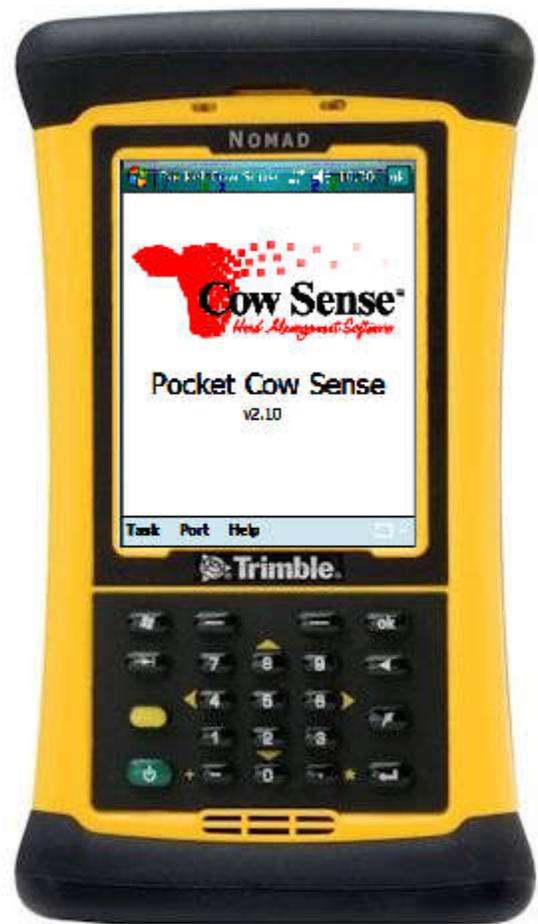


Pocket Cow Sense User's Guide



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POCKET COW SENSE NxGen USER'S GUIDE

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Pocket Cow Sense NxGen User's Guide

Introduction

Pocket Cow Sense is a companion product available with the NxGen version of our herd management software. Pocket Cow Sense makes record keeping fast, accurate and most importantly enjoyable! With Pocket Cow Sense installed on a hand held computer you can conveniently take records to field, pasture or chute. Add or edit records, then update Cow Sense on your main computer for powerful analysis and reporting.

As Pocket Cow Sense is a companion to Cow Sense, a separate license must be purchased and activated. This additional product can either be purchased at the same time as your Cow Sense NxGen program or added at any later time as needed.

Although not a requirement, Pocket Cow Sense is fully EID compatible and gives instant access to information. A Pocket PC equipped with Bluetooth® allows a wireless EID reader to scan EIDs onto calf records or locate existing records with EIDS for calves, cows, and bulls. The Pocket PC can also connect to an electronic scale indicator to drop the weights directly into Pocket Cow Sense! Pocket Cow Sense runs on any Pocket PC with Windows Mobile® operating system.

This User's Guide is intended to help you get the most benefit from Pocket Cow Sense by instructing you on the use of its forms and pointing out special features. It is organized to follow Pocket Cow Sense menus. The Guide presumes that you have basic knowledge of the Pocket PC itself and how it works with your computer. If you are new to Pocket PC, please consult the manufacturer's instructions for use of keyboard, transcriber, backup, Windows Mobile Device Center®, power management, screen settings, applications, and other Pocket PC functions.

Pocket Cow Sense has 2 components. Pocket Cow Sense Desktop is the component that is used to manage all aspects of data flow from your computer to the handheld device and the return of data from the device back into Cow Sense. Whereas the Pocket Cow Sense Handheld component provides the ability to take the information the Desktop provides and use it remotely in the field. Pocket Cow Sense Handheld can be used to reference animal data or record and update animal records then return it to the Desktop to update those records in your Cow Sense NxGen herd File.

This document will first discuss the use of Pocket Cow Sense Desktop (from your desktop or laptop computer) followed by the use of Pocket Cow Sense Handheld (from your Pocket PC). We have also included some Tips and Tricks at the conclusion that many users may find helpful.

Pocket Cow Sense Desktop

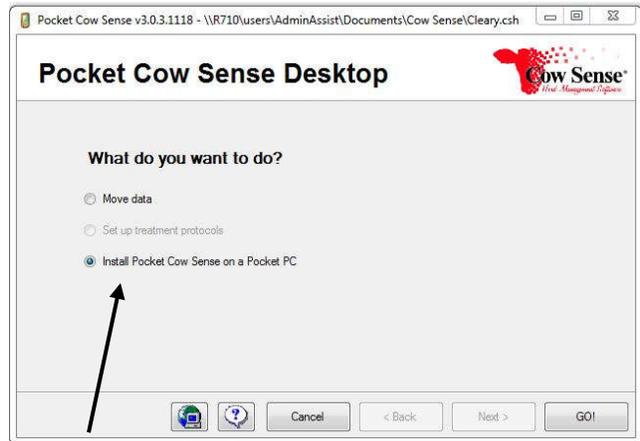
Synchronization and Installation

1. If your computer's operating system is Windows XP you will need to install Active Sync on the computer using the installation CD supplied with your handheld device. If you have Windows Vista, Windows 7, or higher your synchronization settings will be managed through the Windows Mobile Device Center.



2. Connect the Pocket PC to the desktop computer with the Cable or Cradle provided with the device. Refer to the manufacturer's instructions for help on this process.
3. Establish a partnership with the handheld; be sure to allow "File Synchronization" (this step is very important). When establishing or changing the content Sync Settings, choose those items you wish to synchronize between your computer and handheld device, ensure that "Files" is included. If you do not check the file folder to be synchronized, Pocket Cow Sense will NOT work properly.
4. If you are using Windows Vista, Windows 7, or higher User Account Control (UAC) must be turned off or turned down to the lowest setting before you continue, or Pocket Cow Sense may not install correctly to your Pocket PC.
5. Before installing or Updating Pocket Cow Sense onto the handheld, turn on the handheld. From the Start Menu select > Settings > Connections > USB to PC. Confirm that the check box to the left of "Enable advanced network functionality" is toggled off. Uncheck if it is toggled on or Pocket Cow Sense may not install correctly.

6. If you have recently purchased your handheld device from Midwest MicroSystems, FIRST check to verify that PCS has been pre-installed. Launch Pocket Cow Sense Desktop by opening your Cow Sense NxGen software from the icon on your desktop. From the Main Menu on the left, select "Extras" and click on Pocket Cow Sense. If the Extras Menu does not appear on the Task Pane, confirm that you have purchased Pocket Cow Sense and updated your NxGen license. Make sure the device is successfully connected to the computer. The **"What do you want to do?"** window will appear. (Note the "?" icon at the bottom, clicking on that icon will launch an electronic copy of this document.) From the options presented in this window, select "Install Pocket Cow Sense on a Pocket PC". These same steps may be followed if an update is available to Pocket Cow Sense. Click GO! and Windows Installer will guide you through the process. Make sure that the Installation Folder path is pointed to the device's program folder, not your computer's. Click browse if the path does not appear to be correct.



7. Launch Pocket Cow Sense on the handheld, note the registration number, and email (admin@cowsense.com) or phone (402-323-6969) the registration number to MMS to get the Activation Key. (This will not appear if PCS has been pre-installed.)
8. See the following section for step-by-step instructions on how to Move Data from the Desktop to your Handheld PC and from your Handheld PC to your Desktop.

Moving data from the desktop to the handheld:

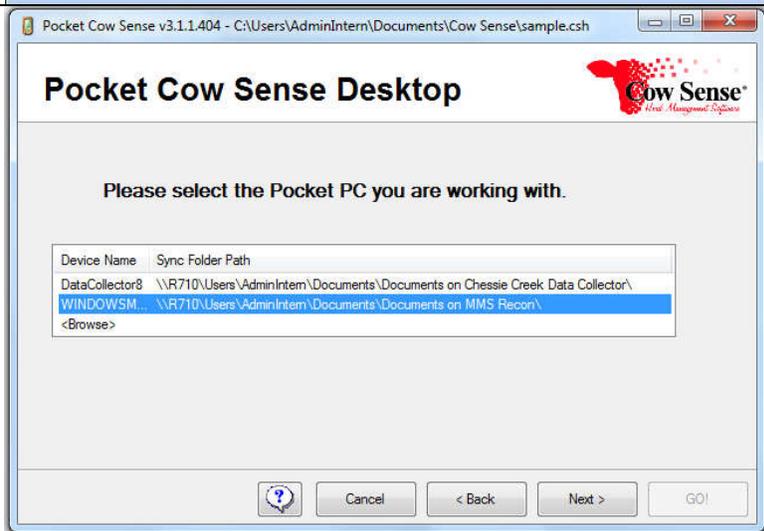
<p>1. Open the Pocket Cow Sense Desktop menu. From the Cow Sense NxGen Side Bar Menu choose Extras > Pocket Cow Sense.</p>	
---	--

<p>2. A “What do you want to do?” window will appear. Choose “Move data” and then “Next”</p>	
<p>3. A “Where is your data coming FROM?” window will appear. Choose “From a Cow Sense herd file” and click “Next”</p>	
<p>4. Confirm you have the right herd file selected to export data from (in this example it is “sample.csh”) and choose “Next”. If you are not pointed to the correct herd file, you may click the “Change Herd” button to select a different herd for your session of Cow Sense Desktop. Once the correct herd file is displayed click “Next”.</p>	

5. A **“Where is your data going TO?”** window will appear. Choose **“To a Pocket PC”** (sync folder) and click **“Next”**



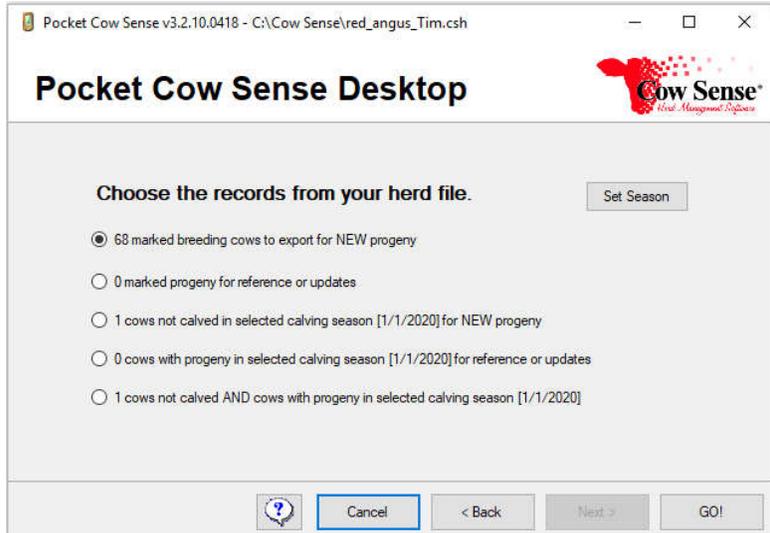
6. A **“Please select the Pocket PC you are working with”** window will appear displaying a Sync Folder Path, which should direct the file to the Pocket PC's Documents folder. If this does not appear to be correct, select **“Browse”**. Choose the correct device to which you intend to export the data and click **“Next”**



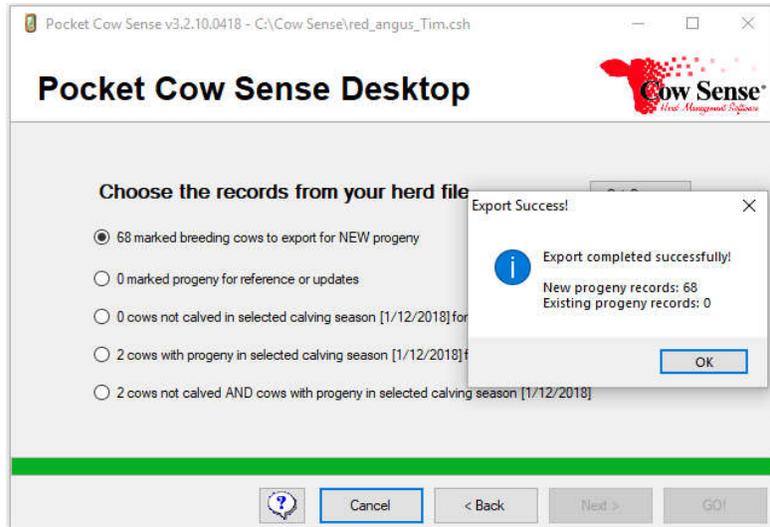
7. A **“What data from Cow Sense do you want to export?”** window will appear, choose the type of data you intend to send to the handheld from the options presented and click **“Next”**. Remember that any data recorded in Pocket Cow Sense may be returned to your herd file. This data will populate the related fields, including the Measures Tab on the Individual Animal View.



