

Chapter 5: The Reports Menu

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Reports are at the heart of Cow Sense, which offers both a set of standard reports that are quick and powerful, as well as a dynamic report generator that allows you to create custom reports.

Shared among all the reports are a set of report tools that give you the ability to select subsets of animal records for analysis and management decisions. Cow Sense makes several computations for you, which gives you immediate averages and counts for animals that you have selected for the report. This information is valuable not only for ranking individuals within your own herd, but also for comparing subsets of your herd that relate to management practices. This is the ultimate benefit of Cow Sense: tools that give you information to make informed management decisions that improve your ranch practices and increase profits.

In order to increase your reporting power, give special notice to the Match function in the Report menu. This function lets you use selection criteria from one set of records to select animal files in a different set of records. For instance, you can use the Match function to select calves based on cow or bull performance; or you can use the Match function to select breeding stock based on past calf feedlot or carcass performance.

SAMPLE PDF REPORTS

Look on your installation CD for PDF sample reports from the Cow Sense sample herd that you can view on-screen or print.

REPORT TOOLS

The Report tool bar is standard on all Cow Sense report windows; you'll also find it on various windows within the Enter Data menu such as the Tabular Calf Entry window and most of the Field Forms windows. Mastering the functions within this tool bar will unleash the reporting power of Cow Sense at your fingertips.

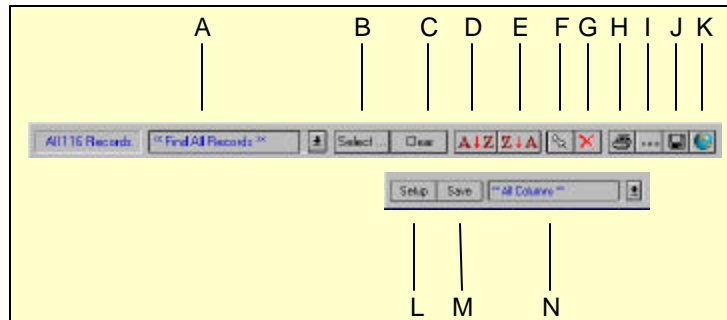
Tip: TAKE TIME TO MASTER THE REPORT TOOL BAR FUNCTIONS TO UNLEASH THE REPORTING POWER OF COW SENSE AT YOUR FINGERTIPS.

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FIGURE 5-1. THE REPORTS TOOL BAR.

NOTE: YOU CAN OPEN SEVERAL REPORT WINDOWS AT ONCE IN COW SENSE, WHICH ALLOWS YOU TO COMPARE SUBSETS OF ANIMALS AGAINST ONE ANOTHER AND AGAINST THE ENTIRE HERD.

Using the report tool bar (A-K) and custom report tool bar (L-N)



- A. Use the Hot button on this Saved Selection box to select a previously created and saved query.
- B. This button takes you to the query window.
- C. Use this button to clear a created search.
- D. Use this button to sort records in ascending alphabetic or numeric order.
- E. Use this button to sort records in descending alphabetic or numeric order.
- F. Use this button to mark all records with a "Yes" in order to conduct a query or export records for sales or other analysis.
- G. Use this button to mark all records with a "No" in order not to conduct a query, or to export records for sales or other analysis.
- H. Use this button to open the print preview window.
- I. Use this button to type a header for the printed report.
- J. Use this button to export a Cow Sense report to a tab-delimited file to use in a word processor, spreadsheet or database.
- K. Use this button to make global edits in specific fields in several animal records at once.
- L. Use the Setup button to select specific fields you want in a **Custom** form layout.
- M. Use the Save button to save a **Custom** layout you design. Cow Sense will add the layout to the Layout List (see N)
- N. Use the Hot button on the right of this Layout List to retrieve previously-saved **Custom** form layouts. Also use this tool to select Midwest MicroSystems-designed layouts from the <Open Library>.

USING THE SAVED SELECTION BOX: QUERY LIBRARY

Cow Sense comes with a library of sample queries to aid you in learning to build your own. Queries are questions you pose to the database in order to generate a subset of your herd. You can load these samples into your own herd and use them, or modify them to your needs. To retrieve the query library, click the Hot button on the Saved Selection box (item A in Figure 5-1) in any report window, or the Layout List box (item N in Figure 5-1) in any Custom Report window. Select the <**Open Library**> option. A Query Library For ... window will appear (see Figure 5-2).

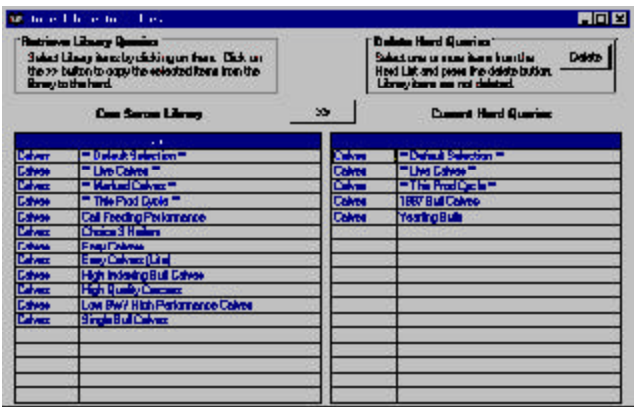


FIGURE 5-2.
THE QUERY LIBRARY
WINDOW.

Copying Library Queries to the Current Herd

The available library for queries will depend on whether you have a cow, bull, calf, breeding or herd health report open. The process for acquiring a query from the library is the same for any of the reports. You access these queries by copying them to your current herd file. To do this, place your cursor over the query name you would like to transfer. The cursor will become a white check mark. Click your mouse to select a query. You can select more than one query at a time. A black highlight will mark selected queries. To deselect a query, click on it again with the check mark. After you have selected the query(ies) you wish to copy, click the double arrow button (>>) to transfer library queries to your herd file. Cow Sense will ask you if it is all right to copy. Click the Yes button to proceed.

Deleting Queries from your Herd File

Although you cannot delete queries from the Cow Sense library, you can delete unwanted queries from your herd file. If you want to delete unused queries from your herd file, in the Query Library window, select the query(ies) you want to delete with the white check mark cursor. A black highlight will mark the selected queries. To deselect a query, click on it again with the check mark. After you have selected the query(ies) to delete, click the Delete button in the Delete Herd Queries box in the upper right corner of the window. Cow Sense will ask you if you want to continue. Click the Yes button to proceed.

RETRIEVING SAVED QUERIES

To retrieve a saved query, click the Hot button in the Saved Selection box (item A in Figure 5-1). Cow Sense will display a drop-down list of saved

sample and user-defined queries for that herd. Make a selection and Cow Sense will filter records according to that query criteria. For more information on creating and saving queries, see the next section on Using Selecting and Sorting Tools.

USING THE SELECTING AND SORTING TOOLS

If you want to access data on only a certain group of animals, click the Select... button (item B in Figure 5-1) in any Cow Sense report window and Cow Sense will display a Select...for window (see Figure 5-3) for selecting (querying) animals and sorting them in a list.

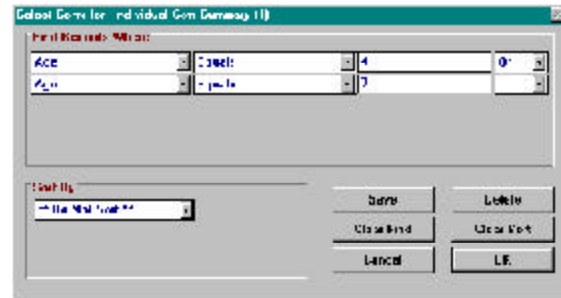


FIGURE 5-3.
THE SELECT ... FOR...
WINDOW

Find Records Where

To select a specific group of animals for a report, click the Hot button in the Field Name box and select a field on which to conduct a search from the drop-down list (for example, MPPA). Cow Sense will then display boxes to enter a relational operator (such as “Begins With”, or “Equal”, or “Contains”), a definition (such as the numeral “100”), and a logical operator (“and” or “or”). Cow Sense lets you choose up to five total search criteria using the logical operators.

Click the Clear Find button to reset query format.

Click the Save button to name and save the query format. To retrieve a format that you’ve saved, click the Hot button on the right side of the Saved Selection box (item A in Figure 5-1) in the Report window and choose from the list of saved formats. (To return to all records--clearing the selection format-- click Clear button (item C in Figure 5-1).

Sort By

You may organize your data using up to three sorting options in either ascending or descending order. Once again, use the Hot button to select the first sort field. Then select a sort direction (ascending or descending). Your first selection opens the next sort option and so on.

After you define your query criteria (for example, Cow ID) press the OK button to begin selecting animal records for which you want to gather

information. After the Select window closes, the report will display the animal records you've defined in the order you've specified. The header boxes will list the total number of records selected and the name of the selection criteria (if you used the Save button in the Select ... for window). The header in the report window will also recalculate and display summary values.

Click the Clear Sort button to reset sorting options.

USING THE ASCENDING AND DESCENDING BUTTONS

To quickly order records in ascending or descending order, use the Ascending and Descending sort buttons (items D and E respectively in Figure 5-1). Before using these buttons, you'll have to specify which field it is that you want to order. For example, if you wish to order records by Age--oldest to youngest, click on the Age field, and then click the Descending button (item E in Figure 5-1).

CHOOSING INDIVIDUAL RECORDS: THE MARKING TOOL

You may encounter an occasion when none of the fields in a database contains the information you need to establish a query. For example, say a buyer drives through a herd of cows and chooses individuals with no common identifier. In that case, you can use the Marking tools in a Report window (items F and G in Figure 5-1) in conjunction with the Marked? field in order to establish your own query set.

The default for the Marked? field is "No". You can mark all selected records in a report with a "Yes" using the push pin on the toolbar (item F in Figure 5-1) or mark all selected records with a "No" (basically "unmark" them) using the red X on the toolbar (item G in Figure 5-1). If you want to view or print a listing of animals using the Marked? function, in a Listing, Individual Summary or Custom Report, just unmark all records (item G in Figure 5-1) to clear any previous settings; then scroll through the list and select the record you want and click inside the Marked? field to turn the "No" to "Yes". If you want to change a record from "Yes" to "No", just click inside the Marked? field of that record again.

PRINTING REPORTS

If you want a printout of any report, click the Printer icon button (item H in Figure 5-1) and Cow Sense will display a print-preview of the report.

TIP: IF YOU'RE USING THE MARKED? FUNCTION, YOU CAN BEGIN WITH A LARGER SET THAT IS IDENTIFIABLE WITH A QUERY (FOR EXAMPLE, YOU CAN SELECT ALL TWO-YEAR-OLDS), MARK ALL THOSE RECORDS WITH A "YES" AND THEN SORT OFF INDIVIDUALS BY CLICKING "NO" IN THE MARKED? FIELD.

FIGURE 5-4.
THE PRINT LAYOUT FUNCTION BUTTONS. USE THESE BUTTONS TO MANIPULATE AND PRINT YOUR DATABASE OR REPORT.

Standard Cow Sense Reports

Once you have opened the print-preview, you can scroll through pages of the printout using the Fast Back, Back One, Forward One and Fast Forward buttons. To send the printout to your printer, click the Print-to-Printer button. To send the printout to a file (to use in a database or spreadsheet), click the Print-to-File (Export) button. To enlarge or reduce the viewing size of the form on your screen, click the Sizing button. See Figure 5-4.

