process flow diagram conveys the main steps involved in the MIM PDA process, as it relates to field users. The application installation, MIM PDA Manager functionality, database & Web Service components of MIM PDA, as well as the Id tag acquisition process, are not part of this job aid. The information provided supports software version 8.8.0.

Refer to the *MIM Wiki* for additional information: <https://cowebapps02.aphis.usda.gov/mimWiki/>

### SECTION #1 – PROCESS FLOW DIAGRAM



### SECTION #2 – LOGIN TO APPLICATION

On PDA:

- Enter password (scan barcode, or enter manually).
- Tap on: **Start > MIM PDA.**



After you login, a screen will appear that displays links to all loaded premises and associated activities, animal records, and menu options.

### SECTION #3 – CREATE PREMISES INFORMATION

Perform these steps ONLY if the premises does not already exist.

Tap on premises > **New**.

Enter at least one of the following by tapping in the appropriate field, entering an Id, and tapping on **OK**:

- **NAIS PIN:** National Animal Identification System Premises Identification Number.
- **State/Other PIN:** State Premises Identification Number, or another premises identification number.
- **Premises Name/Description:** Familiar name or type of premises.
- **Latitude & Longitude:** Geographic coordinates of a premises (enter manually, or via an integrated GPS device).

**Save** Click, to retain information entered.

**OK** Click, to continue.

### SECTION #4 – CREATE ACTIVITY INFORMATION

Perform these steps ONLY if activities do not already exist.

Tap on Program Activity > **New**.

- **Species:** *Bovine* is the default; change if necessary.
- **Next Sequence:** Displays sequence # for next animal in the activity. If the activity is testing, this number must match the number on the blood specimen tube.
- **Program Activity 1 & 2:** Select appropriate activity. The activities, as they relate to Brucellosis, include *Official Calvhooed Brucellosis Vaccination (OCV)*, *Adult Brucellosis Vaccination (AV)*, *Brucellosis Test (BRT)*, and *Inventory Collection (INV)*. The activities, as they relate to TB, include *Caudal Fold*, *CT Cervical - Bovine*, *Single Cervical - Cervidae (CFT-CT, CST)*, *Comparative Cervical (CCT)*, *Gamma Interferon (GAM)*, and *Inventory Collection (INV)*.
- **Program Activity 1 & 2 Start Date:** Default is the current date and time; change if necessary.

**Save** Click, to retain information entered.

**OK** Click, to continue.

## SECTION #5 – SET MENU OPTIONS

The PDA can be configured to better meet your needs through two menu option buttons located on two different screens.

### First Screen

Premises  
CO599  
CROOKED CREEK RANCH  
5933 COUNTY ROAD 12  
FORT COLLINS CO 80524  
33.14359/-102.50634

Program Activities  
BRT Start 06/19 (Show)  
AV Start 06/19 (Show)

Record / View Animals

App Version: 8.6.1  
Lib Version: 8.6.1

Quit

The main PDA screen is the first screen to provide a menu button. Click on *Menu* to access the options (see example shown to the left for location). The options it provides are shown in the following table.

### Menu options from main PDA screen

Reader Port >	COM1 thru 10	
Scan Notify >	Audio >	On/Off
	Vibrate >	Off/Port 1-5
Settings >	Tb Minimum Age >	16mos, 12mos, All ages
	Tb Automation >	Automatic Negative
		Auto Save/Close on Read
	General Automation >	Repeat Last Age, Repeat Last Sex, Repeat Last Breed, Prompt to add new animals
Requirements >	Disallow Adult Age, Require RFID /AIN, Disallow ZZ/XX Breed	
Alerts >	Id Tags entered in the space provided are watched for while entering and displaying animals. A notification is displayed if one is found (can delete, edit, & add info).	
Record Destroyed > Tags	Connect to Reader and/or add AIN tags or Metal tags. Can delete information if necessary.	

The main animal Id screen is the second screen to provide a menu button.

### Second Screen

Disconnect Exit

Choose an ID type to search with.

Management Id

USDA Metal

American Id

RFID / AIN

Last Animal P-AN 3Y F  
985...87182

Location (Cnt 156) 1

Next Seq: 160

Click on *Menu* to access the options it provides (see the *Menu* button location shown to the left). The options are shown in the following table.

### Menu Options from animal Id screen

Search All Premises >	If checked, system will search all premises in the database for an animal.	
Disable Location > Count	If checked, the system will not keep count of quantity of animals per location/pen, resulting in a significant speed increase for very large herds (20,000+).	
Reports >	Activity 1 Summary >	Total animal count
	Activity 2 Summary >	Total animal count
	Locations / Pens >	Total animal count per location/pen

## SECTION #6 – RECORD ACTIVITY DATA

**Tap on Start > MIM PDA** to access the main menu.

Verify displayed **premises & associated program activities are correct**. If not, tap on the displayed premises and use the previous & next buttons to locate the correct one. Tap *OK*.

**Record / View Animals**

Tap, to create new animal records for an activity, or to view existing records.

**CONNECT**

Tap, to communicate with the RFID reader.