8. Depending on what type of data you are exporting to the handheld, you need to verify the number of records you are exporting. **Choose the records to export from your herd file.** Depending on the records you wish to move to the handheld, choices include: **Marked breeding cow records to export for NEW progeny; Marked progeny for reference or updates; cows not calved in selected calving season for NEW progeny; cows with progeny in selected calving season for reference or updates and those cows not calved AND cows with progeny in selected calving.** You may also select a different calving season by choosing the "Set Season" button. Refer to the Animal List Tutorial for more information on creating Marked records. Once you have made your selection click "GO!"



9. You should see a progress bar going across the window. When it is finished you will receive a message that the export was complete. Choose the "OK" button.



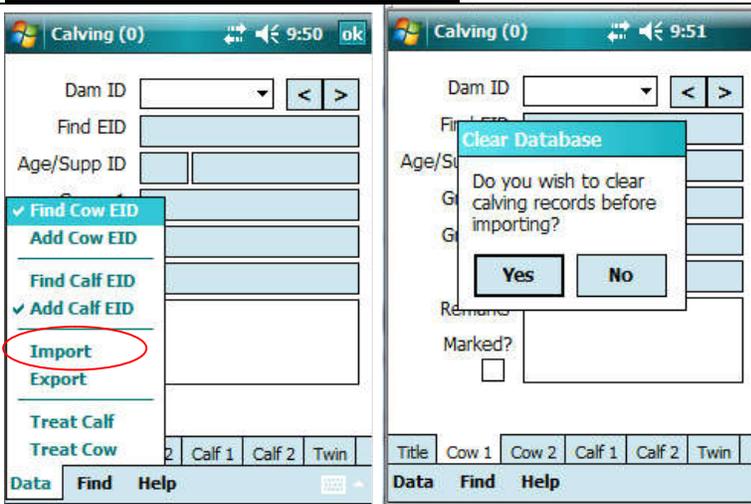
10. Make sure the handheld synchronizes with the computer. If you are in doubt, bring up Windows Mobile Device Center and click the "Sync" button.



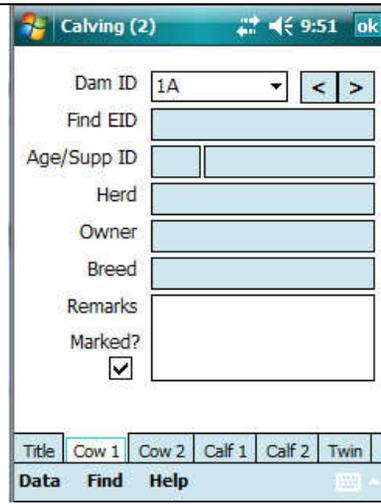
11. Once synchronization is complete, go to the handheld and launch Pocket Cow Sense and select the function appropriate for the data you exported (example: if you exported calving, from the Bottom Menu select Task > Calves > Calving).



12. Once positioned to the function in Pocket Cow Sense with which you wish to work, select Data > Import. You will be asked if you want to clear the existing records on the handheld first. You will most likely answer "YES" to that question. In most cases you will only select "NO" if you have more than one herd file in Cow Sense.

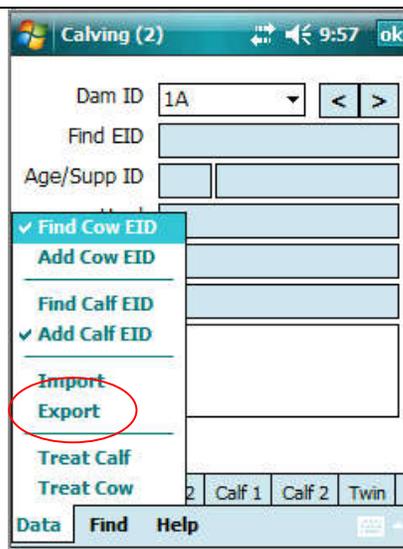


13. At this point you should see the records populating the handheld. The number at the top in parenthesis will show you the number of records that have been imported.



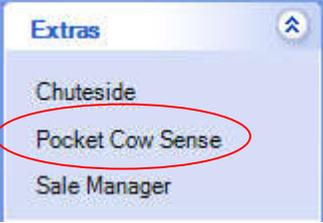
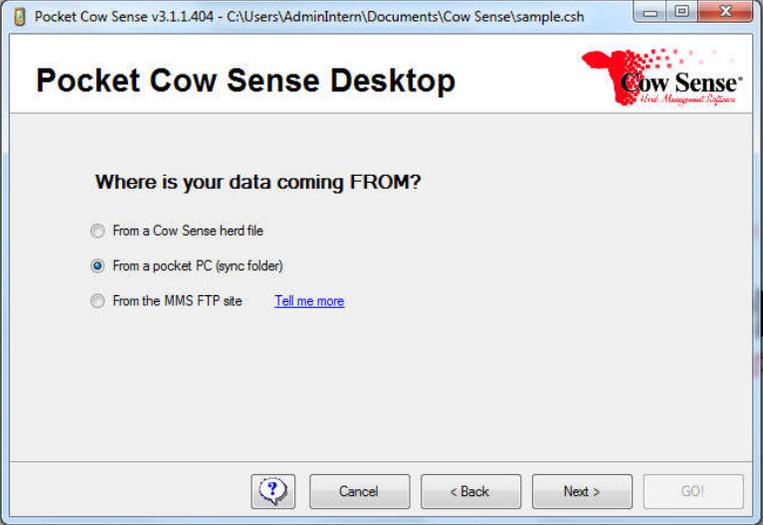
Moving data from handheld to desktop:

1. On the handheld, choose the function you wish to use to export data back to the computer. From the Bottom Menu choose Data > Export.

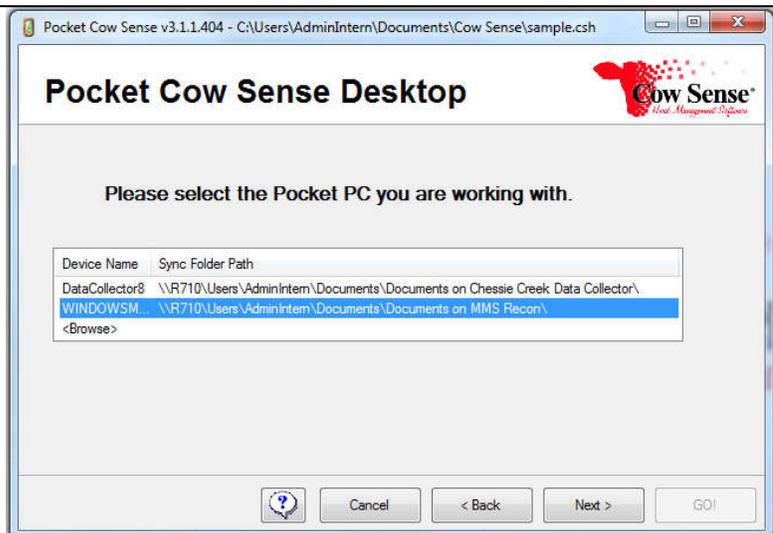


2. Allow handheld to synchronize with the desktop using Windows Mobile Device Center. You can force this to happen by plugging in the handheld or by opening the Windows Mobile Device Center on your desktop and clicking the "Sync" button. This delivers the data to the Synchronization folder shared with the Pocket PC and the computer.



<p>3. Once synchronization is complete you will open the Pocket Cow Sense Desktop. From the Cow Sense NxGen Side Bar Menu choose Extras > Pocket Cow Sense.</p>	
<p>4. The What do you want to do? Window will appear. Choose the "Move data" option and then "Next"</p>	
<p>5. The Where is your data coming FROM? Window will appear. From the options presented, choose "From a Pocket PC" (sync folder) and then "Next"</p>	

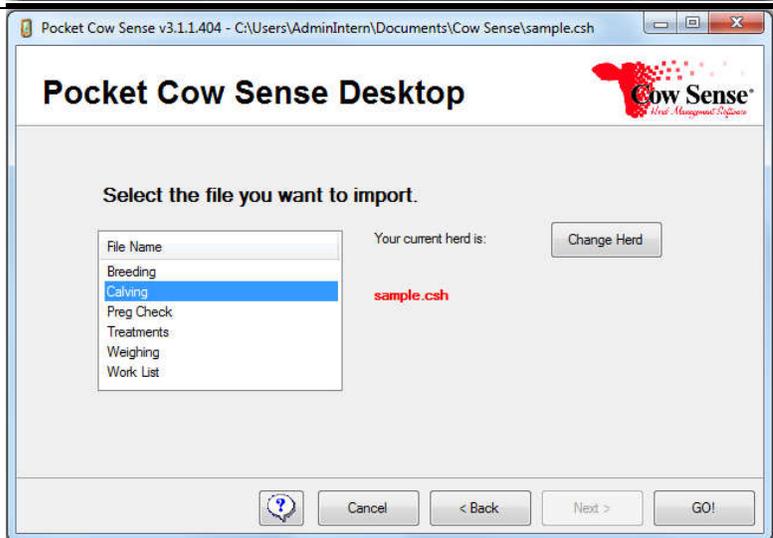
6. Make sure that the path to the Pocket PC documents folder appears correct, if so select that path. If the path presented is incorrect choose the "Browse" option to find the appropriate path. Choose the correct device to import the data from and then "Next"



7. A **Where is your data going TO?** window will appear. Choose "To a Cow Sense herd file" and then "Next"



8. A **"Select the file you want to import"** window will appear. Select the appropriate data you want to import from the list provided. Also confirm you are importing the data into the correct herd file. If both are correct choose "GO!"



- 9. When finished, a log will appear detailing the results of the import. You may save this for further review if necessary.

```
cscalving.txt - Notepad
File Edit Format View Help
Started Processing Calving File At 4/19/2017 10:06:47 AM
Herd File = C:\Users\AdminIntern\Documents\Cow Sense\sample.csh
-----
1. Cow [1A] has a new calf record. Calf [1A] has been added.
1. Calf ID [1A] updated successfully.
2. Cow [1Z] has a new calf record. Calf [1Z] has been added.
2. Calf ID [1Z] updated successfully.
-----
2 records read.
2 new progeny added.
2 progeny updated.
0 progeny NOT added.
0 progeny NOT updated.
0 twins added.
0 twins updated.
0 twins NOT added.
0 twins NOT not updated.
2 cows updated.
0 cows NOT updated.
0 warnings were issued.
Finished Processing Calving File At 4/19/2017 10:06:48 AM
```

- 10. In addition, a message box will appear asking if you would like to delete the source file. Typically, you will click “Yes” unless you need to import the same import file into another herd file.



If all looks correct in the log file, close Pocket Cow Sense Desktop and review your data in Cow Sense. If new calves have been added, run the Maintenance Utility from the Tools Menu to assign new calves to a calving season. Data added in Pocket Cow Sense will populate fields in Cow Sense NxGen once it has been moved back onto the desktop. Helpful ways to review data may be the Animal List showing Active Nursing Calves, the Individual animal measures tab, and others depending on the type of data that has been added.