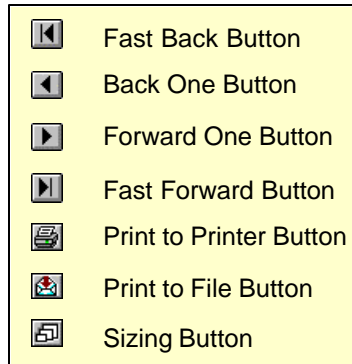
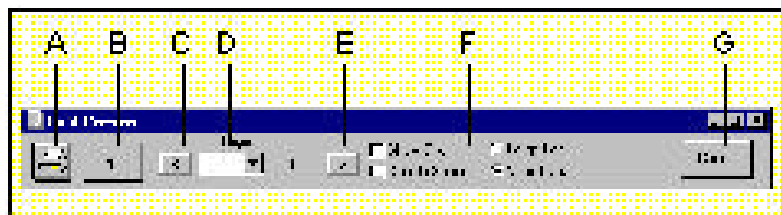


FIGURE 5-5.
THE PRINT LAYOUT FUNCTION BUTTONS FOR CUSTOM REPORTS. USE THESE BUTTONS TO MANIPULATE AND PRINT YOUR REPORT OR FIELD FORM.

NOTE: ONLY A CERTAIN NUMBER OF COLUMNS WILL FIT ON A PRINTED REPORT, WHICH IS DICTATED BY THE PRINTER AND THE SIZE OF PAPER YOU ARE USING. IF YOU USE A PRINTER THAT ONLY PRINTS STANDARD 8 1/2 BY 11 LETTER, OR 8 1/2 BY 14 LEGAL PAPER, YOU CAN GET MORE COLUMNS ON A REPORT BY PRINTING IN LANDSCAPE FORMAT. SEE THE PRINTER SETUP SECTION IN CHAPTER 3 FOR MORE INFORMATION.



- A. Print to Printer Button. Clicking this button send the custom report to the printer. After the report prints, it automatically closes.
- B. Export Button. Clicking this button opens up an export box for exporting the custom report to a tab-delimited text file. After the report exports, it automatically closes.
- C. Advance Back Button. Clicking this button advances you back in the custom report one page at a time.
- D. Page Window. Clicking the Hot button on this window allows you to select and open a specific page in the custom report.
- E. Advance Forward Button. Clicking this button advances you forward in the custom report one page at a time.
- F. Format Check Boxes.
 - Clicking on the Show Grid box puts horizontal and vertical lines around the data fields in the custom report. This is especially useful for creating custom field forms (see Chapter 4).
 - Clicking on the Double Space box gives each row in your report two spaces rather than one.
 - Clicking on the Large Font box sets the size of the custom report text to approximately 11 point. Advantage: easy to read, especially if you take the report out in the field. Disadvantage: may make the report span more pages.
 - Clicking on the Small Font box sets the size of the custom report text to approximately 9 point. Advantage: more information fits on fewer pages. Disadvantage: smaller font size makes text harder to read.
- G. Cancel. Clicking this button closes the print preview.

Once you have opened the print-preview, you can scroll through pages of the printout using the advance buttons and the Page window. To send the printout to your printer, click the Print-to-Printer button. To send the printout to a text file (to use in a word processor, database or spreadsheet), click the Save-To-Export button. You do not have to go through print preview to export files. See the following explanation in the Save-To-Export Button section of this chapter. To change the format, select from the Format Check Boxes options. See Figure 5-5.

IDENTIFYING REPORTS

If you want to give a printed report a title or identifier, click the Add Note button (item I in figure 5-1). Cow Sense will display an Add Notes box (see Figure 5-6) in which you can type a description for the report printout. Click the Save button to imprint the identifier on the printout. Cow Sense adds this notation as a subhead on the report. Click the Clear button to clear the title. Click the Cancel button to abort.

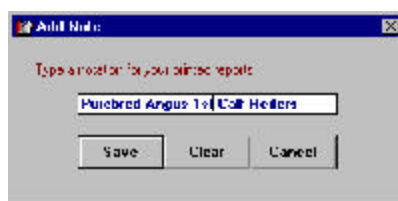


FIGURE 5-6.
THE ADD NOTES BOX.

SAVE-TO-EXPORT BUTTON

Use the Save-to-Export button (item J in Figure 5-1) to export Cow Sense Report data to a tab delimited text file (with a .txt extension) for importing into spreadsheet, word processing or database programs. When you click this button, Cow Sense will display a Export warning box. Click the Yes button to continue. Cow Sense will then display a Save File As window where you can choose a directory folder path and file name for your exported data file. The default path for saving exported Cow Sense data is c:\cowsense\export. Use standard Windows protocol to change directory paths if you want to save the file to a different folder. Type in a file name and click the OK button. Cow Sense will display a box asking if you want to keep the Cow Sense field headings. Click the Yes button if you do and the No button if you don't. Cow Sense will then display a message telling you whether or not your export was successful. Click the OK button.

To retrieve an exported file use Windows Explorer, or the File > Open command inside the program in which you wish you use the exported data. If you used the Cow Sense default folder for finding the exported file(s), you will find your tab delimited text file in the c:\cowsense\export folder; it will have a .txt extension.

TIP: IF YOU ADD A SUBHEAD TO A REPORT LAYOUT THAT YOU'VE SAVED, AND YOU DO NOT WANT THAT TITLE ON SUBSEQUENT REPORTS, FIRST PRINT THE REPORT, AND THEN CLICK THE ADD NOTE BUTTON AGAIN TO CALL UP THE ADD NOTE BOX AND REMOVE THE IDENTIFIER.

GLOBAL EDIT BUTTON

Use the Global Edit button (item K in Figure 5-1) to enter or edit the same data values on several records. Before you use the Global Edit feature, be sure to select the group of animal records you want to globally update by using the Select Button protocol (see the previous section in this chapter on Using Selecting and Sorting Tools).

To use the Global Edit feature, click the Global Edit button. Cow Sense will display a Global Edit window. Select the field you want to change by clicking on the Hot button in the Select Field for Changing box. Next use the radio buttons in the lower left box to define what values you want to change. You can choose either to Change All Values or Only a Specific Value. Finally, use the radio buttons in the lower right box to Replace the existing value (if any) or Append to the existing value. If you don't have a value to replace or append, it doesn't matter which option you choose.

For example, say you have defined Cow Group 2 (Enter Data > Define Groups) as "Pasture", and you want to change the pasture designation for a group of cows from "Smith West" to "West Hill". First open the Custom Cow report and click the Global Edit button. Click the Select Field for Changing Hot button and choose Pasture from the drop-down list. Next, in the Change box, select the Only Specific Value radio button to activate the Hot button in the Value field below; click on the Hot button and select Smith West from the drop-down list (you defined these pastures in Enter Data > Define Groups >> Cow). Now, because you are in a field with specific values, Cow Sense will have the Append to Existing Entry radio button deactivated in the Replace box. Click the Hot button in the field below the Replace/Append radio buttons, and select West Hill from the drop-down list. Now click the Apply Change button. Cow Sense will display a warning box showing you how many records you will be changing and giving you an option to proceed. Click the Yes button to proceed. Cow Sense will display a box telling you how many records were affected. Click the OK button.

COWS

Cow Sense provides powerful reporting capabilities for you to assess the performance of your cow herd. You can evaluate individual performance or compare the performance of different female groups.

INDIVIDUAL SUMMARY

The Individual Cow Summary report provides a complete history for one cow, including cumulative performance measures, editable remarks, and

access to all a cow's progeny, her pedigree and EPDs (Purebred mode only), and her own calf record if you had previously developed a Cow Sense calf record for her.

To access the Individual Cow Summary report, select **Reports > Cows > Individual Summary** from the main menu bar. Cow Sense will display the first cow record in your herd (see Figure 5-7). To select a different record, use the navigation tool bar or type another ID in the Cow ID field.

To print the Individual Cow Summary, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

Accessing Other Windows from the Individual Cow Summary

You can use the Enter, As Calf, Progeny and Pedigree buttons in the Individual Cow Summary window to open other windows related to a cow's record.

Enter

If you click the Enter button in the Individual Cow Summary window, you can pull up an Enter Individual Cow window [##] in which you can edit the cow's record. Use the Save button in the Enter Individual Cow window to save changes to an animal's record. Use the Close button in the Enter Individual Cow window to close the Enter Individual Cow window and return to the open Individual Cow Summary window.

As Calf

If you had entered a calf record for a cow, and that record resides in the open herd (**File > Open Herd**), you can open the cow's calf record by clicking the As Calf button in the Individual Cow Summary window.

To print the Individual (as) Calf Summary: Cow report, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

The screenshot shows the 'Individual Cow Summary' window. At the top, there's a navigation bar with 'All 104 Records' and 'Find All Records'. Below this, the 'Cow ID' field contains '8068'. To the right are buttons for 'Enter', 'As Calf', 'Progeny', and 'Pedigree'. The main area displays various fields: 'Breed' is 'Angus', 'Birth Date' is '1995-04-12', 'Cow Age' is '5', 'Date Acquired' is '1998-03-02', and 'Pains Weight' is '950'. There's a section for 'Lifetime Averages' with a table showing Birth, Weaning, and Yearling weights and ratios. Another table shows 'EPD' values for Birth, Weaning, and Yearling. At the bottom right, there's a 'Status' section with radio buttons for 'Active', 'Going', and 'Gone'.

Lifetime Averages	Birth	Weaning	Yearling	Ratio
Birth	79	85	96	
Weaning	868	824	116	
Yearling	1164	1251	112	
EPD				

EPD	Birth	Weaning	Yearling	Ratio
Birth	-.4	.28	.43	.9
Weaning	.3	.3	.11	.28

FIGURE 5-7.
THE INDIVIDUAL COW
SUMMARY REPORT WINDOW.

Progeny

To access a complete history of the cow's offspring, click the Progeny button and Cow Sense will display a Lifetime Production for Cow ID: ## report. This listing provides information for all the calves a cow has produced, including each calf's birth date, sex, sire ID, calving ease score, history (for example, 1 = "live calf"), weights and weight ratios. Also, you can click the Hot button on any animal's calf ID field and Cow Sense will pull up that calf's Individual Summary report. To return to the Individual Cow Summary from the Progeny report, click the Cow Summary button.

Pedigree

To view the cow's pedigree. (Purebred mode only) click the Pedigree button in the Individual Cow Summary window. Close this window by clicking the X in the upper right corner of the window.

Cow LISTING

The Cow: Listing report (see Figure 5-8) catalogues each cow in the herd (or all you've selected using query features) and lists her bangs tag, age,

origin, breed, and remarks. It also allows you to "mark" a record or records to define a query and it displays the average age of all cows in the herd or query.

To access the Cow: Listing report, select **Reports > Cows > Cow Listing** from

ID	Age	Sire	Dam	Breed	Remarks
0002				Red Hill Angus	Lot 1104 12/5/05-95394
0002	48/51	4818	4	34431 by 215	Angus
0002	48/51	4812	4	1999 by 11106/99	Angus
0004	48/51	4820	4	1982 by 11106/99	Angus
0006	48/51	4830	4	2139 by 11106/99	Angus
0006	48/51	4811	4	3228 by 11106/99	Angus
0008	48/51	4134	4	3370 by 13	Angus
0010	48/51	4120	4	3222 by 215	Angus
0011	48/51	4807	4	2200 by 11201/87	Angus
0012	48/51	4133	4	1130 by 11201/87	Angus
0015	48/51	4634	4	197 by 08	Angus
0025				Green Mountain	Angus
0046				Green Mountain	Angus
0051	48/51	2835	3	1180 by 95	Angus
0070	48/51	947	3	48 Angus	Angus
0070	48/51	781	4	48 Angus	Angus
0071	48/51	2839	3	9977 by 086	Angus

FIGURE 5-8.
THE COW LISTING REPORT
WINDOW.