**Last Animal** – This field displays information about the last animal record entered (animal Id #, age, sex, & breed).

**Location** - This field has two components:

- Current animal count at a location is shown in (parenthesis).
  - Location is shown as underlined. Example: Barn 1
- You must set the location before scanning animals.**

**Next Seq** – This field displays the sequence number for the next animal. If the activity is testing, this number must match the number on the blood specimen tube.

**Scan animal's RFID tag**, or enter other animal identification (*Management Id, Name/Barcode/Other, American Id, or USDA Metal Tag*) by tapping on the appropriate button and entering it, using the keypad provided (not the keyboard icon). The RFID number can also be manually entered.

**Enter animal information** by tapping on the appropriate field

- **Age** Tap on *Months* tab, select a month name – age in months. Tap on *Years* tab, select age in years. Tap on *Est Birth Date* tab, use calendar to select birth date. The selected age is displayed at the bottom of screen. Use the -/+ signs to change the age to younger or older, if necessary. Tap *OK*.

**Note: When performing an OCV and an AV, the age auto-determines type of vaccination.**

*Continued on next page . . .*

- **Sex** Select by tapping on *Male*, *Female*, *Male Castrated*, *Female Spayed*, or *Unknown*. Tap *OK*, and *Save*.
- **Breed** The first 5 blocks are saved for the most common breeds on the premises selected. The next 10 boxes contain abbreviations for common beef cattle, and the last 5 boxes contain abbreviations for common dairy cows.  
Select *Grade/Cross* (unregistered animal) or *Purebred* (registered).

**Toggle Full List**

Tap, to view list of all breeds and the corresponding abbreviation. Select a breed, tap *OK*.

**Tap Save** to record this animal and associated information.

**Scan next animal's RFID tag:** Information from the previous animal scanned is copied over to the next animal (if auto settings are selected); the identification numbers are unique, but other information might be the same; change it if necessary.

**Four buttons** are located at the bottom of each animal record. If you add, delete or modify information while using the buttons, tap on *Save* to retain the changes. The buttons and their functions are shown next.

- MAIN** The MAIN button displays the animal's unique identification, age, sex, breed, as well as type & date of vaccination it received.
- NOTES** The NOTES button provides fields to add remarks about the animal, the reason the animal was added to or absent from the herd, the location of the animal, a sequence number assigned to the animal record, the lab barcode if applicable, and the AIN (840 tag) applied during the activity.
- MORE ID** The MORE ID button provides a space to add a *tattoo Id*, and an *American Id* tag. Any other tag can be entered in the space provided using the *Add Tag* button; however, it will not be searchable. Use the *Delete Selected* button to remove a selected identification.

- TASKS** The TASK button provides the ability to remove a record from test or inventory, or to display the changes that were made to the animal's record. There is also a check box to allow an animal record to be saved without an official Id, if necessary.

## SECTION #7 – VIEW REPORTS

During an activity, you can access reports on the PDA that reflect the current activity status. To access the reports, go to the animal Id screen and tap on *Menu > Reports*.

### Activity 1 Summary

Counts of results for Activity 1.

Result	Count
Injected	9
Total	9

Click on *Injected* or *9*, then click on *View/Edit Animals* to display *Animal Details*. Use the *Previous & Next* buttons to navigate to different animal records. *Edit & Save* record if necessary.

1 of 9 Close

**Animal Details:** [Edit](#)  
 SEQ: 1 985120026285896  
 Age:4Y Brd:AN(P) Sex:F  
 Activity 1 Result: Injected  
 Activity 2 Result:

Previous Next

### Activity 2 Summary

The Activity 2 Summary report functions like the Activity 1 Summary report. The terminology of the reports changes with the activity (e.g. If the activity is a blood test, instead of an *Injected* Result, it will be a *Drawn* Result).

### Locations / Pens

Counts of animals per location/pen.

Location	Count
2	3
1	6
Total	9

Click on *Location 1* or *2* or *Count 3* or *6*, then click on *View/Edit Animals* to display *Animal Details*. Use the *Previous & Next* buttons to navigate to different animal records. *Edit & Save*

1 of 6 Close

**Animal Details:** [Edit](#)  
 SEQ: 1 985120026285896  
 Age:4Y Brd:AN(P) Sex:F  
 Activity 1 Result: Injected  
 Activity 2 Result:

Previous Next

**Note:** You can also view a count of animals associated with a premises from the main PDA screen. Click on the underlined premises, then click on the Count button. Inventory, Assigned, and Identified quantities are displayed. Use the Next & Previous buttons to navigate to other premises.

## SECTION #8 – BACKUP DATA

- Tap on *Start > Sprite Backup > Backup > Next*.
- Change file name using this convention: PDA#\_DairyName\_Test type inject or read (e.g. NMTB01\_DairyOne\_Inject).
- Change location to STORAGE CARD (very important)!
- Tap *Next*, then *Next* again; PDA will begin to backup.

**Note:** PDA will reboot itself; DO NOT cancel backup or turn off PDA until you are back at original start screen.

**Also,** PDA automatically puts a date at end of file. Be sure to backup the same day as the test, if possible. If you backup on a different date, edit the "auto" date to the actual test date.