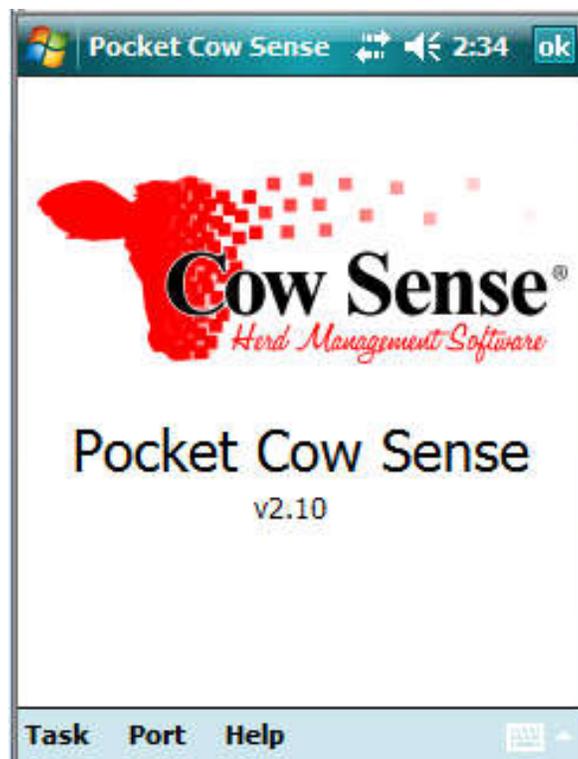
Pocket Cow Sense Handheld

Pocket Cow Sense Handheld provides a very convenient method of data entry “on-the-go” through your Pocket PC. This section will cover the functions of Pocket Cow Sense Handheld in the order in which the Menus are presented on the screen. We will cover Tasks first and then discuss Port set-up.

Each Task function in Pocket Cow Sense opens an electronic field form, or E-Form. The E-Forms contain all the relevant Cow Sense NxGen Fields for the Task at hand. Move between tasks by clicking the “**ok**” button on the top right corner to close the current task. Some E-Forms have more pages (or tabs) than what fits on the screen, so use the arrows at the lower right corner to access additional pages.

Ports are an optional feature to use in Pocket Cow Sense. They provide the capability to connect your Pocket PC to an EID Reader or Scale Indicator if desired. However, this is not required for the use of Pocket Cow Sense.

Clicking the Help Menu will open information related to the task at hand for use as on-the-go reference. However, it is important to note that the data transfer instructions from the Help Menu refer to the previous version of Cow Sense and are not relevant for use with Cow Sense NxGen.



Breeding E-Form

Introduction

The Breeding E-form allows you to record breeding data for cows. After opening the form, you can look up the cow record by either its ID or EID. After looking up the cow you can then enter the breeding data as well as add any remarks to the cow record.

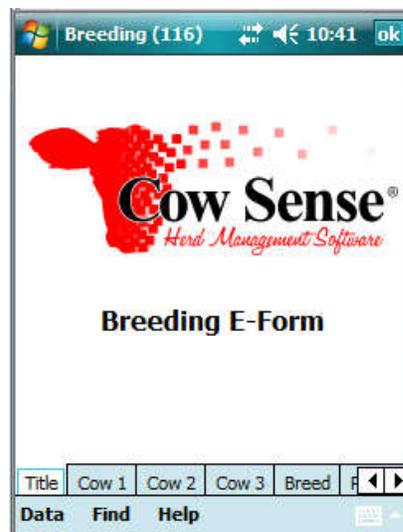
How To Start

- Export breeding from Pocket Cow Sense Desktop and sync your Pocket PC.
- Run Pocket Cow Sense on the Pocket PC. Open the breeding form under Task > Cows > Breeding.
- Import cow records by choosing Data > Import.



Pages

- **Title** -- A landmark so you know the task to where you are positioned.



- Cow 1** -- This page is where you can look up your cows. You can find a cow from the drop-down or you can read an EID to look up a cow if you are connected to a reader. You can also add an EID to a cow record, just switch over to Add EID under the Data menu (see menu descriptions below).

Breeding (116) 10:42 ok

Cow ID RA31 < >

Find EID

Supp/DNA

Tatt/Prefix DDCC A31

Reg # 1612149

Birth Date 1/24/2013

Group 1

Group 2 1

Breed/Pct AR 100

Title Cow 1 Cow 2 Cow 3 Breed F < >

Data Find Help

- Cow 2** -- This page displays additional information related to the last breedings on the cow. It also lists additional stats including her last calf's date of birth, her MPPA and Average Calving Interval.

Breeding (116) 10:43 ok

Last: Sire Service Date

AI Premier 4/15/2014

Natural R216Z & R4 5/7/2016

to: 7/20/2016

Last Calf B-Day 4/5/2016

Stats: MPPA 96

Avg Interval 387

Title Cow 1 Cow 2 Cow 3 Breed F < >

Data Find Help

- Cow 3** -- This page displays if the cow's record has been flagged as Marked, as well as her last recorded Location and location date (Calendar icon). You can also add Remarks to the cow record on this page.

Breeding (116) 10:43 ok

Marked?

Location Lynch 📅

Remarks

Title Cow 1 Cow 2 Cow 3 Breed F < >

Data Find Help

- Breed** -- This is where you add a new breeding record for the current cow. Select AI or Natural to add an AI breeding or a natural service breeding. To select a sire, go to the Sire ID drop-down list. The list will contain all of your **ACTIVE** bulls from your herd. If you entered a Planned Sire on the cow record in Cow Sense, that sire will be shown in the planned sire box. You can tap on the button to the right to automatically choose the planned sire from the Sire ID list. Fill out the other breeding information the same as you would in Cow Sense and tap 'Add' to add the breeding record.

- Ped** -- Shows the pedigree of the cow.

- EPD** -- Shows you the EPD values of the cow.

Menus

Data Menu

- **Find EID** -- If checked, scanning an EID with your EID reader (while on the Cow 1 page) will look up a cow record.
- **Add EID** -- If checked, scanning an EID with your EID reader while on the Cow 1 page will add the EID to the current cow record.
- **Treat Cow** -- Use this command to treat the current cow record to which you are currently positioned. The treatment form will automatically be launched. If that cow already exists in treatments, then the treatment form will be positioned to that record. If the cow record does not exist in treatments, then the cow will be added to treatments with only the information available from the breeding form.
- **Import** -- Use this command when you have data exported from Cow Sense your Desktop that you want to import into breeding on the Pocket PC. You will be asked if you want to clear records before importing. Choosing 'Yes' will clear any existing records in breeding and import the new data. Choosing 'No' will import new data and maintain the existing records in the Pocket PC. Most users will clear the existing records before importing. If you get a message that the file was not found to import, there are a couple of issues that could be the cause. First, check to make sure the Pocket PC is synced with your desktop computer. If it is synced and the file to import is still not found, make sure that the correct sync folder is set in Pocket Cow Sense Desktop. If you do not have the sync folder set correctly, the exported data will not be in a place where it can be sent to the Pocket PC via Windows Mobile Device Center.
- **Export** -- Use this command when you are ready to export data back into Cow Sense on your desktop using the import functions in Pocket Cow Sense Desktop. Running the export command will not clear the records on the Pocket PC, it simply exports a file that will go back onto your desktop to be imported using Pocket Cow Sense Desktop. After exporting, you can still continue working on cow records, just remember, any additional changes or additions you make will have to be exported again at some point to update your Cow Sense herd.

The screenshot shows the 'Breeding (116)' application interface. At the top, there's a status bar with a battery icon, signal strength, and the time 2:56. Below that, the 'Cow ID' is set to 'RA31'. There are navigation arrows next to it. The 'Find EID' checkbox is checked. Below that are fields for 'Supp/DNA', 'Tatt/Prefix' (split into 'DDCC' and 'A31'), 'Reg #' (1612149), and 'Birth Date' (1/24/2013). A menu is open showing options: 'Find EID' (checked), 'Add EID' (1), 'Treat Cow' (AR, 100), 'Import', and 'Export'. At the bottom, there's a navigation bar with 'Data', 'Find', and 'Help' buttons.

Find Menu

- **Cow** -- Look up a cow record by typing in its ID.
- **First** -- Move to the first record in the dataset.
- **Previous** -- Move to the preceding record in the dataset.
- **Next** -- Move to the next record in the dataset.
- **Last** -- Move to the last record in the dataset.

The screenshot shows a mobile application interface titled "Breeding (116)". It features several input fields: "Cow ID" with a dropdown menu showing "RA31" and navigation arrows; "Find EID" (grayed out); "Supp/DNA" (grayed out); "Tatt/Prefix" with two sub-fields "DDCC" and "A31"; "Reg #" with "1612149"; "Birth Date" with "1/24/2013"; "Text01" (grayed out); "Birth" (grayed out); and "Bre" with a value of "100". A "Find" menu is overlaid on the form, listing "Cow", "First", "Previous", "Next", and "Last". At the bottom, there are buttons for "Data", "Find", and "Help", along with "Ped" and "EPD" labels and navigation arrows.

Features

- **Using the Cow ID drop-down list** -- This drop-down list contains the cows you exported from your herd file. Simply choose a Cow ID from the drop-down list to go to that record.
- **Using the Sire ID drop-down list** -- This drop-down list contains all active sires from your herd. This list is automatically brought over to the Pocket PC when you export breeding. If you need to update this list you have to adjust your active sire inventory in Cow Sense and then re-export breeding to the Pocket PC using Pocket Cow Sense Desktop.
- **Using the Planned Sire feature** -- This is a very useful feature you can use to set up your breeding ahead of time, so when it is breeding time, you can use this as a reference to know what bull to use on which cow. Simply enter the Planned Sire on the cow record in Cow Sense. When you export breeding using Pocket Cow Sense Desktop, that planned mating will be brought over and shown in the Planned box on the Breed page of the breeding form. Tapping the button to the right of the planned sire will automatically choose that sire from the Sire ID drop-down list.

Additional Notes

- The number in parentheses in the top title bar is the total number of records in the breeding form.
- Grayed out text boxes are not editable; they are for reference only.
- You may use the arrow buttons found to the right of the Cow ID drop-down to move between records one by one.

Preg Check E-Form

Introduction

The Preg Check E-Form allows you to enter data resulting from pregnancy evaluation of your cows. After opening the form, you can look up the cow record by either its ID or EID. You can then enter Preg Check information as well as add any remarks to the cow record.

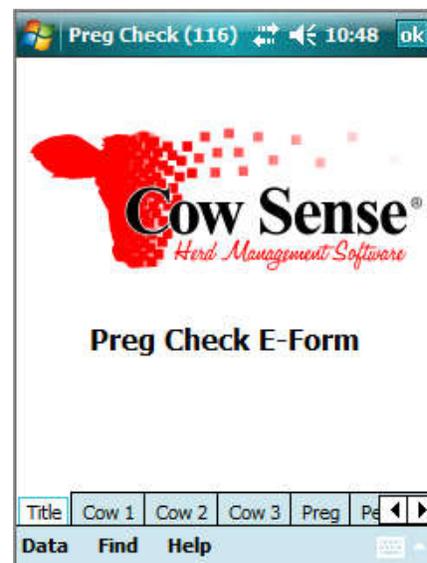
How To Start

- Export cows to Preg Check from Pocket Cow Sense Desktop and sync your Pocket PC.
- Run Pocket Cow Sense on the Pocket PC and open the Preg Check E-Form under Task > Cows > Preg Check.
- Import your cows by choosing Data > Import.



Pages

- **Title** -- A landmark so you know the task to which you are positioned.



- Cow 1** -- This page is where you can look up your cows. You can find a cow from the drop-down or you can read an EID to look up a cow if you are connected to a reader. You can also add an EID to a cow record, just switch over to Add EID under the Data menu (see menu descriptions below).

- Cow 2** -- This page displays additional information related to the last breedings on the cow. It also lists additional stats including her last calf's date of birth, her MPPA and Average Calving Interval.