TIP: YOU CAN ACCESS A DATA ENTRY WINDOW FOR ANY ANIMAL IN ANY COW REPORT (EXCEPT INDIVIDUAL SUMMARY) BY FIRST SELECTING **WINDOW > DATA ENTRY MODE** FROM THE MAIN MENU BAR, AND THEN CLICKING THE **HOT** BUTTON IN THE ANIMAL ID FIELD. SEE **DATA ENTRY MODE** IN CHAPTER 9 FOR MORE INFORMATION.

the main menu bar. Cow Sense will display all cows in the herd. You can select a certain group of cows (for example, cows within a certain age group) using the query features available when you click the Select button.

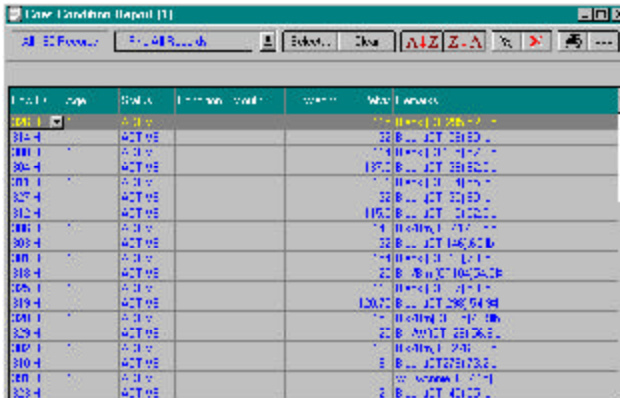
If you want to see an Individual Cow Summary for any cow in the list, click on that individual's Cow ID and then click the Hot button to the right of the ID. Cow Sense will take you to that cow's Individual Cow Summary unless you have **Window > Data Entry Mode** selected (see

Chapter 9). To print the Cow: Listing report, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

COW CONDITION

The Cow: Condition report (see Figure 5-9) lists the age, status, body condition, mouth, weight, pelvic area and remarks of each cow in the herd (or all you've selected using query features).

To access the Cow: Condition report, click **Re-ports > Cows > Cow Condition** from the main menu bar. Cow Sense will display all cows in the herd. You can select a certain group of cows (for example, cows within a certain age group) using the query features available when you click the Select button.



ID	Age	Status	Condition	Weight	Mouth	Pelvic Area	Remarks
312-4	...	ACTIVE
313-4	...	ACTIVE
314-4	...	ACTIVE
315-4	...	ACTIVE
316-4	...	ACTIVE
317-4	...	ACTIVE
318-4	...	ACTIVE
319-4	...	ACTIVE
320-4	...	ACTIVE
321-4	...	ACTIVE
322-4	...	ACTIVE
323-4	...	ACTIVE
324-4	...	ACTIVE
325-4	...	ACTIVE
326-4	...	ACTIVE
327-4	...	ACTIVE
328-4	...	ACTIVE
329-4	...	ACTIVE
330-4	...	ACTIVE
331-4	...	ACTIVE
332-4	...	ACTIVE
333-4	...	ACTIVE
334-4	...	ACTIVE
335-4	...	ACTIVE
336-4	...	ACTIVE
337-4	...	ACTIVE
338-4	...	ACTIVE
339-4	...	ACTIVE
340-4	...	ACTIVE
341-4	...	ACTIVE
342-4	...	ACTIVE
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368-4	...	ACTIVE
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370-4	...	ACTIVE
371-4	...	ACTIVE
372-4	...	ACTIVE
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387-4	...	ACTIVE
388-4	...	ACTIVE
389-4	...	ACTIVE
390-4	...	ACTIVE
391-4	...	ACTIVE
392-4	...	ACTIVE
393-4	...	ACTIVE
394-4	...	ACTIVE
395-4	...	ACTIVE
396-4	...	ACTIVE
397-4	...	ACTIVE
398-4	...	ACTIVE
399-4	...	ACTIVE
400-4	...	ACTIVE

FIGURE 5-9.
THE COW CONDITION
REPORT WINDOW.

If you want to see an Individual Cow Summary for any cow in the list, click on that individual's Cow ID and then click the Hot button to the right of the ID. Cow Sense will take you to that cow's Individual Cow Summary unless you have **Window > Data Entry Mode** selected (see Chapter 9). To print the Cow: Condition report, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

CALVING

The Cow: Calving report (see Figure 5-10) lists the age and location, number of calves born, average birth weight, adjusted birth weight and birth weight ratio of offspring, average calving interval and remarks of each cow in a herd or query. It also lists a herd average for birth weight, adjusted birth weight, birth weight ratio, calving interval, age, and number of calves born for all the cows in the query. (Weight information is not available in the Lite mode).

To access the Cow: Calving report, select **Reports > Cows > Calving** from the main menu bar. Cow Sense will display all cows in the herd.

FIGURE 5-10.
THE COW: CALVING REPORT
WINDOW.

Cow ID	Age	Cow Group	Calving Date	Age at Calving	Avg. Weaning Weight	Remarks
307-4	1					B... JCT 29023 36
308-4	1					B... JCT 29023 36
309-4	1					B... JCT 29023 36
310-4	1					B... JCT 29023 36
311-4	1					B... JCT 29023 36
312-4	1					B... JCT 29023 36
313-4	1					B... JCT 29023 36
314-4	1					B... JCT 29023 36
315-4	1					B... JCT 29023 36
316-4	1					B... JCT 29023 36
317-4	1					B... JCT 29023 36
318-4	1					B... JCT 29023 36
319-4	1					B... JCT 29023 36
320-4	1					B... JCT 29023 36
321-4	1					B... JCT 29023 36
322-4	1					B... JCT 29023 36
323-4	1					B... JCT 29023 36
324-4	1					B... JCT 29023 36
325-4	1					B... JCT 29023 36
326-4	1					B... JCT 29023 36
327-4	1					B... JCT 29023 36
328-4	1					B... JCT 29023 36
329-4	1					B... JCT 29023 36
330-4	1					B... JCT 29023 36

You can select a certain group of cows (for example, cows within a certain age group) using the query features available when you click the Select button.

If you want to see an Individual Cow Summary for

any cow in the list, click on that individual's Cow ID and then click the Hot button to the right of the ID. Cow Sense will take you to that cow's Individual Cow Summary unless you have **Window > Data Entry Mode** selected (see Chapter 9). To print the Cow: Listing, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

WEANING

In EZ-75, Commercial and Purebred modes, the Cow: Weaning report (see Figure 5-11) lists the age and location, number of calves weaned, average weaning weight, adjusted weaning weight and weaning weight ratio of offspring, cow MPPA and remarks

of each cow in a herd or query. It also lists a herd average for weaning weight, adjusted weaning weight, weaning weight ratio, cow MPPA, age, and number of calves weaned for all the cows in the query.

To access the Cow: Weaning report, select **Reports > Cows > Weaning** from the main menu bar. Cow Sense will display all cows in the

FIGURE 5-11.
THE COW: WEANING
REPORT WINDOW.

Cow ID	Age	Cow Group	Weaning Date	Age at Weaning	Avg. Weaning Weight	Adjusted Weaning Weight	Weaning Weight Ratio	MPPA	Remarks
307-4	1								B... JCT 29023 36
308-4	1								B... JCT 29023 36
309-4	1								B... JCT 29023 36
310-4	1								B... JCT 29023 36
311-4	1								B... JCT 29023 36
312-4	1								B... JCT 29023 36
313-4	1								B... JCT 29023 36
314-4	1								B... JCT 29023 36
315-4	1								B... JCT 29023 36
316-4	1								B... JCT 29023 36
317-4	1								B... JCT 29023 36
318-4	1								B... JCT 29023 36
319-4	1								B... JCT 29023 36
320-4	1								B... JCT 29023 36
321-4	1								B... JCT 29023 36
322-4	1								B... JCT 29023 36
323-4	1								B... JCT 29023 36
324-4	1								B... JCT 29023 36
325-4	1								B... JCT 29023 36
326-4	1								B... JCT 29023 36
327-4	1								B... JCT 29023 36
328-4	1								B... JCT 29023 36
329-4	1								B... JCT 29023 36
330-4	1								B... JCT 29023 36

herd. You can select a certain group of cows (for example, cows within a certain age group) using the query features available when you click the Select button.

If you want to see an Individual Cow Summary for any cow in the list, click on that individual's Cow ID and then click the Hot button to the right of the ID. Cow Sense will take you to that cow's Individual Cow Summary unless you have **Window > Data Entry Mode** selected (see Chapter 9). To print the Cow: Weaning report, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

YEARLING

In EZ-75, Commercial and Purebred modes, the Cow: Yearling report (see Figure 5-12) lists the age, cow group 1 (user-defined), average yearling weight, adjusted yearling weight and yearling weight ratio of offspring, and the number of yearlings

[illegible]

FIGURE 5-12.
THE COW: YEARLING
REPORT WINDOW

per cow of each cow in a herd or query. It also lists a herd average for yearling weight, adjusted yearling weight, yearling weight ratio, age, and number of yearling calves per cow for all the cows in the query.

To access the Cow: Yearling report, select **Reports > Cows > Yearling** from the main menu bar. Cow Sense will display all cows in the herd. You can select a certain group of cows (for example, cows within a certain age group) using the query features available when you click the **Select** button.

If you want to see an Individual Cow Summary for any cow in the list, click on that individual's Cow ID and then click the Hot button to the right of the ID. Cow Sense will take you to that cow's Individual Cow Summary unless you have **Window > Data Entry Mode** selected (see Chapter 9). To print the Cow: Yearling report, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

FIGURE 5-13.
THE COW: PERFORMANCE
REPORT WINDOW.

PERFORMANCE

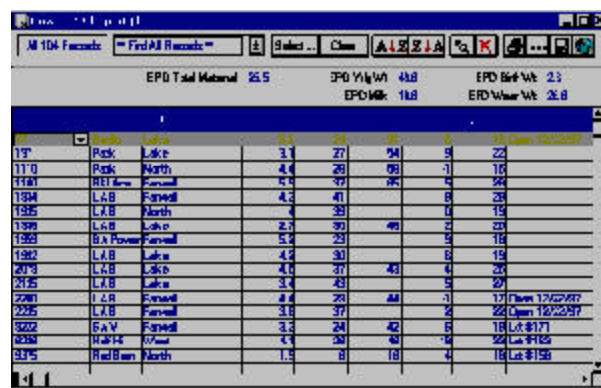
In EZ-75, Commercial and Purebred modes, the Cow: Performance report (see Figure 5-13) catalogues each cow in the herd (or all you've selected using query features) and lists her age, the average breeding interval, the average adjusted calf birth weaning and yearling weights, the cow MPPA, and the number of calves born to each cow.

To access the Cow: Performance report, select **Reports > Cows > Performance** from the main menu bar. Cow Sense will display all cows in the herd. You can select a certain group of cows (for example, cows within a certain age group) using the query features available when you click the Select button.

If you want to see an Individual Cow Summary for any cow in the list, click on that cow's Cow ID and then click the Hot button to the right of the ID. Cow Sense will take you to that cow's Individual Cow Summary unless you have **Window > Data Entry Mode** selected (see Chapter 9). To print the Cow: Performance report, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

EPD (PUREBRED MODE ONLY)

FIGURE 5-14.
THE COW: EPD REPORT
WINDOW.



Cow ID	Name	EPD Total Maternal	EPD Milk	EPD Birth Wt	EPD Wean Wt
117	Pack Lake	3.3	27	94	5
1170	Pack North	4.6	26	99	-1
1181	Red Sun	4.5	29	96	4
1304	L.A.B. Fenwick	4.3	41	8	26
1305	L.A.B. North	4	33	10	15
1309	L.A.B. Lake	2.3	30	49	2
1309	B.A. Power Fenwick	5.3	23	5	18
1302	L.A.B. Lake	4.3	30	8	15
2075	L.A.B. Lake	4.3	31	43	4
2125	L.A.B. Lake	3.4	43	5	27
2200	L.A.B. Fenwick	4.6	29	44	-1
2225	L.A.B. Fenwick	3.9	37	26	22
2222	B.A.V. Fenwick	3.3	24	42	8
2324	Wahki	4.1	30	40	14
2325	Red Sun North	1.5	8	18	4

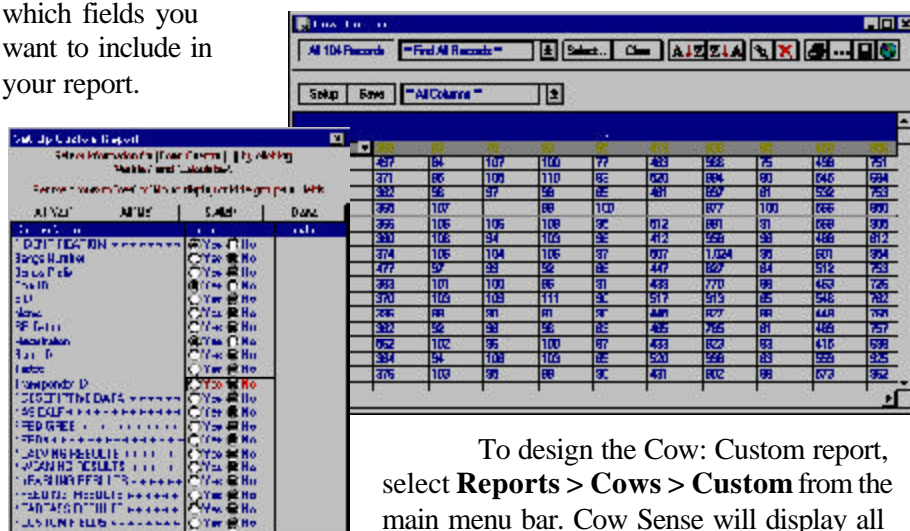
The Cow: EPD report (see Figure 5-14) lists cow group 1 (user-defined), poll status and remarks of each cow in a herd or query as well as each cow's total maternal, yearling weight, birth weight, milk and weaning weight EPDs.

To access the Cow: EPD report, select **Reports > Cows > EPD** from the main menu bar. Cow Sense will display all cows in the herd. You can select a certain group of cows (for example, cows within a certain age group) using the query features available when you click the Select button.

If you want to see an Individual Cow Summary for any cow in the list, click on that individual's Cow ID and then click the Hot button to the right of the ID. Cow Sense will take you to that cow's Individual Cow Summary unless you have **Window > Data Entry Mode** selected (see Chapter 9). To print the Cow: EPD report, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

CUSTOM

The Cow: Custom report, available in the Lite, Commercial and Purebred modes, starts with every available cow data field in Cow Sense. You then decide which fields you want to include in your report.



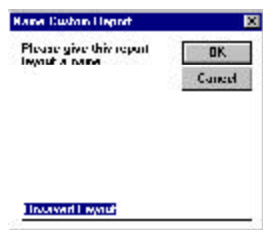
To design the Cow: Custom report, select **Reports > Cows > Custom** from the main menu bar. Cow Sense will display all cow records in the herd and all the data fields available (see Figure 5-15). Click the Setup button to access the Setup Custom Report window (see Figure 5-16) in order to select which fields you want in your report.

In the Setup Custom Report window field names are subcategorized under the major field categories of IDENTIFICATION, DESCRIPTIVE DATA, AS CALF, PEDIGREE, EPDs, CALVING RESULTS, WEANING RESULTS, YEARLING RESULTS, FEEDING RESULTS, CARCASS RESULTS, AND CUSTOM FIELDS. To view/select specific fields under these major categories, first open the category by

FIGURES 5-15 AND 5-16.
THE COW: CUSTOM REPORT
WINDOW AND THE SET UP
CUSTOM REPORT WINDOW.

Tip: YOU CAN NAVIGATE THROUGH THE SET UP CUSTOM REPORT LISTINGS USING THE ARROW UP AND ARROW DOWN KEYS ON YOUR KEYBOARD.

clicking the YES radio button (or pressing “Y” on your keyboard) of the major field category (for example, IDENTIFICATION). To select fields to include in your custom report, click the YES radio button on that field listing, or press “Y” on your keyboard (you can navigate up or down through the field listings by using the arrow up or down keys on the keyboard). If a field is turned on with a Yes radio button and you do not want it included, click the NO radio button or press “N” on your keyboard. If you only want a few columns in your report, click the All ‘No’ button and then click the YES button for the fields you want. If you want most of the available columns, click the All ‘Yes’ button and then click the NO button to select the columns you don’t want. If you decide to reverse your selection, click the Switch button. When you’re finished making your selection, click the Done button and Cow Sense will display your Cow: Custom window. If you want to save a custom report, click the Save button in the Cow: Custom Report window. Cow Sense will display a Name Custom



Report box (see Figure 5-17). Enter the name of the custom report and click the OK button. To retrieve a custom report that you saved previously, click the Hot button on the Saved Selections box (item A in Figure 5-1) and Cow Sense will display a drop-down list of all the saved custom reports. Scroll through the list to find the report you want.

As with the other reports, you can select a certain group of cows (for example, cows within a certain age group) using the query features available when you click the Select button.

To arrange columns in a different order, place your cursor over the title of the column (for example, Cow ID). Hold down the left mouse button. The cursor will change from the standard Windows arrow to a two-pronged arrow, and the entire column will highlight. Drag the two-pronged arrow cursor right or left to move the column to the desired location. You will see the column move as you drag it. Release the left mouse button to lock in the column’s new location. Cow Sense will preserve the column order you specify when you save your custom report.

If you want to see an Individual Cow Summary for any cow in the list, click on that cow’s Cow ID and then click the Hot button to the right of the ID. Cow Sense will take you to that cow’s Individual Cow Summary unless you have **Window > Data Entry Mode** selected (see Chapter 9). To print the Cow: Custom report, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

FIGURE 5-17.
THE NAME CUSTOM REPORT
BOX.

NOTE: THE NUMBER OF COLUMNS THAT WILL PRINT ON A CUSTOM REPORT IS DICTATED BY THE PRINTER AND THE SIZE OF PAPER YOU ARE USING. IF YOU USE A PRINTER THAT ONLY PRINTS STANDARD 8 ½ BY 11 LETTER, OR 8½ BY 14 LEGAL PAPER, YOU CAN GET MORE COLUMNS ON A REPORT BY PRINTING IN LANDSCAPE FORMAT. SEE THE PRINTER SETUP SECTION IN CHAPTER 3 FOR MORE INFORMATION.

BULLS

Cow Sense provides powerful reporting capabilities for you to assess the performance of your bulls. You can evaluate individual performance or compare the performance of bulls against others in your herd.

INDIVIDUAL SUMMARY

The Individual Bull Summary report provides a complete history for one bull, including cumulative performance measures, editable remarks, and access to all a bull's progeny, his pedigree (Purebred mode only) and his calf record (if you previously created one for him in Cow Sense).

The screenshot shows the 'Individual Bull Summary' window. At the top, there's a title bar and a menu bar with options like 'All Records', 'Print All Records', 'Enter', and 'Title'. Below this, a 'Bull ID' field is set to '1935'. The main area is divided into several sections: 'Bull Info' (Birth Date: 1997-03-26, Calfing Ease: 1, Calf History: 1), 'Pedigree' (Sire: 1461, Dam: 355.5), 'Performance' (ADG - Calf: 2.004, ADG - YTD: 4.000, Fries Score: 1.00), 'Weights' (Actual: 62, Adjusted: 62, Ratio: 1.00), 'Calf Info' (Calf ID: 1936, Calf Age: 10, Define Calf 1: 1 month, Define Bull 1: 1 month), 'Remarks' (Hard Ring: Come, 1 month: 1 month), 'Calf Record' (Calf ID: 1936, Calf Age: 10, Define Calf 1: 1 month, Define Bull 1: 1 month), 'Weaning' (Weaning: 1997-12-01, Weaning: 1998-04-02), 'EweFPO' (EweFPO: 42, EweFPO: 32), and 'Pedigree' (Pedigree: 1997-12-01, Pedigree: 1998-04-02). The window also includes a 'Print' button and a 'Title' field.

FIGURE 5-18. THE INDIVIDUAL BULL SUMMARY REPORT WINDOW.

To access the Individual Bull Summary report, select **Reports > Bulls > Individual Summary** from the main menu bar. Cow Sense will display the first bull record in your herd (see Figure 5-18). To select a different bull record, use the navigation tool bar or type a different ID in the Bull ID field. To print the Individual Bull Summary, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

Accessing Other Windows from the Individual Cow Summary

You can use the Enter, As Calf, Progeny and Pedigree buttons in the Individual Cow Summary window to open other windows related to a cow's record.

Enter

If you click the Enter button in the Individual Cow Summary window, you can pull up an Enter Individual Cow window [##] in which you can edit the cow's record. Use the Save button in the Enter Individual Cow window to save changes to an animal's record. Use the Close button in the

Enter Individual Cow window to close the Enter Individual Cow window and return to the open Individual Cow Summary window.

As Calf

If you had entered a calf record for a bull, and that record resides in the open herd (**File > Open Herd**), you can open the bull's calf record by clicking the As Calf button in the Individual Bull Summary window. To print the Individual (as) Calf Summary: Bull report, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

Access a Progeny Report

To access a complete history of the bull's offspring, click the Progeny button and Cow Sense will display a Lifetime Production for Bull ID: ## report. This listing provides information for all the calves a bull has produced, including each calf's birth date, sex, dam ID, calving ease score, history (for example, 1 = "live calf"), weights and weight ratios. Also, you can click the Hot button on any animal's calf ID field and Cow Sense will pull up that calf's Individual Summary report. To return to the Individual Bull Summary from the Progeny report, click the Bull Summary button).

Pedigree Report

To view the bull's pedigree (Purebred mode only), click the Pedigree button. Close this window by clicking the X in the upper right corner of the window.

BULL LISTING

The Bull: Listing report catalogues each bull in the herd (or all you've selected using query features) and his age, origin, bull group 1 (user-

defined. See **Enter Data > Define Groups**) and remarks. It also allows you to "mark" a record or records to define a query and it displays the average age of all bulls in the herd or query.