- Cow 3** -- This page displays if the cow's record has been flagged as Marked as well as her last recorded Location and location date (calendar icon). You can also add Remarks to the cow record on this page.

- Preg** -- Here is where you enter Preg Check information. By confirming the Date at the top, Pocket Cow Sense will update the "Days" (since breeding) information on the Cow 2 page for your reference. If you record Days Bred, Estimated Calving will be calculated and Pregnancy Status as well as Stage will be completed for you. The last recorded Cow Weight and Body Condition Score (if any) is displayed above the fields to record her present weight and BCS. The weight date (Wt Date) will default to the date selected at the top for this event. If you are not entering the number of days bred, simply choose the pregnancy Status of the cow and Stage manually (leave days bred empty).

- Ped** -- Shows the pedigree of the cow.

- EPD** -- Shows you the last recorded EPD values of the cow.

Menus

Data Menu

- **Find EID** -- If checked, scanning an EID with your EID reader while on the Cow 1 page will look up a cow record.
- **Add EID** -- If checked, scanning an EID with your EID reader while on the Cow 1 page will add the EID to the current cow record.
- **Treat Cow** -- Use this command to treat the current cow record you are on. The treatment form will automatically be brought up. If that cow already exists in treatments, then the treatment form will be positioned to that record. If the cow record does not exist in treatments, the cow will be added to treatments with only the information available from the Preg Check form.
- **Import** -- Use this command when you have data exported from Cow Sense your desktop that you want to import into the Preg Check form on the Pocket PC. You will be asked if you want to clear records before importing. Choosing 'Yes' will clear any existing records in breeding and import the new data. Choosing 'No' will import new data and maintain the existing records in the Pocket PC. Most users will clear the existing records before importing. If you get a message that the file was not found to import, there are a couple of issues that could be the cause. First, check to make sure the Pocket PC is synced with your desktop computer. If it is synced and the file to import is still not found, make sure that the correct sync folder is set in Pocket Cow Sense Desktop. If you do not have the sync folder set correctly, the exported data will not be in a place where it can be sent to the Pocket PC via Windows Mobile Device Center.
- **Export** -- Use this command when you are ready to export data back to Cow Sense on your desktop using the import functions in Pocket Cow Sense Desktop. Running the export command will not clear the records on the Pocket PC, it simply exports a file that will go back onto your synch folder on your desktop to import using Pocket Cow Sense Desktop. After exporting, you can still continue working on cow records, just remember, any additional changes or additions you will have to export again at some point to update your Cow Sense herd.

The screenshot shows the 'Preg Check (116)' application window. At the top, there's a title bar with the Windows logo, signal strength, volume, and time (3:19). Below the title bar, the form contains several input fields: 'Cow ID' with a dropdown menu showing 'RA31' and navigation arrows; 'Find EID' (empty); 'Supp/DNA' (empty); 'Tatt/Pref' with two sub-fields containing 'DDCC' and 'A31'; 'Reg #' with '1612149'; and 'Birth Date' with '1/24/2013'. A menu is open over the form, listing 'Find EID' (with a checkmark), 'Add EID' (with '1'), 'Treat Cow' (with 'AR' and '100'), 'Import', and 'Export'. At the bottom, there's a navigation bar with 'Data', 'Find', and 'Help' buttons.

Find Menu

- **Cow** -- Look up a cow record by typing in its ID.
- **First** -- Move to the first record in the dataset.
- **Previous** -- Move to the preceding record in the dataset.
- **Next** -- Move to the next record in the dataset.
- **Last** -- Move to the last record in the dataset.

The screenshot shows a software window titled "Preg Check (116)". The title bar includes a Windows logo, the title, and icons for zooming and a time of 3:19. The main area contains a form with the following fields: "Cow ID" (a dropdown menu with "RA31" selected and arrow buttons), "Find EID" (a text box), "Supp/DNA" (a text box), "Tatt/Prefix" (two text boxes with "DDCC" and "A31"), "Reg #" (a text box with "1612149"), "Birth Date" (a text box with "1/24/2013"), and "Text01" (a text box). A "Find" menu is open over the form, listing "Cow", "First", "Previous", "Next", and "Last". The bottom of the window has a menu bar with "Data", "Find", and "Help".

Features

- **Using the Cow ID drop-down list** -- This drop-down list contains the cows you exported from your herd file. Simply choose a cow ID from the drop-down list to go to that record.
- **Using the Days since breeding feature** -- This feature will calculate and display the days since breeding on the Cow 2 tab. This occurs once the Preg Check Date has been entered or confirmed in the "Date" field displayed at the top of the Preg tab (if breeding records were previously recorded in Cow Sense).
- **Using the Days Bred feature** -- If the days bred is being recorded, then estimated calving date (Est. Calving) will be calculated by Pocket Cow Sense and Pregnancy Status as well as Stage will be completed for you.

Additional Notes

- The number in parentheses in the top title bar is the total number of records in the Preg Check form.
- Grayed out text boxes are not editable; they are for reference only.
- You may use the arrow buttons found to the right of the Cow ID drop-down to move between records one by one.

Calving E-Form

Introduction

The Calving E-Form enables you to record birth information on calves in the field. It is designed to look up the cow record by either its ID or EID. After looking up the cow, you fill out that cow's calf record.

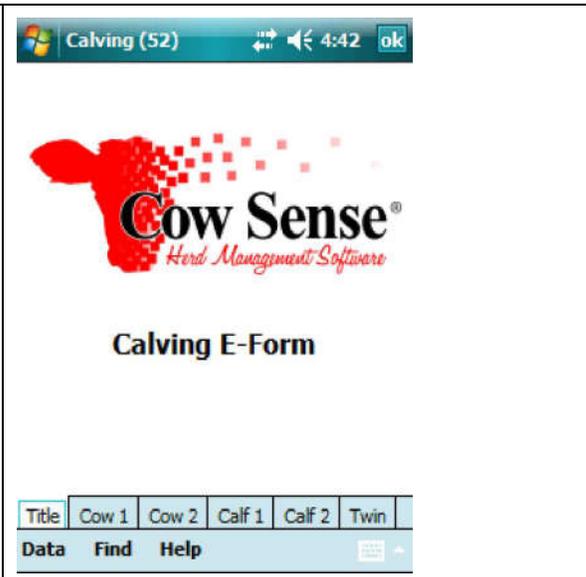
How To Start

- Export calving from Pocket Cow Sense Desktop and sync your Pocket PC.
- Run Pocket Cow Sense on the Pocket PC. Open the calving form under Task > Calves > Calving.
- Import by going to Data > Import.



Pages

- **Title** -- A landmark so you know the task to which you are positioned.



- Cow 1** -- This page is where you can look up your cows to find the calf record to complete. You can not only look up a Cow ID from the drop-down, you can also read an EID to look up a cow if you are connected to a reader. If you want to add an EID to this cow, just switch over to Add Cow EID under the Data menu (see menu descriptions below). There is additional reference information displayed relative to the cow. You can also add Remarks to the cow's record on this page.

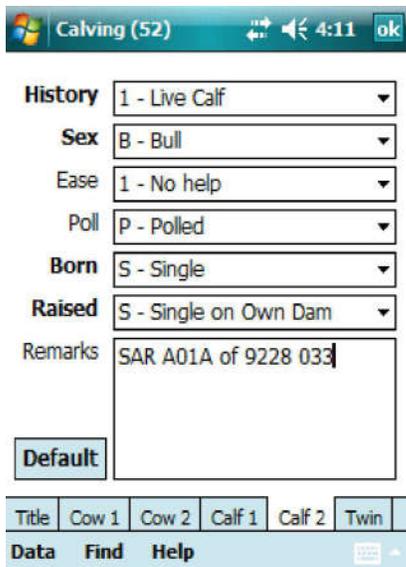
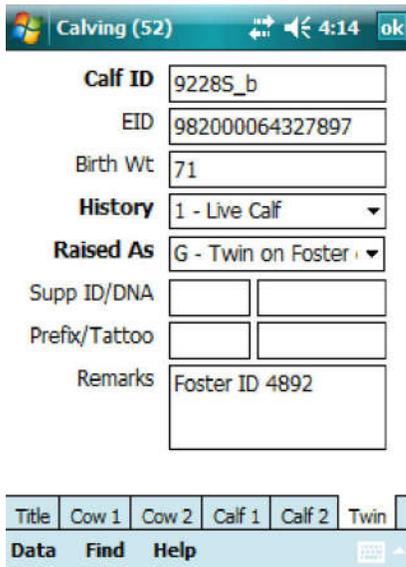
The screenshot shows the 'Calving (114)' screen with the following fields: Dam ID (RS66), Find EID (empty), Age/Supp ID (11), Herd (empty), Owner (empty), Breed (AR), Remarks (1B. ET Recip - 2013), and Marked? (checkbox). At the bottom, there is a navigation bar with 'Title', 'Cow 1', 'Cow 2', 'Calf 1', 'Calf 2', and 'Twin' tabs, and a menu with 'Data', 'Find', and 'Help' options.

- Cow 2** -- The second page is additional information about the cow including breeding data, Due Date (calculated from date bred) and estimated calving date (Est. Calving Date) calculated from Days Bred data recorded at Preg Check. Last recorded Location and location date (Calendar Icon) for the Cow and Calf are displayed if they had been assigned through the Location Wizard in Cow Sense. The Cows Udder Score can be recorded as well as the Recip ID for the calf if it is the result of embryo transfer (ET).

The screenshot shows the 'Calving (114)' screen with the following fields: Breeding: Sire (AI Trilogy, Due Date 1/24/2016), Natural (RBS191, Due Date 2/16/2017), Est Calving Date (to: 4/29/2017), Location (Cow) (Home (A553)), Location (Calf) (empty), Udder Score (1), and Recip ID (if ET) (empty). At the bottom, there is a navigation bar with 'Title', 'Cow 1', 'Cow 2', 'Calf 1', 'Calf 2', and 'Twin' tabs, and a menu with 'Data', 'Find', and 'Help' options.

- Calf 1** -- This is the first page of information you can complete on the progeny record for this cow. Items in bold are required to complete the record. Scan an EID to the calf on this page if you are connected to an EID reader. Details of the Sire ID drop-down list, Question Mark button, and Breed drop-down list are detailed below in the features section. If you are using the calving form to reference calf information and wish to look up a calf record, you can switch to Find Calf EID under the Data menu and scan an EID with your reader to bring up the calf record. If you are not using an EID reader you can look up the calf record by its ID by going to the Find menu (details are below in the menus section). The Birth Date field by default will display the current date (today's date from your devices internal calendar), it can be changed manually or from the calendar drop-down.

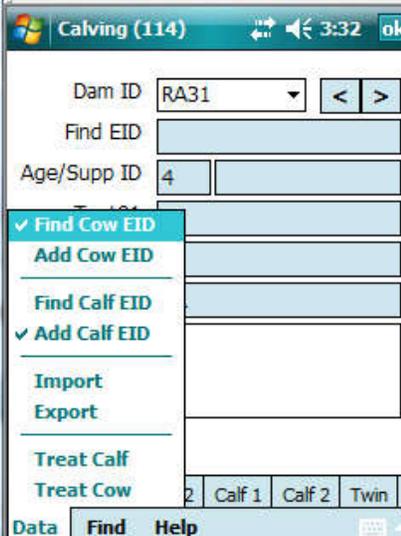
The screenshot shows the 'Calving (52)' screen with the following fields: Calf ID (9228S), Add EID (empty), Sire ID (033), Birth Date (2 / 2 / 12), Birth Wt (80), Color (Black), Breed (Angus), Supp ID/DNA (empty), and Prefix/Tattoo (A01A). At the bottom, there is a navigation bar with 'Title', 'Cow 1', 'Cow 2', 'Calf 1', 'Calf 2', and 'Twin' tabs, and a menu with 'Data', 'Find', and 'Help' options.