Bull ID	Age	Origin	Bull Group	Remarks
1111	2	Black Ranch	Black	Black Ranch 1111
1112	2	Black Ranch	Black	Black Ranch 1112
1113	2	Black Ranch	Black	Black Ranch 1113
1114	2	Black Ranch	Black	Black Ranch 1114
1115	2	Black Ranch	Black	Black Ranch 1115
1116	2	Black Ranch	Black	Black Ranch 1116
1117	2	Black Ranch	Black	Black Ranch 1117
1118	2	Black Ranch	Black	Black Ranch 1118
1119	2	Black Ranch	Black	Black Ranch 1119
1120	2	Black Ranch	Black	Black Ranch 1120
1121	2	Black Ranch	Black	Black Ranch 1121
1122	2	Black Ranch	Black	Black Ranch 1122
1123	2	Black Ranch	Black	Black Ranch 1123
1124	2	Black Ranch	Black	Black Ranch 1124
1125	2	Black Ranch	Black	Black Ranch 1125
1126	2	Black Ranch	Black	Black Ranch 1126
1127	2	Black Ranch	Black	Black Ranch 1127
1128	2	Black Ranch	Black	Black Ranch 1128
1129	2	Black Ranch	Black	Black Ranch 1129
1130	2	Black Ranch	Black	Black Ranch 1130

FIGURE 5-19.
THE BULL LISTING REPORT
WINDOW.

To access the Bull: Listing report, select **Reports > Bulls > Bull Listing** from the main menu bar. Cow Sense will display all bulls in the herd (see Figure 5-19). You can select a certain group of bulls (for example, heifer bulls) using the query features available when you click the Select button.

If you want to see an Individual Bull Summary for any bull in the list, click on that individual's Bull ID and then click the Hot button to the right of the ID. Cow Sense will take you to that bull's Individual Bull Summary unless you have **Window > Data Entry Mode** selected (see Chapter 9). To print the Bull: Listing, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

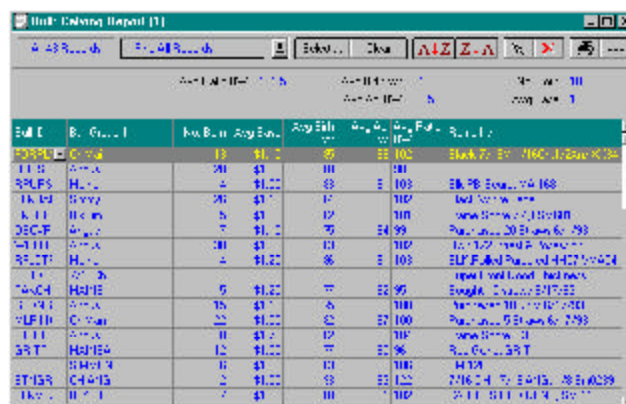
CALVING

The Bull: Calving report (see Figure 5-20) lists the bull group 1 (user defined), number of calves born, average calving ease, birth weight, adjusted birth weight and birth weight ratio of each bull's offspring, and remarks of each bull in a herd or query. It also lists a herd average for birth weight, adjusted birth weight, birth weight ratio (weight information is not available in Lite mode), number of calves born and average calving ease for all the bulls in the query.

To access the Bull: Calving report, select **Reports > Bulls > Calving** from the main menu bar. Cow Sense will display all bulls in the herd. You can select a certain group of bulls (for example, heifer bulls) using the query features available when you click the Select button.

If you want to see an Individual Bull Summary for any bull in the list, click on that individual's Bull ID and then click the Hot button to the right of the ID. Cow Sense will take you to that bull's Individual Bull Summary unless you have **Window > Data Entry Mode** selected (see Chapter

TIP: YOU CAN ACCESS A DATA ENTRY WINDOW FOR ANY ANIMAL IN ANY BULL REPORT (EXCEPT INDIVIDUAL SUMMARY) BY FIRST SELECTING **WINDOW > DATA ENTRY MODE** FROM THE MAIN MENU BAR, AND THEN CLICKING THE **HOT** BUTTON IN THE ANIMAL ID FIELD. SEE DATA ENTRY MODE IN CHAPTER 9 FOR MORE INFORMATION.



Bull ID	Bull Group	No. Calves Born	Avg Birth Wt.	Avg Calving Ease	Bull ID	Remarks
1111	Heifer	1	11.2	85	100	Black 70 100 100 100 100
1112	Heifer	1	11.2	85	100	Black 70 100 100 100 100
1113	Heifer	1	11.2	85	100	Black 70 100 100 100 100
1114	Heifer	1	11.2	85	100	Black 70 100 100 100 100
1115	Heifer	1	11.2	85	100	Black 70 100 100 100 100
1116	Heifer	1	11.2	85	100	Black 70 100 100 100 100
1117	Heifer	1	11.2	85	100	Black 70 100 100 100 100
1118	Heifer	1	11.2	85	100	Black 70 100 100 100 100
1119	Heifer	1	11.2	85	100	Black 70 100 100 100 100
1120	Heifer	1	11.2	85	100	Black 70 100 100 100 100
1121	Heifer	1	11.2	85	100	Black 70 100 100 100 100
1122	Heifer	1	11.2	85	100	Black 70 100 100 100 100
1123	Heifer	1	11.2	85	100	Black 70 100 100 100 100
1124	Heifer	1	11.2	85	100	Black 70 100 100 100 100
1125	Heifer	1	11.2	85	100	Black 70 100 100 100 100
1126	Heifer	1	11.2	85	100	Black 70 100 100 100 100
1127	Heifer	1	11.2	85	100	Black 70 100 100 100 100
1128	Heifer	1	11.2	85	100	Black 70 100 100 100 100
1129	Heifer	1	11.2	85	100	Black 70 100 100 100 100
1130	Heifer	1	11.2	85	100	Black 70 100 100 100 100

FIGURE 5-20.
THE BULL CALVING REPORT WINDOW.

9). To print the Bull: Calving report, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

WEANING

FIGURE 5-21.
THE BULL WEANING REPORT
WINDOW.

Bull ID	Bull Group	Calves Weaned	Avg Weaning Weight	Avg Weaning Weight Ratio	Remarks
100000	Group 1	10	600	1.00	
100001	Group 1	10	600	1.00	
100002	Group 1	10	600	1.00	
100003	Group 1	10	600	1.00	
100004	Group 1	10	600	1.00	
100005	Group 1	10	600	1.00	
100006	Group 1	10	600	1.00	
100007	Group 1	10	600	1.00	
100008	Group 1	10	600	1.00	
100009	Group 1	10	600	1.00	
100010	Group 1	10	600	1.00	
100011	Group 1	10	600	1.00	
100012	Group 1	10	600	1.00	
100013	Group 1	10	600	1.00	
100014	Group 1	10	600	1.00	
100015	Group 1	10	600	1.00	
100016	Group 1	10	600	1.00	
100017	Group 1	10	600	1.00	
100018	Group 1	10	600	1.00	
100019	Group 1	10	600	1.00	
100020	Group 1	10	600	1.00	

In EZ-75, Lite and Commercial modes, the Bull: Weaning report (see Figure 5-21) lists the bull group 1 (user defined. See **Enter Data > Define Groups**), number of calves weaned, average weaning weight, adjusted weaning weight and weaning weight ratio

of each bull's offspring, and remarks of each bull in a herd or query. It also lists a herd average for weaning weight, adjusted weaning weight, weaning weight ratio, as well as the number of calves weaned for all the bulls in the query.

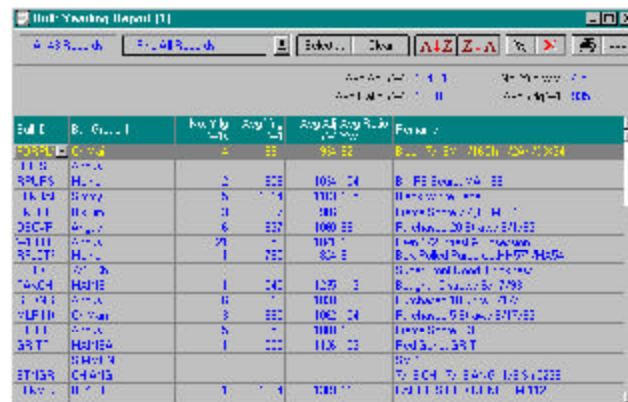
To access the Bull: Weaning report, select **Reports > Bulls > Weaning** from the main menu bar. Cow Sense will display all bulls in the herd. To access the Bull: Weaning report, click Reports from the drop-down menu. Click Bulls > Weaning. Cow Sense will display all bulls in the herd. You can select a certain group of bulls (for example, low birth weight bulls) using the query features available when you click the Select button.

If you want to see an Individual Bull Summary for any bull in the list, click on that individual's Bull ID and then click the Hot button to the right of the ID. Cow Sense will take you to that bull's Individual Bull Summary unless you have **Window > Data Entry Mode** selected (see Chapter 9). To print the Bull: Weaning report, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

YEARLING

In EZ-75, Commercial and Purebred modes, the Bull: Yearling report (see Figure 5-22) lists the bull group 1 (user defined; see **Enter Data > Define Groups**), number of calves with yearling weights, average yearling

weight, adjusted yearling weight and yearling weight ratio of each bull's offspring, and remarks of each bull in a herd or query. It also lists a herd average for yearling weight, adjusted yearling weight, yearling weight ratio and number of yearling weights for all the bulls in the query.



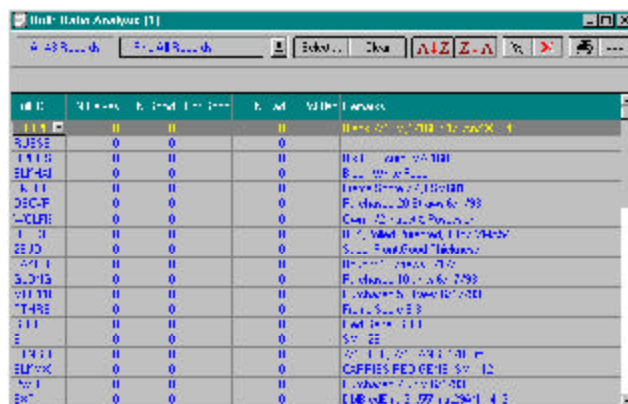
Bull ID	B. Group	Birth Wt	Adj. Wt	Adj. Wt Ratio	Remarks
1111	HEIF	2	828	1036.24	B. FE Exam 10/10/00
1112	HEIF	2	828	1036.24	B. FE Exam 10/10/00
1113	HEIF	2	828	1036.24	B. FE Exam 10/10/00
1114	HEIF	2	828	1036.24	B. FE Exam 10/10/00
1115	HEIF	2	828	1036.24	B. FE Exam 10/10/00
1116	HEIF	2	828	1036.24	B. FE Exam 10/10/00
1117	HEIF	2	828	1036.24	B. FE Exam 10/10/00
1118	HEIF	2	828	1036.24	B. FE Exam 10/10/00
1119	HEIF	2	828	1036.24	B. FE Exam 10/10/00
1120	HEIF	2	828	1036.24	B. FE Exam 10/10/00

FIGURE 5-22.
THE BULL YEARLING
REPORT WINDOW.

To access the Bull: Yearling report, select **Reports > Bulls > Yearling** from the main menu bar. Cow Sense will display all bulls in the herd. You can select a certain group of bulls (for example, heifer bulls) using the query features available when you click the Select button.