<ul style="list-style-type: none"> • Calf 2 -- This is a second page of information on the calf record. Items in bold are required to complete the record. The Remarks field is relative to notes you wish to record about the calf. Details of the Default button are below in the features section. 	 <p>The screenshot shows the 'Calving (52)' screen. At the top, there's a title bar with a Windows logo, 'Calving (52)', signal strength, volume, and a clock showing 4:11. Below the title bar are several dropdown menus: 'History' (1 - Live Calf), 'Sex' (B - Bull), 'Ease' (1 - No help), 'Poll' (P - Polled), 'Born' (S - Single), and 'Raised' (S - Single on Own Dam). There is a 'Remarks' text field containing 'SAR A01A of 9228 033'. A 'Default' button is located below the Remarks field. At the bottom, there's a navigation bar with tabs for 'Title', 'Cow 1', 'Cow 2', 'Calf 1', 'Calf 2', and 'Twin', and a menu bar with 'Data', 'Find', and 'Help'.</p>
<ul style="list-style-type: none"> • Twin – In the event the calf is a Twin, complete information on this tab for the other Twin. The information that is in common with the previously entered twin record will be recorded for this record as well. The Remarks field is relative to notes you wish to record about this twin and may include the identity of the Foster Dam if grafted. An EID can be read when on this page to add it to the twin record. Items in bold are required. If there is not a twin, simply ignore this page. 	 <p>The screenshot shows the 'Calving (52)' screen. At the top, there's a title bar with a Windows logo, 'Calving (52)', signal strength, volume, and a clock showing 4:14. Below the title bar are several input fields: 'Calf ID' (92285_b), 'EID' (982000064327897), 'Birth Wt' (71), 'History' (1 - Live Calf), 'Raised As' (G - Twin on Foster), 'Supp ID/DNA' (two empty fields), 'Prefix/Tattoo' (two empty fields), and 'Remarks' (Foster ID 4892). At the bottom, there's a navigation bar with tabs for 'Title', 'Cow 1', 'Cow 2', 'Calf 1', 'Calf 2', and 'Twin', and a menu bar with 'Data', 'Find', and 'Help'.</p>

Menus

Data Menu

- **Find Cow EID** -- If checked, scanning an EID with your EID reader when on the Cow 1 page will look up a cow record.
- **Add Cow EID** -- If checked, scanning an EID with your EID reader when on the Cow 1 page will add the EID to the cow record.



The screenshot shows the 'Calving (114)' screen. At the top, there's a title bar with a Windows logo, 'Calving (114)', signal strength, volume, and a clock showing 3:32. Below the title bar are several input fields: 'Dam ID' (RA31), 'Find EID' (empty), 'Age/Supp ID' (4), and 'Find Calf EID' (empty). A menu is open, showing options: 'Find Cow EID' (checked), 'Add Cow EID', 'Find Calf EID', 'Add Calf EID' (checked), 'Import', 'Export', 'Treat Calf', and 'Treat Cow'. At the bottom, there's a navigation bar with tabs for 'Title', 'Cow 1', 'Cow 2', 'Calf 1', 'Calf 2', and 'Twin', and a menu bar with 'Data', 'Find', and 'Help'.

- **Find Calf EID** -- If checked, scanning an EID with your EID reader when on the Calf 1 page will look up a calf record.
- **Add Calf EID** -- If checked, scanning an EID with your EID reader when on the Calf 1 page will add the EID to the calf record.
Note: If you are on the Twin page, scanning an EID will always add that EID to the twin record.
- **Import** -- Use this command when you have data exported from Cow Sense on your desktop that you want to import into calving on the Pocket PC. You will be asked if you want to clear calving records before importing. Choosing 'Yes' will clear any existing records in calving and import the new data. Choosing 'No' will import new data and maintain the existing records in the Pocket PC. Most users will clear existing calving records before importing. If you get a message that the calving file was not found to import, there are a couple of issues that could be the cause. First, check to make sure you have synced your Pocket PC with your desktop computer. If it is synced and the calving file to import is still not found, make sure that the correct sync folder set in Pocket Cow Sense Desktop. If you do not have the sync folder set correctly, the exported data will not be in a place where it can be sent to the Pocket PC via Windows Mobile Device Center®.
- **Export** -- Use this command when you are ready to export data back to Cow Sense on your desktop using the import functions in Pocket Cow Sense Desktop. Running the export command will not clear the records on the Pocket PC, it simply exports a file that will go back onto your desktop to be imported using Pocket Cow Sense Desktop. After exporting, you can still continue working on calving records, just remember, any additional changes or additions will have to be exported again at some point to update your Cow Sense herd.
- **Treat Calf** -- Use this command to add a treatment record for the current calf record to which you are positioned. The treatment form will automatically open. If that calf already exists in treatments, the treatment form will be positioned to that record. If the calf record does not exist in treatments, then the calf will be added to treatments with only the information available from the calving form (history will not be available for example).
- **Treat Cow** -- Use this command to treat the current cow record to which you are positioned. The treatment form will automatically open. If that cow already exists in treatments, the treatment form will be positioned to that record. If the cow record does not exist in treatments, then the cow will be added to treatments with only the information available from the calving form.

Find Menu

- **Calf** -- Look up a calf record by typing in its ID.
- **Cow** -- Look up a cow record by typing in its ID.
- **First** -- Move to the first record in the dataset.
- **Previous** -- Move to the preceding record in the dataset.
- **Next** -- Move to the next record in the dataset.
- **Last** -- Move to the last record in the dataset.

The screenshot shows a mobile application window titled "Calving (114)". The interface is a form with several fields: "Dam ID" (a dropdown menu showing "RA31"), "Find EID" (a text input field), "Age/Supp ID" (a text input field with "4" entered), "Text01" (a text input field), "Birth Group" (a text input field), "Breed" (a dropdown menu showing "AR"), "Remarks" (a text area), and "Marked?" (a checkbox). At the bottom of the window, there is a tabbed interface with tabs for "Title", "Cow 1", "Cow 2", "Calf 1", "Calf 2", and "Twin". Below the tabs is a menu bar with "Data", "Find", and "Help" options.

Features

- **Using the Dam ID drop-down list** -- This drop-down list contains all cows associated with the calves that were exported from the herd file. Choose a cow ID from the drop-down list to go to that cow's calving record. The related calf record for that cow is automatically retrieved as well. If you see a cow ID listed twice in the drop-down, that means there is more than one calf record for that cow. Each cow ID in the drop-down list corresponds to a progeny calf record from your herd file. If there is an empty row in your Dam ID drop-down list, then that means a calf you exported does not have an associated Cow tied to it in Cow Sense.
- **Using the Sire ID drop-down list** -- This drop-down list contains all ACTIVE sires from your herd. The list is automatically added to the file when you export calving data to the Pocket PC. If you need to update this list you have to adjust your active sire inventory in Cow Sense and then re-export calving to the Pocket PC using Pocket Cow Sense Desktop.
- **Using the Question Mark button** -- This button is used in conjunction with the Sire ID drop-down list. When you tap this button, Pocket Cow Sense will look at the AI information stored on the cow record to determine if the AI Sire could be the sire of the calf based on the birth date you have entered for the calf. If the AI Sire is a valid sire for the calf, the Sire ID will automatically be chosen in the drop-down.
- **Using the Breed drop-down list** -- This list contains all breeds from the breed list located in Cow Sense. This list is automatically added to the file when you export calving to the Pocket PC. If you need to adjust this list you can do that in Cow Sense, but then the calving data will need to be re-exported to your Pocket PC using Pocket Cow Sense Desktop to refresh the list.
- **Using the Default button** -- This button is used to quickly set default values for History, Ease, Poll, Born, and Raised on the calf record. It will only set the default value for these fields if they have not previously been completed. History

will default to '1', Ease will default to '1', Born will default to 'S', and Raised will default to 'S'. Poll will default to the value recorded for poll on the previous calf record completed.

Additional Notes

- The number in parentheses in the top title bar next to Calving is the total number of records in the calving form.
- Grayed out text boxes are not editable; they are for reference only.
- You may use the arrow buttons found to the right of the Dam ID drop-down on the Cow 1 tab to move between records one by one.
- Bold titled fields on the calf record are required when completing calving information for the calf. Same applies for the twin record if you are recording data for a twin.

Weighing E-Form

Introduction

The Weighing E-Form allows you to enter weights and hip height information on calves. You have the option of opening the weighing form to enter weaning, yearling, supplemental weight 1, supplemental weight 2, or feeding in weight. After opening the form, you can look up the calf record by either its ID or EID. After looking up the calf you can then enter the weight date, weight, hip height (weaning and yearling only), and any notes.

How To Start

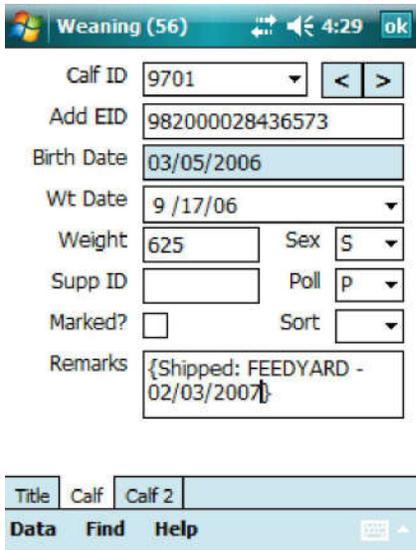
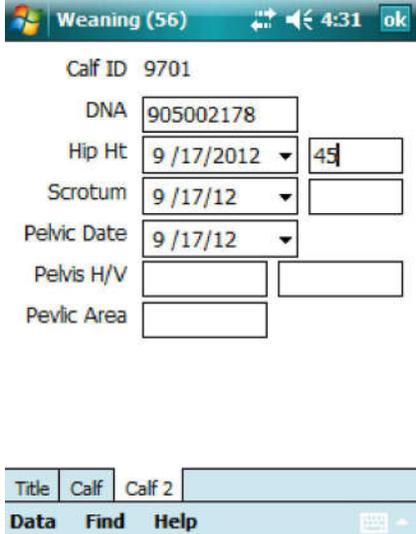
- Export weighing from Pocket Cow Sense Desktop and sync your Pocket PC.
- Run Pocket Cow Sense on the Pocket PC and open the weighing form you are going to be using under Task > Calves > Weighing.
- Import your calf records to be processed from the Bottom Menu select Data > Import.

Pages



- **Title** -- A landmark so you know the task to which you are positioned.

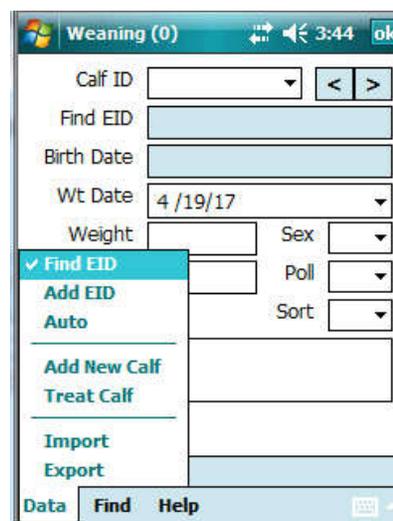


<ul style="list-style-type: none"> Calf -- This is the primary page to record weighing data for your calves. You can look up the calf in the drop-down list or you can scan an EID if you are connected to an EID reader. If you need to add an EID to the calf record, you can switch to the Add EID mode under the Data Menu. Then find the calf by its ID and scan the EID onto the record. Next enter the weight date, which defaults to today, the weight, and any notes or Remarks. You can also add data to the supplemental ID (Supp ID) field, toggle on the "Marked?" flag, and confirm or change data in the Sex and Poll fields. The Sort Field has 10 drop-downs numbered 0 through 9. This allows you to assign calf records to these temporary groups to be worked later in Cow Sense Desktop. 	
<ul style="list-style-type: none"> Calf 2 - This page provides fields to record: DNA sample collector identification number in the "DNA" field; Scrotal measurement and associated date (defaults to today's date); Pelvic measurement and associated date (defaults to today's date). If pelvic horizontal (H) and pelvic vertical (V) measurements are entered a resulting Pelvic Area is calculated and stored in that field. The calf's last recorded Location and location date (calendar icon) if using the Location Wizard in Cow Sense is displayed for reference although it can not be edited. 	