If you want to see an Individual Bull Summary for any bull in the list, click on that individual's Bull ID and then click the Hot button to the right of the ID. Cow Sense will take you to that bull's Individual Bull Summary unless you have **Window > Data Entry Mode** selected (see Chapter 9). To print the Bull: Yearling report, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

RATIO ANALYSIS



Bull ID	Ratio	Ratio	Ratio	Ratio	Remarks
1111	0	0	0	0	B. FE Exam 10/10/00
1112	0	0	0	0	B. FE Exam 10/10/00
1113	0	0	0	0	B. FE Exam 10/10/00
1114	0	0	0	0	B. FE Exam 10/10/00
1115	0	0	0	0	B. FE Exam 10/10/00
1116	0	0	0	0	B. FE Exam 10/10/00
1117	0	0	0	0	B. FE Exam 10/10/00
1118	0	0	0	0	B. FE Exam 10/10/00
1119	0	0	0	0	B. FE Exam 10/10/00
1120	0	0	0	0	B. FE Exam 10/10/00

The Bull: Ratio Analysis report (see Figure 5-23) summarizes the performance of each bull based on all the calves for which birth weight and weaning weight ratios are available. “Good” means that a calf’s adjusted birth weight was *below*

FIGURE 5-23.
THE BULL RATIO ANALYSIS
REPORT WINDOW.

the group average and its adjusted weaning weight was *above* the group average. “Bad” means that a calf’s adjusted birth weight was *above* the group average and its adjusted weaning weight was *below* the group average. This report lists the total number of calves for each bull and displays the number of “good” calves, the percent of “good” calves, the number of “bad” calves and the percent of “bad” calves for each bull. It also lists any remarks.

To access the Bull: Ratio Analysis report, select **Reports > Bulls > Ratio Analysis** from the main menu bar. Cow Sense will display all bulls in the herd. You can select a certain group of bulls (for example, low birth weight bulls) using the query features available when you click the Select button.

If you want to see an Individual Bull Summary for any bull in the list, click on that individual’s Bull ID and then click the Hot button to the right of the ID. Cow Sense will take you to that bull’s Individual Bull Summary unless you have **Window > Data Entry Mode** selected (see Chapter 9). To print the Bull: Ratio Analysis report, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

COMBINED RATIOS

FIGURE 5-24.
THE BULL COMBINED
RATIOS REPORT WINDOW.

Bull ID	Birth Weight	Weaning Weight	Remarks
100	100	100	100
101	101	101	101
102	102	102	102
103	103	103	103
104	104	104	104
105	105	105	105
106	106	106	106
107	107	107	107
108	108	108	108
109	109	109	109
110	110	110	110

The Bull: Combined Ratio report (see Figure 5-24) lists the average birth, weaning and yearling weight ratios for each bull’s progeny in a herd or query. It also lists remarks for each bull and it displays the average yearling weight, average

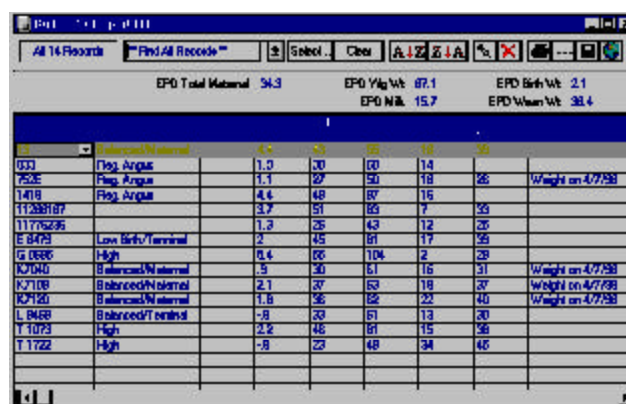
weaning weight, and average birth weight ratios for all bulls in a query. To access the Bull: Ratio Analysis report, select **Reports > Bulls > Combined Ratios** from the main menu bar. Cow Sense will display all bulls in the herd. You can select a certain group of bulls (for example, low birth weight bulls) using the query features available when you click the Select button.

If you want to see an Individual Bull Summary for any bull in the list, click on that individual’s Bull ID and then click the Hot button to the

right of the ID. Cow Sense will take you to that bull's Individual Bull Summary, unless you have **Window > Data Entry Mode** selected (see Chapter 9). To print the Bull: Combined Ratios Report, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

EPD

The Bull: EPD report (see Figure 5-25) lists the bull group 1 (user-defined. See **Enter Data > Define Groups**), poll status and remarks of each bull in a herd or query as well as listing each bull's birth, weaning, yearling weight, milk and total maternal EPDs.



ID	Name	Type	EPD Birth Wt	EPD Wean Wt	EPD Yearling Wt	EPD Milk	EPD Total Maternal
033	Flag Angus	1.0	30	10	14		
052E	Flag Angus	1.1	27	50	18	26	Weight on 4/7/98
1418	Flag Angus	4.4	48	87	16		
11288187		3.7	51	85	7		
11775295		1.3	25	43	12	26	
E 8479	Low Birth/Terminal	2	45	81	17	56	
G 8696	High	8.4	86	104	2	28	
K01040	Balanced/Maternal	.9	30	51	16	31	Weight on 4/7/98
K01100	Balanced/Maternal	2.1	37	62	18	37	Weight on 4/7/98
K01120	Balanced/Maternal	1.6	36	62	22	40	Weight on 4/7/98
L 8468	Balanced/Terminal	-.8	30	61	13	20	
T 1073	High	2.2	46	81	15	56	
T 1722	High	-.8	23	48	34	45	

FIGURE 5-25.
THE BULL EPD REPORT
WINDOW.

To access the Bull: EPD report, select **Reports > Bulls > EPD** from the main menu bar. Cow Sense will display all bulls in the herd. You can select a certain group of bulls (for example, heifer bulls) using the query features available when you click the Select button.

If you want to see an Individual Bull Summary for any bull in the list, click on that individual's Bull ID and then click the Hot button to the right of the ID. Cow Sense will take you to that bull's Individual Bull Summary unless you have **Window > Data Entry Mode** selected (see Chapter 9). To print the Bull: EPD report, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

SEMEN INVENTORY

This report gives an account of semen inventory for all bulls identified as AI or Both (AI and Herd Bull) in the Type field of the Enter Bulls window (see Figures 5-26 and 5-27).

If you do not specify a date range (by turning on the Specify Date Range field), Cow Sense will list all semen inventory transactions for all production cycles. To specify a date range, click on the Specify Date Range box, and type date values inside the accompanying date fields. To print Bull:

Semen Inventory reports, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

You have two viewing options for the Semen Inventory report.

Without Transaction Detail View

This view lists only the Lot and Bull Totals for each semen inventory record. See Figure 5-26.

- ***Bull ID.*** You can have more than one listing per bull. The number of listings per bull is dependent on the number of Lots you assign to a bull in the **Enter Data > Bulls > Semen Inventory** data entry window (see Chapter 4).
- ***Lot.*** Each time you enter a Lot number for new semen inventory (whether you purchase straws or collect them on-site) for a bull, Cow Sense creates a new semen record for that Lot. If you do not specify a lot number when you enter a semen record in the **Enter Data > Bulls > Semen Inventory** data entry window (see Chapter 4), the value in this field will be “(none)”.

FIGURE 5-31.
THE SEMEN INVENTORY
REPORT WINDOW WITHOUT
TRANSACTION DETAIL.

All 14 Records		Find All Records		3	Select ...	Clear	
Refresh		<input type="checkbox"/> Show Turnover Detail		<input checked="" type="checkbox"/> Specify Date Range		1998-06-30 To 2000-06-30	
13	Journal	LOT TOTAL	2000-09-30	0	0	1	1
13		BULL TOTAL	2000-09-30	0	0	1	1
123	25A-W1111	LOT TOTAL	2000-09-30	0	100	0	100
123	Journal	LOT TOTAL	2000-09-30	0	0	1	1
702		BULL TOTAL	2000-09-30	0	100	1	100
1418	25A-W1425	LOT TOTAL	2000-09-30	10	0	0	10
1418		BULL TOTAL	2000-09-30	10	0	0	10
E 5478	25A-W1415	LOT TOTAL	2000-09-30	0	0	0	0
E 5478		BULL TOTAL	2000-09-30	0	0	0	0
E 5485	25A-W1261	LOT TOTAL	2000-09-30	0	50	0	50
E 5485		BULL TOTAL	2000-09-30	0	20	0	20
E 5490		BULL TOTAL	2000-09-30	0	100	0	100
E 5490	25A-W1115	LOT TOTAL	2000-09-30	0	100	0	100
E 5490		BULL TOTAL	2000-09-30	0	100	0	100
E 5490	25A-W1115	LOT TOTAL	2000-09-30	0	100	0	100
E 5490		BULL TOTAL	2000-09-30	0	100	0	100
E 5490	25A-W1114	LOT TOTAL	2000-09-30	0	100	0	100
E 5490		BULL TOTAL	2000-09-30	0	100	0	100
E 5490	14A-W1851	LOT TOTAL	2000-09-30	20	0	0	20

With Transaction Detail

This view lists all transactions associated with each semen inventory record. See Figure 5-27.

- **Transaction.** Each time you enter a different transaction for a Lot of semen, Cow Sense adds a line to this report. The transaction types include Purchase, Sale, Adjust, Use, and Count. For a description of the different Lot types, see the Bull Semen Inventory section of

Chapter 3. The Semen Inventory Report also shows the total straws available per lot (LOT TOTAL) and per bull (BULL TOTAL).

- *Date*. The Date field corresponds to the information in the Transaction field.
- *Start*. The number in this field refers to the starting number of straws available per lot (LOT TOTAL) or per bull (BULL TOTAL).
- *In*. The number in this field refers to the number per lot (LOT TOTAL) or per bull (BULL TOTAL) that you add to the inventory.
- *Out*. The number in this field refers to the number per lot (LOT TOTAL) or per bull (BULL TOTAL) that you subtract from the inventory.
- *End Count*. The number in this field refers to the ending number of straws available per lot (LOT TOTAL) or per bull (BULL TOTAL). It is the net result of the In number and the Out number.

ID	Name	Transaction	Date	In	Out	End Count
13	(none)	Breeding Usage	1998-05-03	0	0	1
13	(none)	LOT TOTAL	2000-06-30	0	0	1
13	(none)	BULL TOTAL	2000-06-30	0	0	1
755E	25A41111	Purchase	1999-04-15	0	100	0
755E	25A41111	LOT TOTAL	2000-06-30	0	100	0
755E	(none)	Breeding Usage	1999-04-30	0	0	1
755E	(none)	LOT TOTAL	2000-06-30	0	0	1
755E	(none)	BULL TOTAL	2000-06-30	0	100	1
141B	25A41425	LOT TOTAL	2000-06-30	10	0	0
141B	(none)	BULL TOTAL	2000-06-30	10	0	0
E 6425	25A41415	LOT TOTAL	2000-06-30	50	0	0
E 6425	(none)	BULL TOTAL	2000-06-30	50	0	0
E 0590	25A41261	Purchase	1999-06-01	0	20	0
E 0595	25A41561	LOT TOTAL	2000-06-30	0	20	0

FIGURE 5-27.
THE SEMEN INVENTORY
REPORT WINDOW WITH
TRANSACTION DETAIL.

Custom

In Lite Commercial and Purebred modes, the Bull: Custom report starts with every available bull data field in Cow Sense. You then decide which fields you want in your report.

To design the Bull: Custom report, select **Reports > Bulls > Custom** from the main menu bar. Cow Sense will display all bull records in the herd and all the data fields available (see Figure 5-28). Click the Setup button to access the Setup Custom Report window (see Figure 5-29) in order to select which fields you want in your report.