Menus

Data Menu

- Find EID** -- If toggled on, scanning an EID with your EID reader will look up a calf record.
- Add EID** -- If toggled on, scanning an EID with your EID reader will add the EID to the current calf record.
- Auto** -- If toggled on, scanning an EID with your EID reader will automatically add a new calf record. Please note that the calf MUST still exist

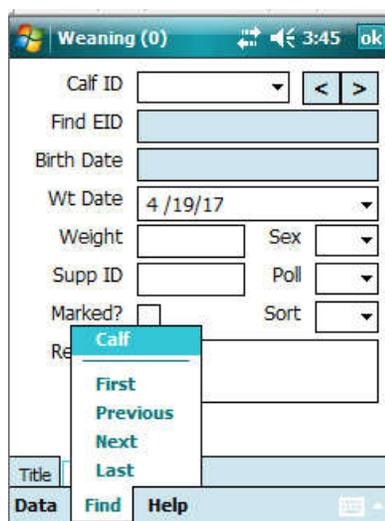


in Cow Sense with an EID. This method is used for a quick and easy way to work cattle when previously recorded data is not desired for reference. The last 4 digits of the EID is used as the Calf ID unless you are using an EID connected to a Scale Indicator and the input coming from the connection contains the ID as well as the EID and weight. When importing back into your herd file using Pocket Cow Sense Desktop, the calf will be looked up by the EID and the record will be updated (Note: The Calf ID will not be updated).

- **Add New Calf** -- Use this command to add a calf record in weighing. Please note that the calf MUST still exist in Cow Sense with an EID. This command is available just in case you did not get a calf exported to the Pocket PC that happens to run through the chute when weighing. When adding the record, you will have to enter the calf's ID. Then that calf ID will automatically be chosen for you in the drop-down list. Before moving on to another record, you must enter an EID. The EID is what will be used to find the calf back in your Cow Sense herd when you import using Pocket Cow Sense Desktop (Note: The Calf ID will not be updated when updating your herd file).
- **Treat Calf** -- Use this command to add a treatment record for the current calf record to which you are positioned. The treatment form will automatically be displayed. If that calf already exists in treatments, then the treatment form will be positioned to that record. If the calf record does not exist in treatments, then the calf will be added to treatments with only the information available from the weighing calving form.
- **Import** -- Use this command when you have data exported from your Cow Sense herd that you want to import into weighing on the Pocket PC. You will be asked if you want to clear records before importing. Choosing 'Yes' will clear any existing records in weighing and import the new data. Choosing 'No' will import new data and keep existing records in the Pocket PC. Most users will clear records before importing. If you get a message stating that the file was not found to import, then there are a couple things that could be the cause. First thing to check is to make sure you synced your Pocket PC with your desktop computer. If it is synced and the file to import is still not found, make sure you have the correct sync folder set in Pocket Cow Sense Desktop. If you do not have the sync folder set correctly, then the exported data will not be in a place where it will be moved over onto the Pocket PC using Windows Mobile Device Center.
- **Export** -- Use this command when you are ready to export data back into your Cow Sense herd using the import functions in Pocket Cow Sense Desktop. Running the export command will not clear the records on the Pocket PC, it simply exports a file that will go back onto your desktop to import using Pocket Cow Sense Desktop. After exporting, you can still continue working on calf records, just remember, with any additional changes or additions you will have to export again at some point to update your Cow Sense herd.

Find Menu

- **Calf** -- Look up a calf record by typing in its ID.
- **First** -- Move to the first record in the dataset.
- **Previous** -- Move to the preceding record in the dataset.
- **Next** -- Move to the next record in the dataset.
- **Last** -- Move to the last record in the dataset.



Features

- **Using the Calf ID drop-down list** -- This drop-down list contains the calves you exported from your herd file. Simply choose a calf ID from the drop-down list to go to that record. If there is an empty row in your Calf ID drop-down list, then that means a calf you exported does not have an ID entered in Cow Sense.
- **Using the Pelvic Area computation** – This feature will compute the pelvic area by multiplying the vertical and horizontal measurements. The result is automatically stored in the Pelvic Area field.
- **Using the Sort function** – This feature allows you to assign an animal record to one of 10 groups (0 – 9). These groups can then be filtered out in Cow Sense for further processing.

Additional Notes

- The top title bar will tell you if the form is open for entering weaning, yearling, supp 1, supp 2, or feeding in weights.
- The number in parentheses in the top title bar is the total number of records in the weighing form.
- You may use the arrow buttons found to the right of the Calf ID drop-down to move between records one by one.

Treatment E-Form

Introduction

The Treatment E-Form allows you to enter treatments on calves, cows, and bulls.

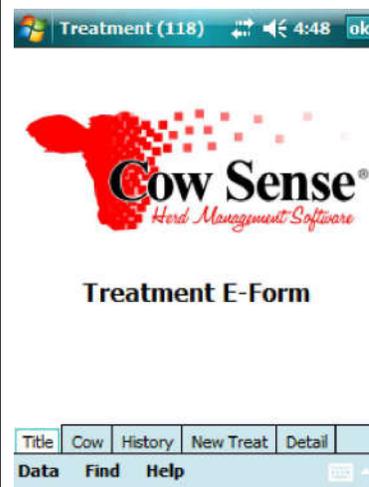
How To Start

- Export treatments from Pocket Cow Sense Desktop and sync your Pocket PC.
- Run Pocket Cow Sense on the Pocket PC and open the treatment form from the Bottom Menu choose Task > Treatment.
- Import records by going to Data > Import.

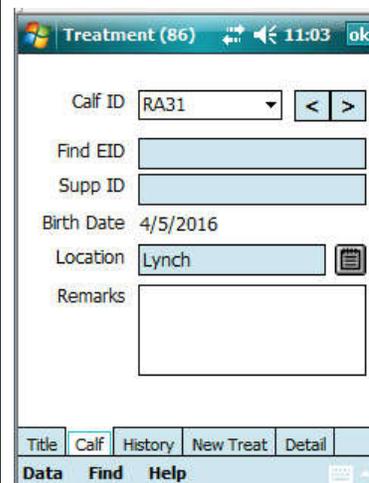


Pages

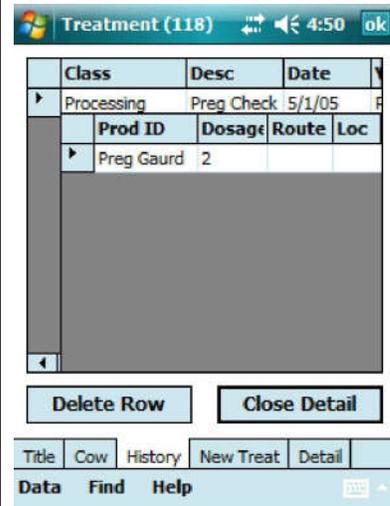
- **Title** -- A landmark so you know the task to which you are positioned.



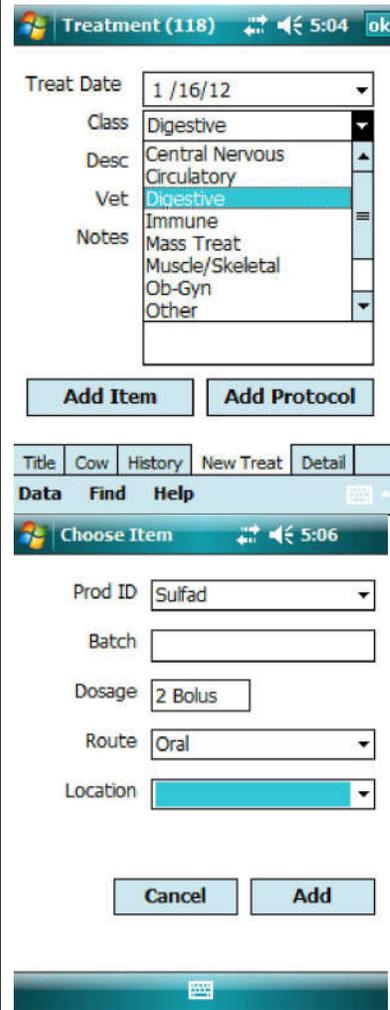
- **Calf/Cow/Bull** -- This page is where you can look up records in calves, cows, or bulls (depending on which view you are working in, see menu descriptions below for more information on switching to a different view). Here you cannot only look up a record from the drop-down, but you can also read an EID to look up a record if you are connected to an EID reader. If you want to add an EID to a record, just switch over to 'Add EID' under the Data menu. You can also add Remarks to a record on this page. The animal's Supplemental ID (Supp ID), Birth Date and last Location and location date (Calendar Icon) are available for reference but can't be edited.



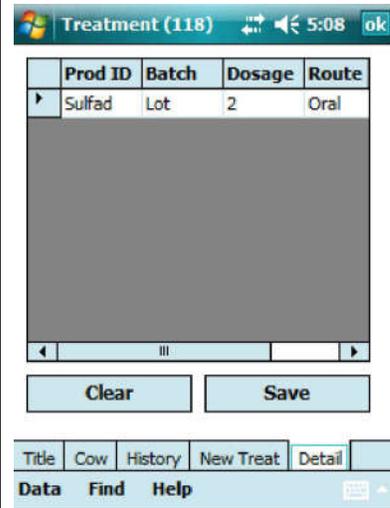
- History** -- This page displays all treatment history of an animal. History will only be present for animal records you have exported from Pocket Cow Sense Desktop to treatments. Each row in the grid is a master treatment record. If you want to see the details of the treatment, tap on the row in the grid to highlight it, and then tap on the 'View Detail' button. A second grid will appear showing the individual treatment items that were administered. To close the detail view, simply tap the 'Close Detail' button. You can also delete treatments you have added on a record in Pocket Cow Sense. To delete a treatment, tap and highlight the row in the grid and then tap the 'Delete Row' button. Remember that only treatments added in Pocket Cow Sense can be deleted.



- New Treat** – This page provides the ability to record a new treatment record for an animal. The information you enter on this page is for the master treatment record. Treatment date and class are required for each treatment you enter.
- To enter the specific items you are administering, tap on the 'Add Item' button to bring up a form to choose a product and fill out other details. Once completed with data entry on this page choose the "Add" button to add this item to the list of items administered with this treatment.
- After you add an item, that item will appear on the next page called 'Detail'. Adding treatments in Pocket Cow Sense is very similar to the main Cow Sense program, you can also reference Cow Sense Video Tutorials specific to Treatments to find out more information about entering treatments. For information on using the 'Add Protocol' button, look in the features section below.



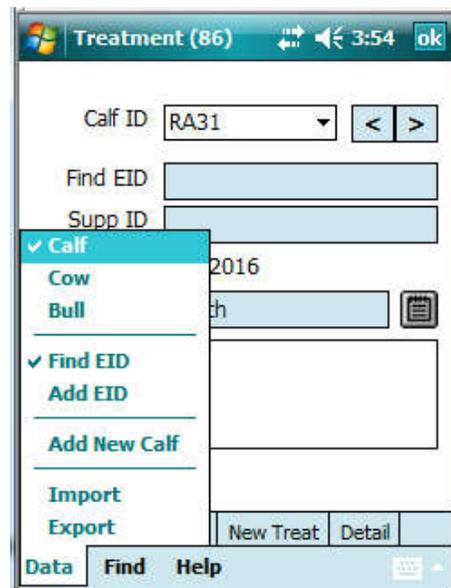
- Detail** -- This is the final page to add the treatment to the animal record. All items you are administering to the animal are listed in the grid for your review. To finalize the treatment, tap on the 'Save' button. The treatment entered is now part of the animal's history. You can flip back over to the history page to see the newly entered treatment. If during your review you decide you do not want to add the treatment record and need to start over entering items, tap on the 'Clear' button to clear the grid.