In the Setup Custom Report window field names are subcategorized under the major field categories of IDENTIFICATION, DESCRIPTIVE DATA, AS CALF,

FIGURES 5-28 AND 5-29.
THE BULL: CUSTOM REPORT
WINDOW AND THE SET UP
CUSTOM REPORT WINDOW.

Cow	1.00	1.01	05	07	07	4.70	0.01	02	4.00	7.00
1033	1.10	1.01	1.00	1.13	01	7.71	1.150	05	6.25	5.00
7632	1.10	09	1.01	09	04	6.07	0.71	00	4.87	0.11
1418										
11328107	1.00	1.01		07	03	5.05	0.74	07	2.08	
11776206										
10645	1.10	1.05	1.02	1.10	01	6.06	1.057	00	6.52	
60909	1.00	1.04	1.10	1.11	01	6.45	0.70	01	6.00	
10240	1.10	06	1.01	03	04	6.27	0.70	00	2.04	
67109	1.10	1.00	1.03	09	05	6.06	0.70	00	6.01	
17120	1.10	05	05	1.02	05	6.06	0.41	00	2.06	
19463	2.07	1.12	1.00	02	07	6.06	0.70	01	6.04	
Y1095	1.10	1.05	00	07	03	6.45	1.025	00	2.00	
T1722	1.10	09	1.01	1.05	05	6.08	0.92	00	5.70	

PEDIGREE, EPDs,
CALVING RESULTS,
WEANING RESULTS,
YEARLING RESULTS,

Name	All Yes	All No	Switch	Done
IDENTIFICATION	<input checked="" type="radio"/>	<input type="radio"/>	<input type="button" value="Switch"/>	<input type="button" value="Done"/>
PEDIGREE	<input checked="" type="radio"/>	<input type="radio"/>	<input type="button" value="Switch"/>	<input type="button" value="Done"/>
EPDs	<input checked="" type="radio"/>	<input type="radio"/>	<input type="button" value="Switch"/>	<input type="button" value="Done"/>
CALVING RESULTS	<input checked="" type="radio"/>	<input type="radio"/>	<input type="button" value="Switch"/>	<input type="button" value="Done"/>
WEANING RESULTS	<input checked="" type="radio"/>	<input type="radio"/>	<input type="button" value="Switch"/>	<input type="button" value="Done"/>
YEARLING RESULTS	<input checked="" type="radio"/>	<input type="radio"/>	<input type="button" value="Switch"/>	<input type="button" value="Done"/>
FEEDING RESULTS	<input checked="" type="radio"/>	<input type="radio"/>	<input type="button" value="Switch"/>	<input type="button" value="Done"/>
CARCASS RESULTS	<input checked="" type="radio"/>	<input type="radio"/>	<input type="button" value="Switch"/>	<input type="button" value="Done"/>
CUSTOM FIELDS	<input checked="" type="radio"/>	<input type="radio"/>	<input type="button" value="Switch"/>	<input type="button" value="Done"/>

TIP: YOU CAN NAVIGATE
THROUGH THE SET UP
CUSTOM REPORT LISTINGS
USING THE ARROW UP AND
ARROW DOWN KEYS ON YOUR
KEYBOARD.

FEEDING RESULTS, CARCASS RESULTS, AND
CUSTOM FIELDS. To view/select specific fields
under these major categories, first open the
category by clicking the YES radio button (or
pressing “Y” on your keyboard) of the major
field category (for example, IDENTIFICATION).

To select a field to include in your custom report, click the YES radio button
on that field listing or press “Y” on your keyboard (you can navigate up or
down through the field listings by using the arrow up or down keys on the
keyboard). If a field is turned on with a Yes radio button and you do not want
it included, click the NO radio button or press “N” on your keyboard. If you
only want a few columns in your report, click the All ‘No’ button and then
click the YES button for the fields you want. If you want most of the available
columns, click the All ‘Yes’ button and then click the NO button to select the
columns you don’t want. If you want to reverse your selection, click the
Switch button. When you’re finished making your selection, click the Done
button and Cow Sense will display your Bull: Custom window. If you want
to save a custom report, click the Save button in the Bull: Custom Report

window (see Figure 5-30). Cow Sense will display a
Name Custom Report box. Enter the name of the
custom report and click the OK button. To retrieve a
custom report that you saved previously, click the
Hot button on the Saved Selections box (item A in
Figure 5-1) and Cow Sense will display a drop-down
list of all the saved custom reports. Scroll through
the list to find the report you want.

FIGURE 5-30.
THE NAME CUSTOM REPORT
BOX.

Please give this report
a name

OK Cancel

As with the other reports, you can select a certain group of bulls (for example, mature cow bulls) using the query features available when you click the Select button.

To arrange columns in a different order, place your cursor over the title of the column (for example, Bull ID). Hold down the left mouse button. The cursor will change from the standard Windows arrow to a two-pronged arrow, and the entire column will highlight. Drag the two-pronged arrow cursor right or left to move the column to the desired location. You will see the column move as you drag it. Release the left mouse button to lock in the column's new location. Cow Sense will preserve the column order you specify when you save your custom report.

If you want to see an Individual Bull Summary for any bull in the list, click on that individual's Bull ID and then click the Hot button to the right of the ID. Cow Sense will take you to that bull's Individual Cow Summary. To print the Bull: Custom report, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

CALVES

Cow Sense provides extensive reports for all calf crops, or production cycles. These reports are powerful tools for measuring herd performance and for making year-to-year comparisons.

INDIVIDUAL SUMMARY

The Individual Calf Summary report (see Figure 5-31) provides a complete history for one calf, including his pedigree (Purebred mode only) and editable remarks.

To access the Individual Calf Summary report, select **Reports > Calves > Individual Summary** from the main menu bar. Cow Sense will display the first calf record in your database for the current

Note: THE NUMBER OF COLUMNS THAT WILL PRINT ON A CUSTOM REPORT IS DICTATED BY THE PRINTER AND THE SIZE OF PAPER YOU ARE USING. IF YOU USE A PRINTER THAT ONLY PRINTS STANDARD 8 1/2 BY 11 LETTER, OR 8 1/2 BY 14 LEGAL PAPER, YOU CAN GET MORE COLUMNS ON A REPORT BY PRINTING IN LANDSCAPE FORMAT. SEE THE PRINTER SETUP SECTION IN CHAPTER 3 FOR MORE INFORMATION.

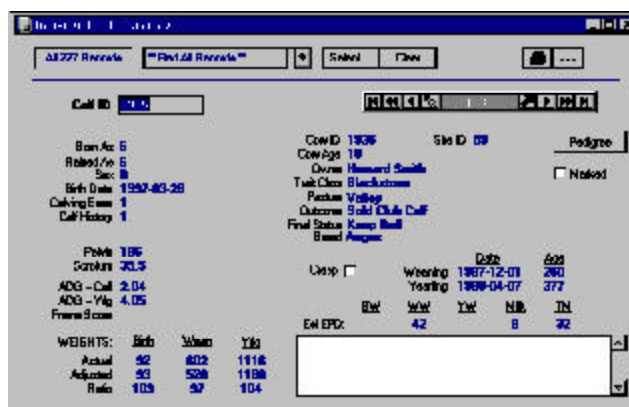


FIGURE 5-31.
THE INDIVIDUAL CALF
SUMMARY REPORT WINDOW.

production cycle. To select a different calf record, use the navigation tool bar or type a different ID in the Calf ID field.

To view the calf's pedigree (Purebred r mode), click the Pedigree button. To print the Individual Calf Summary, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

CALVING

Calf ID	Birth Date	Birth Weight	Adjusted Birth Weight	Adjusted Birth Weight Ratio	Remarks
7		220	8		
7		2145	2		
7	1887-03-21	187	6	99	
7		215	5		
7		2226	2		
7		225	5		
7	1887-03-21	1806	10	99	
7		213	4		
7		210	4		
7	1959-03-21	222	5	99	
7		223	2		
7	1959-03-21	1992	5	99	
6	1887-03-21	2143	2	99	
7		214	2		
7		2111	2		
7		224	5		

The Calf: Calving report (see Figure 5-32) catalogues each calf in the herd for the current production cycle (or all you've selected using query features) and the calf's history code (whether alive or dead), sex, birth date, calving ease

score, dam, dam age, sire, and remarks. It also allows you to "mark" a record to define a query.

To access the Calf: Calving report, select **Reports > Calves > Calving** from the main menu bar. Cow Sense will display all calves in the herd. You can select a certain group of calves (for example, all heifer calves) using the query features available when you click the Select button.

If you want to see an Individual Calf Summary for any calf in the list, click on that individual's Calf ID and then click the Hot button to the right of the ID. Cow Sense will take you to that calf's Individual Calf Summary. To print the Calf: Calving report, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

BIRTH WEIGHT

In the Commercial and Purebred modes only, the Calf: Birth Weight report (see Figure 5-33) catalogues each calf in the herd for the current production cycle (or all you've selected using query features) and the calf's sex, dam, age of dam, sire, birth weight, adjusted birth weight, adjusted birth weight ratio and remarks. It also gives an average dam age for all calves in the herd or query.

FIGURE 5-32.
THE CALF: CALVING REPORT.

NOTE: COW SENSE WILL NOT GENERATE THE CALF: BIRTH WEIGHT REPORT UNTIL YOU RUN THE CALVING UPDATE IN **MAINTENANCE > CURRENT CYCLE > CALVING UPDATE** (SEE CHAPTER 7). YOU ALSO MUST HAVE THE **USE BIRTH WEIGHTS** CHECK BOX ACTIVATED IN **MAINTENANCE > ADMINISTRATION > SETUP > ENTRY OPTIONS** (SEE CHAPTER 7) IN ORDER TO PRODUCE THIS REPORT.

To access the Calf: Weaning Weight report, select **Reports > Calves > Weaning Weight** from the main menu bar. Cow Sense will display all calves in the herd. You can select a certain group of calves (for example, calves by a certain bull) using the query features available when you click the Select button.

If you want to see an Individual Calf Summary for any calf in the list, click on that individual's Calf ID and then click the Hot button to the right of the ID. Cow Sense will take you to that calf's Individual Calf Summary. To print the Calf: Weaning Weight report, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

YEARLING WEIGHT

FIGURE 5-35.
THE CALF: YEARLING
WEIGHT REPORT.

ID	Sex	Dam	Age of Dam	Sire	Yearling Weight	Age at Yearling Weight	Average Daily Gain	Adjusted Yearling Weight	Adjusted Yearling Weight Ratio	Remarks
97700W	H	977 OF K017	2	K7109	313	0.09	GW			
98079	B	9807	2	000						
98185	H	9818	2	000						
ET 77	B	9747	3	E 6A75						
ET 80001	B	9707	3	000						
HT110	H	1110	10	750E						
H1330	B	1330	14	750E						
EB375	H	375	3	750E						
H0003	B	0003	7	750E						
H0510	H	0510	8	750E						
H0508	H	0508	8	750E						
H0510	B	0510	8	750E						
H0714	H	0714	4	750E						
H0904	B	0904	3	750E						
H0813	B	0813	3	750E						
H0820	H	0820	3	750E						

NOTE: COW SENSE WILL NOT GENERATE THE CALF: YEARLING WEIGHT REPORT UNTIL YOU RUN THE WEANING UPDATE IN **MAINTENANCE > CURRENT CYCLE > CALVING UPDATE** (SEE CHAPTER 7). YOU ALSO MUST HAVE THE USE YEARLING WEIGHTS CHECK BOX ACTIVATED IN **MAINTENANCE > ADMINISTRATION > SETUP > ENTRY OPTIONS** (SEE CHAPTER 7) IN ORDER TO PRODUCE THIS REPORT.