Menus

Data Menu

- Calf** -- Check or choose this option if you will be working in calves. The second page will be called 'Calf'. Only the calves exported to treatments will be in the drop-down list to choose from.
- Cow** -- Check or choose this option if you will be working in cows. The second page will be called 'Cow'. Only the cows exported to treatments will be in the drop-down list to choose from.
- Bull** -- Check or choose this option if you will be working in bulls. The second page will be called 'Bull'. Only the bulls exported to treatments will be in the drop-down list to choose from.
- Find EID** -- If checked, scanning an EID with your EID reader will look up a record. The EID will be looked up only in the view in which you are currently working (calves, cows, or bulls).
- Add EID** -- If checked, scanning an EID with your EID reader will add the EID to the current record displayed.
- Add New Calf/Cow/Bull** -- Use this command to add a new record in treatments. Please note that the animal **MUST** still exist in Cow Sense with an EID. This command is available just in case you did not get an animal exported to the Pocket PC that happens to run through the chute when administering treatments. When adding the record, you will have to enter the animal's ID. Then that ID will

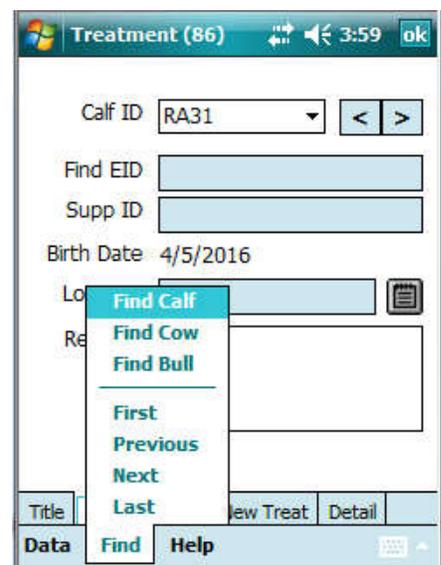


automatically be chosen for you in the drop-down list. Before moving on to another record, you must enter an EID. The EID is what will be used to find the animal back in your Cow Sense herd when you import using Pocket Cow Sense Desktop (Note: The ID will not be updated when updating your herd file, it is used only for reference in the drop-down list when working in Pocket Cow Sense).

- **Import** -- Use this command when you have data exported from your Cow Sense herd that you want to import into treatments on the Pocket PC. You will be asked if you want to clear records before importing. Choosing 'Yes' will clear any existing records in treatments and import the new data. Choosing 'No' will import new data and maintain existing records in the Pocket PC. Most users will clear records before importing. If you get a message stating that the file was not found to import, then there are a couple things that could be the cause. First thing to check is to make sure you synced your Pocket PC with your desktop computer. If it is synced and the file to import is still not found, make sure you have the correct sync folder set in Pocket Cow Sense Desktop. If you do not have the sync folder set correctly, then the exported data will not be in a place where it will be moved over onto the Pocket PC using ActiveSync.
- **Export** -- Use this command when you are ready to export new treatment records to go back into your Cow Sense herd using the import functions in Pocket Cow Sense Desktop. **It is important to re-export animals to treatments on the Pocket PC from your herd file the next time you plan to record treatments.** Otherwise, you could accidentally export the same Treatments from your Pocket PC and re-import into Cow Sense, resulting in duplicate treatments in your herd file.

Find Menu

- **Find Calf** -- Look up a calf record by typing in its ID.
- **Find Cow** -- Look up a cow record by typing in its ID.
- **Find Bull** -- Look up a bull record by typing in its ID.
- **First** -- Move to the first record in the dataset.
- **Previous** -- Move to the preceding record in the dataset.
- **Next** -- Move to the next record in the dataset.
- **Last** -- Move to the last record in the dataset.



Features

- **Using the Calf/Cow/Bull ID drop-down list** -- This drop-down list contains the calves, cows, or bulls exported from your herd file depending on the view in which you are currently working. Simply choose an ID from the drop-down list to go to that record. If there is an empty row in the drop-down list, then that means an animal you exported does not have an ID entered in Cow Sense.
- **Using the Delete Row button on the history page** -- This button is used for deleting a treatment you entered for an animal in Pocket Cow Sense. Only treatments added in Pocket Cow Sense can be deleted. If the treatment record came from your Cow Sense herd, then you will have to delete the treatment in your Cow Sense program. To delete a treatment in Pocket Cow Sense, simply highlight the row by tapping on it and then tap the 'Delete Row' button.
- **Using the View Detail button on the history page** -- This button is used to display the specific items administered to an animal for a master treatment record. Simply highlight the master treatment record in the grid by tapping on it, and then tap the 'View Detail' button. A second grid will appear displaying the details. To close the details, tap on the 'Close Detail' button.
- **Using the Add Item button on the New Treat page** -- Use this to add a specific treatment item you are administering to the animal. When you tap the 'Add Item' button, a new page will appear where you can choose the item to administer from the drop-down. This item list comes from Cow Sense. In order to adjust this item list you have to do it in your Cow Sense program. Refer to your Cow Sense documentation on how you can refine this list. After you choose an item from the drop-down, you are required to complete the "Dosage" and "Route" (of administration) fields. Completion of other information is optional. After you add the item to the treatment, it will be listed on the detail page for your review before saving the new treatment to the animal.
- **Using the Add Protocol button on the New Treat page** -- This button is used to administer a complete set of items that you have set up ahead of time in Pocket Cow Sense Desktop. This can be very useful, so you don't have to choose each item and fill out the dosage and route of administration on each animal you treat. When you tap the add protocol button a new form will appear where you can choose the protocol to administer from a drop-down list. When you choose the protocol, you will be able to see and review what the protocol consists of before it is added. After adding the protocol, all of the items will be listed on the detail page for your review before saving the new treatment to the animal.
- **Using the Clear button on the Detail page** -- Use this to clear all the items you have on the detail page and start over. If you started entering a treatment on an animal, you will have to either clear the treatment or save the treatment before moving to a different record.

- **Using the Save button on the Detail page** -- Use this to finalize a new treatment and save it to the animal's history. If you started entering a treatment on an animal, you will have to either clear the treatment or save the treatment before moving to a different record.

Additional Notes

- The number in parentheses in the top title bar is the total number of records in the treatment form for calves, cows, or bulls (depending in which view you are working).
- Grayed out text boxes are not editable; they are for reference only.
- You may use the arrow buttons found to the right of the ID drop-down to move between records one by one.
- Remember to re-export animals to treatments after every import so you don't accidentally re-import the same set of treatment records entered on the Pocket PC and get duplicate treatments in your herd file.

Work List E-Form

Introduction

The Work List allows you to do many functions that the other forms in Pocket Cow Sense do not accommodate. The Work List is different than any other form in Pocket Cow Sense. You never have to export records to the Work List to get started like all of the other forms. The Work List is the starting point for data collection. It primarily focuses around the use of EIDs and using an EID reader (however it is possible to use the Work List without EIDs). You can scan cattle to go onto trucks, sort cattle into different groups, move cattle to new locations, or even just gather data. This form can be used for almost anything because it can be exported to a tab-delimited file in Pocket Cow Sense Desktop for use in the Cow Sense Import Tool or programs like Microsoft Excel.

How To Start

- If you are using the Location Wizard in Cow Sense to record cattle movements to new locations, you can Export locations from Pocket Cow Sense Desktop and sync your Pocket PC. This step is not required to use the Work List, but is extremely useful to change locations in Pocket Cow Sense and synchronize those movements from the Desktop application with the Cow Sense Location Wizard.
- Launch Pocket Cow Sense on the Pocket PC. If you are using an EID reader be sure to open the EID port before going into the Work List. (See the section of this document regarding Port Setup.) Open the port for use with the Pocket Cow Sense program (Port > EID > Open). You must open the port each time you want to use an EID reader. If you will not be using an EID reader in conjunction with Pocket Cow Sense, skip this step.
- Open the Work List from the Bottom Menu choose Task > Work List



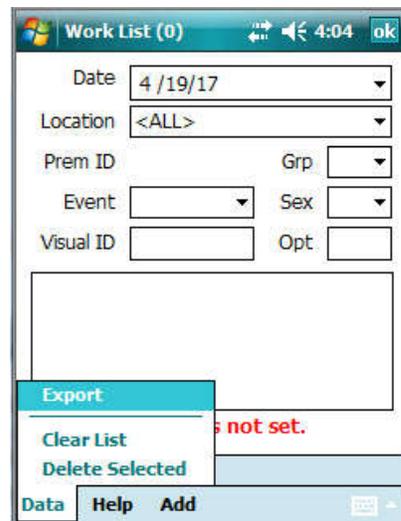
Pages

<ul style="list-style-type: none"> • Title -- A landmark so you know the task to which you are positioned. 	
<ul style="list-style-type: none"> • Work List -- This is the working page of the form. Simply scan an EID after filling out information on the form to add the animal to the list box. If you do not have a reader connected you can still use the Work List without EID, by entering a visual ID as the identifier and then tapping the menu at the bottom called 'Add'. The "Add Menu" will only appear when you are not connected to an EID reader. If you are not using EID, you will not be able to use the Work List to update locations on animals, or mark animals in Cow Sense. You will only be able to export your Work List to a tab-delimited file. However, data in this file can be imported back into Cow Sense using the Import Tool (feature available in NxGen PRO). 	

Menus

Data Menu

- **Export List** -- You can use this command to save your Work List at any time. The Work List does save itself automatically when you close the form, but it is good practice to save the Work List periodically while you are working to avoid possible loss of data if your battery dies or the Pocket PC freezes up. This function exports present data in the Work List to the Cow Sense Folder in the My Documents Directory on the Pocket PC. This file is added to the synchronization folder when connected with the computer with which it has a partnership.
- **Clear List** -- This will clear all records in the Work List to start with a clean slate.
- **Delete Selected** -- This command will remove the highlighted record in the Work List. Simply tap on the record in the list box to highlight it and from the Bottom Menu select Data > Delete Selected.



Fields

- **Date** -- Date processing or moving cattle. The Date will default to today's date stored on the Pocket PC. You can choose a different date from the calendar function presented when you select the drop-down button (in the far-right corner of the date field).
- **Location** -- Location that you wish to record as the present or new location of the animal(s) being processed. This feature is only functional for customers using the Location Wizard and animal records have existing EIDs stored in Cow Sense.
- **Prem ID** -- Premises ID assigned to the location entered in the Location Wizard.
- **Event** -- General classification list you can use that will show up in the tab-delimited file when synchronizing with Pocket Cow Sense Desktop.
- **Visual ID** -- Any ID you wish to enter for reference on the record. This will only be displayed in the tab-delimited file when synchronizing with Pocket Cow Sense Desktop.
- **Grp** -- Use this drop-down list (1-9) to group or sort cattle. This will only be displayed in the tab-delimited file when synchronizing with Pocket Cow Sense Desktop.
- **Sex** -- Use this drop-down list to identify the sex of the animal. This will only be displayed in the tab-delimited file when synchronizing with Pocket Cow Sense Desktop.

- **Opt** -- Use this field to enter up to 4 characters of any additional information you are gathering. This could be anything from a measurement like a weight to an additional ID or comment. This will only be displayed in the tab-delimited file when synchronizing with Pocket Cow Sense Desktop.

Features

- **Using the Location drop-down list** -- This drop-down list contains all the locations entered in the Location Wizard in Cow Sense. You must export locations in Pocket Cow Sense Desktop for them to show in this drop-down list. Location is not required when using the Work List, but is necessary if you plan on moving cattle to a new location when importing the Work List using Pocket Cow Sense Desktop. Pocket Cow Sense displays EID records in the list box for only the current chosen location. This is very useful to see how many cattle have been scanned into each location by simply switching the chosen location in the drop-down list and viewing the count in the top title bar.
- **Uses of the Work List when synchronizing with Pocket Cow Sense Desktop:**
 - Import the Work List to update the locations of animals. Pocket Cow Sense Desktop will process the Work List and automatically make Location Wizard moves for you and update the location and location date fields in Cow Sense on the animal record.
 - Import the Work List to mark animals in Cow Sense. Pocket Cow Sense Desktop will mark the records in Cow Sense so you can identify them for reporting or some other purpose. You will also be able to append a global remark onto the animals at the time of synchronizing if you wish.
 - Import the Work List to a tab-delimited file for use with the Import Tool or Microsoft Excel. You'll be able to specify the file name and where to save it when you import using Pocket Cow Sense Desktop.

Additional Notes

- The number in parentheses in the top title bar is the total number of records in the Work List for the location currently chosen in the location drop-down list.
- If using EID, the record is saved in the Work List once an EID is scanned to the list. Be sure to enter all information on the form and then scan the EID to save what you entered to the list box. You **CAN'T** enter information for an animal record after scanning the EID. If you accidentally scan the animal EID prior to entry of all data you wish to record, simply delete the entry and start over.
- Be creative! The Work List can be used for almost anything.

Ports

- **EID** -- If you will be using an EID reader, first you will need to establish a connection between your device and the EID reader.

- If your handheld device and EID Reader are both equipped with a standard RS 232 Serial Port, a wired connection can be established for communications between the devices. Turn on both devices

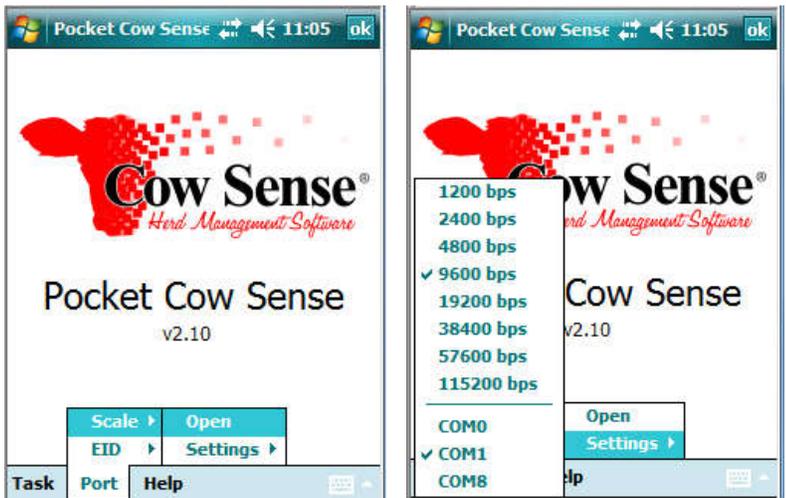
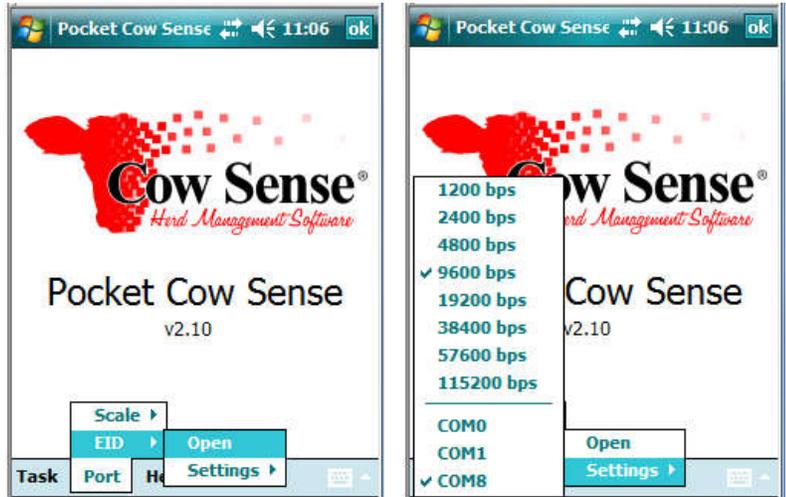
and connect via serial cable. In this case the connection to Pocket Cow Sense will use COM 1. Launch Pocket Cow Sense and from the Bottom Menu select Port > EID > Settings choose COM 1. (The connection settings should default to 9600 bps, if not select that setting as well). Return to the Bottom Menu and choose Port > EID > Open.

- You must open the port each time you want to use an EID Reader prior to attempting to use it in conjunction with Pocket Cow Sense on your handheld.
- NOTE: Pocket Cow Sense is designed to ignore repeat reads of the same EID. Many users think they have lost connection because they are unable to scan the same EID twice in a row when testing the reader for the first time. Simply scan a different EID.

- **Scale**

- If your handheld device and Scale Indicator are both equipped with a standard RS 232 Serial Port, a wired connection can be established for communications between the devices. Turn on both devices and connect via serial cable. In this case the connection to Pocket Cow Sense will use COM 1. Launch Pocket

Cow Sense and from the Bottom Menu select Port > Scale > Settings choose COM 1. (The connection settings should default to 9600 bps, if



not select that setting as well). Return to the Bottom Menu and choose Port > Scale > Open

- You must open the port each time you want to use a Scale Indicator prior to attempting to use it in conjunction with Pocket Cow Sense on your handheld.
- NOTE: Pocket Cow Sense is designed to add the weight as the signal is received from the Indicator. Generally, this is after initializing a trigger from the scale Indicator such as pressing the Enter or Print Key. Consult the User's Guide for the Make and Model of indicator for further direction.

- **Bluetooth Communications**

- A Bluetooth connection can be established between your Pocket PC and either an EID Reader or a Scale Indicator IF both are equipped with Bluetooth communication capability. Different Pocket PCs have slightly different Bluetooth interfaces. You should consult your User's Guides for both your Pocket PC and EID Reader for instructions in setting up a Bluetooth connection between your specific devices.
- You will need to establish an "Outgoing" connection from your handheld device and the EID Reader or Scale Indicator. Pocket Cow Sense uses either Com 7 or Com 8.
- The Bluetooth connection MUST be established between your Pocket PC and the EID Reader or Scale Indicator PRIOR to initializing Pocket Cow Sense on the handheld.
- Once a Bluetooth connection has been established between the Pocket PC and the device(s) launch Pocket Cow Sense. From the Bottom Menu choose > Port and choose the device (Scale or EID) > Settings. Check the Com Port (7 or 8) with which you previously established a Bluetooth connection and confirm the connection setting is at 9600bps.
- Return to the Bottom Menu and choose Port > EID > Open.
- You must open the port each time you want to use an EID Reader prior to attempting to use it in conjunction with Pocket Cow Sense on your handheld.

Tips and Tricks

Below is a list of useful tips that will aid you in using Pocket Cow Sense on the Pocket PC.

- Once you launch Pocket Cow Sense it is recommended you leave Pocket Cow Sense open in the background during the course of the day so you can bring it up quickly as needed. To minimize Pocket Cow Sense simply tap on the top title bar to bring up the Start menu and choose Today. When you wish to resume access to Pocket Cow Sense tap on the Start Menu tap on the Pocket Cow Sense shortcut icon.
- Each task in Pocket Cow Sense uses a separate list of animal records (excluding for the Work List functions). For these particular tasks, the set of records to be used must be first exported from Pocket Cow Sense Desktop. This is very useful because you can have a set of records exported for calving and a separate set of records exported for weighing. This gives you the ability to work different sets of cattle and keep those lists separate. Please remember this separation is only by task (calving, weighing, treating, breeding, Preg Check). If you export two sets of calving records from two different herd files, all of those calving records will be available in the calving form. However, this is still manageable because when you import those records back into your two herd files, Pocket Cow Sense Desktop will know which records need to be updated in each herd file. If you do wish to export records from more than one herd file onto the Pocket PC, be sure to sync your handheld and import the first set into Pocket Cow Sense on the Pocket PC before exporting your second set of records.
- If you are using an EID reader with Pocket Cow Sense please note that Pocket Cow Sense is designed to ignore a repeat read of an EID. If you need to read an EID twice in a row, you will have to scan a different EID first before re-reading the EID. This is by design mainly, so you do not get duplicate entries in the Work List.
- When using a Bluetooth connection with an EID reader, it is important to understand how the connection works. Your Pocket PC has a Bluetooth card (or radio) built into it that manages blue tooth connections. This built in card is what actually connects to your reader and keeps the connection going. The blue tooth card utilizes a com port on the Pocket PC which is what is opened in Pocket Cow Sense. If you lose connection to your reader, Pocket Cow Sense will still have the com port open because the blue tooth card still has that set up. You can lose connection if your Pocket PC screen completely turns off. If this is a problem, go into the settings on the Pocket PC and make an appropriate change. You can also lose connection if the battery in your reader or in the Pocket PC starts to get low. And the final common thing that can cause loss of connection is interference from surrounding electronic devices. If you do lose connection, the first thing to do to try to re-establish the connection is to close the com port in Pocket Cow Sense and re-open it. This should force the blue tooth card to re-connect to the reader. If that does not

work, you may have to close Pocket Cow Sense and re-open it, or even reboot the reader and/or Pocket PC. (The same is true for Bluetooth connections to a scale indicator)

- It is important to note that if you have the same animal exported to two different tasks, you could overwrite data when importing back into Cow Sense using Pocket Cow Sense Desktop. One example of this would be if you have a cow exported to both breeding and Preg Check tasks. This can easily happen if you choose to export all active cows from your herd. The cow already has an EID on its record, but you need to replace it while doing breeding. In breeding, you replace the EID with the new one. Then at the end of the day you export breeding and Preg Check data on the Pocket PC. You open Pocket Cow Sense Desktop and import breeding data into Cow Sense and then import Preg Check data into Cow Sense. You then find that the EID that you replaced did not get updated. That is because you imported Preg Check data after importing breeding data and you overwrote the EID on the cow with its old EID because that is what was present on the cow when you originally exported Preg Check data. So, as you can see, it is important to keep that kind of situation in mind when exporting records to the Pocket PC.
- When opening Pocket Cow Sense on the Pocket PC you may get a message that says, "Port already is in use or is not available". This message basically means the current com port set for either the EID reader or the Scale is not available to use. This commonly happens with Bluetooth readers because the com ports associated with the Bluetooth card are only available when Bluetooth is turned on. This message can either be ignored or you can keep your Bluetooth on so the message does not come up. If that message is still displayed, try switching to a different com port under Port->EID->Settings or Port->Scale->Settings.
- Why doesn't Pocket Cow Sense synchronize automatically? There are several reasons why this process does not happen automatically. Foremost is that all of your data from your herd will not fit on a Pocket PC. There simply isn't enough room yet on Pocket PCs to move everything over. So, we intend for the user to export records. The export process allows a user to select and validate the records that go over to the Pocket PC. Then you have to import those records into the Pocket PC under the respective form and again validate the process. We intend for the user to do this because Pocket Cow Sense is designed not only for basic users, but for more advanced users. Direct synchronization is not utilized because more advanced users may want to manage exactly what records get imported and when, from several Cow Sense herd files. When a user is ready to update their Cow Sense herd (from Pocket Cow Sense on the handheld), we intend for them to export on the Pocket PC and then import using Pocket Cow Sense Desktop BECAUSE the user has to make choices as to which herd file to update, and needs to review the log file after import because Pocket Cow Sense Desktop will validate all information on import and log any problems for the user's review. The integrity of your data is important to you and therefore to us as well and this procedure assists to ensure your protection. The main thing to remember is Pocket Cow Sense is a data management program, much more complicated than a simple calendar that can be updated automatically without user decisions.