In EZ-75, Commercial and Purebred modes, the Calf: Yearling Weight report (see Figure 5-35) catalogues each calf in the herd for the current production cycle (or all you've selected using query features) and the calf's sex, dam, age of dam, sire, yearling weight, age at yearling weight date, average daily gain, adjusted yearling weight, adjusted yearling weight ratio and remarks. It also gives an average for dam age, yearling weight, adjusted yearling weight adjusted yearling weight ratio, average daily gain, and calf age at yearling weight date for all the calves in the herd or query.

To access the Calf: Yearling Weight report, select **Reports > Calves > Individual Summary** from the main menu bar.. Cow Sense will display all calves in the herd. You can select a certain group of calves (for example, calves by a certain bull) using the query features available when you click the Select button.

If you want to see an Individual Calf Summary for any calf listed, click on that individual's Calf ID and then click the Hot button to the right of the ID. Cow Sense will take you to that calf's Individual Calf Summary.

To print the Calf: Yearling Weight report, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

CURRENT TABLES

Calving Distribution

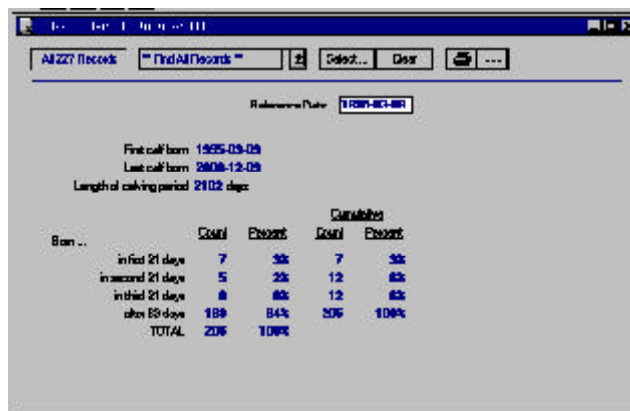


FIGURE 5-36.
THE TABLE: CALVING
DISTRIBUTION REPORT
WINDOW.

TIP: YOU CAN SELECT ANY SUBGROUP FROM THE CALVING DISTRIBUTION REPORT TO DEVELOP A MORE SELECTIVE REPORT. FOR EXAMPLE, TO DETERMINE BREED-BACK ON LAST YEAR'S FIRST CALF HEIFERS, CLICK THE SELECT BUTTON AND QUERY FOR DAM AGE = 3. THE RESULTING CALVING DISTRIBUTION WILL INDICATE HOW WELL THAT SUBGROUP IS BREEDING BACK.

The Table: Calving Distribution report (see Figure 5-36) summarizes calving dates in 21-day periods for the current production cycle. Cow Sense automatically uses the date for the first calf born as the reference date, but you can override that by typing a new date in the Reference Date field at the top of the report window. The report lists the date of the first calf born and the date of the last calf born; it breaks down the number of calves born and the percent of the calf crop in four 21-day intervals.

To access the Table: Calving Distribution report, select **Reports > Calves > Current Tables > Calving Distribution** from the main menu bar. You can select a certain group of calves (for example, calves by a certain bull) using the query features available when you click the Select button.

To print the Table: Calving Distribution report, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

Calving Ease

The Table: Calving Ease report (see Figure 5-37) summarizes the number and percent of calving assists you had in the current production cycle.

FIGURE 5-37.
THE TABLE: CALVING EASE
REPORT WINDOW.

CALVING EASE COUNT FOR:	Count	Percent
Code 1. Unassisted	106	90.7%
Code 2. Easy Pull	16	7.3%
Code 3. Hard Pull	2	1.8%
Code 4. Cesarean	1	0.8%
Code 5. Abnormal Delivery	1	0.8%
TOTAL	205	100.0%

To access the Table: Calving Ease report, select **Reports > Calves > Current Tables > Calving Ease** from the main menu bar. You can select a certain group of calves (for example, calves by a certain bull) using the query features available when you click the Select button.

To print the Table: Calving Ease report, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

Birth Weight

In EZ-75, Commercial and Purebred modes, the Table: Birth Weight report (see Figure 5-38) lists the actual birth weight and adjusted birth weight of all the calves in the current production cycle or in a query. It breaks down weights by heifers, bulls and all.

FIGURE 5-38.
THE TABLE: BIRTH WEIGHT
REPORT WINDOW.

BIRTH WEIGHTS FOR:	Heifer	Bull	All
Actual Weight	78	80	82
Adj. Birth Weight	86	88	87
Count	84	112	196

To access the Table: Birth Weight report, select **Reports > Calves > Current Tables > Birth Weight** from the main menu bar. You can select a certain group of calves (for example, calves by a certain bull) using the query features available when you click the Select button. To print the Table: Birth Weight report, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

Weaning Weight

In EZ-75, Commercial and Purebred modes, the Table: Weaning Weight report (see Figure 5-39) lists the actual weaning weight and adjusted 205-day weight of all the calves in the current production cycle or in a query. It breaks down weights by heifers, steers, bulls and all.



	Heifers	Steers	Bulls	All
Actual Weight	525	528	618	554
Adj. 205 Weight	680	575	619	606
Count	57	33	44	138

FIGURE 5-39.
THE TABLE: WEANING
WEIGHT REPORT WINDOW.

To access the Table: Weaning Weight report, select **Reports > Calves > Current Tables > Weaning Weight** from the main menu bar. You can select a certain group of calves (for example, calves by a certain bull) using the query features available when you click the Select button. To print the Table: Weaning Weight report, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

Yearling Weight

In EZ-75, Commercial and Purebred modes, the Table: Yearling Weight report (see Figure 5-40) lists the actual yearling weight and adjusted 365-day weight of all the calves in the current production cycle or in a query. It breaks down weights by heifers, steers, bulls and all.

To access the Table: Yearling Weight report, select **Reports > Calves > Current Tables > Yearling Weight** from the main menu bar. You can select a certain group of calves (for example, calves based on cow age) using the query features available when you click the Select button. To print

If you want to see an Individual Calf Summary for any calf in the list, click on that individual's Calf ID and then click the Hot button to the right of the ID. Cow Sense will take you to that calf's Individual Calf Summary. To print the Calf: Ratio Summary report, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

PRODUCTION SUMMARY

In EZ-75, Commercial and Purebred modes, the Current Production Summary report (see Figure 5-42) displays an actual count and a percentage of the herd for total cows exposed, open cows, abortions, and exposed cows that died or were sold. It lists actual count and percentages for total cows calved, multiples and births, weaning calf losses, live calves weaned, calves lost after weaning and total yearlings. It also itemizes actual numbers and percentages for weaning calf losses, the sex of live calves and assisted births, plus it reports actual and adjusted birth, weaning and yearling weights, total pounds weaned and pounds weaned per cow exposed.

Calving Percentage:		Count	Percent	Weaning Calf Losses:		Count	Percent
Total cows exposed		224	100%	Lost at weaning	2	2%	
H Open Cows		25	12%	Lost before weaning	1	1%	
(-) Abortions		1	0%	Lost after weaning	0	0%	
(-) Cows Sold or Died		0	0%	Total	3	100%	
(+) Total cows calved		198	88%	Sex, Live Calves:			
(-) Multiples and Births		4	2%	Holsteins	80	64%	
(-) Weaning calf losses		3	1%	Steers	42	22%	
(+) Live calves weaned		192	96%	Bulls	60	34%	
(-) Lost after weaning		0	0%	Total	182	100%	
(+) Yearlings		192	86%	Assisted Births:	18	10%	
Weight:	Birth	Weaning	Yearling				
Actual	82	166	176				
Adjusted	87	160	147				
				Total Pounds Weaned 107,391 (net.)			
				Pounds Weaned/Cow Exposed 481 (net.)			

FIGURE 5-42.
THE CURRENT PRODUCTION
SUMMARY REPORT WINDOW.

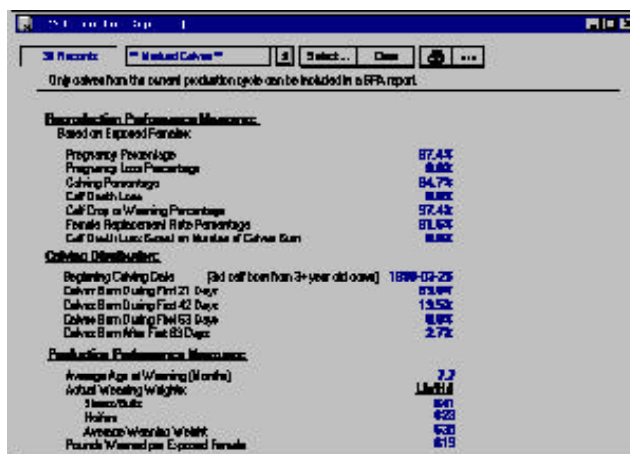
To access the Current Production Summary report, select **Reports > Calves > Production Summary** from the main menu bar. Cow Sense will display all calves in the herd. You can select a certain group of calves (for example, calves by a certain bull) using the query features available when you click the Select button. To print the Current Production Summary report, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

SPA PRODUCTION REPORT

In the Commercial and Purebred modes only, the SPA Production report summarizes herd performance measures in the format used by the Standardized Performance Analysis program for the current production

cycle. See Figure 5-43. These values may be combined with independent SPA financial analysis for a very detailed account of your operation and a comparison of your operation to other operations across the country. For more information about Cow Calf and SPA, refer to the glossary in the User's Guide as well as the Adobe Acrobat file titled SPA.pdf (from the main menu, select **Help > SPA Guidelines**).

FIGURE 5-43.
THE SPA PRODUCTION
REPORT WINDOW.



To access the SPA Production report, select **Reports > Calves > SPA Production Report** from the main menu bar. You can select a certain group of animals using the query features available when you click the Select button. To print the SPA Production report, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

CUSTOM

The Calf: Custom report starts with every available Calf data field in Cow Sense. You then decide which fields you want in your report.

To design the Calf: Custom report, select **Reports > Calves > Custom** from the main menu bar. Cow Sense will display all calves in the herd and all the data fields available (see Figure 5-44). Click the Setup button to access the Setup Custom Report window (see Figure 5-45) in order to select which fields you want in your report.

In the Setup Custom Report window field names are subcategorized under the major field categories of IDENTIFICATION, DESCRIPTION, BREEDING, CALVING RESULTS, WEANING RESULTS, YEARLING RESULTS, EPDs, FEEDING RESULTS, CARCASS RESULTS, AND CUSTOM FIELDS. To view/select specific fields

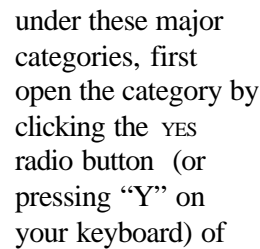
[illegible]

FIGURE 5-46.
THE NAME CUSTOM REPORT
BOX.

As with the other reports, you can select a certain group of calves (for example, all heifer calves) using the query features available when you click the **Select** button.

NOTE: THE NUMBER OF COLUMNS THAT WILL PRINT ON A CUSTOM REPORT IS DICTATED BY THE PRINTER AND THE SIZE OF PAPER YOU ARE USING. IF YOU USE A PRINTER THAT ONLY PRINTS STANDARD 8 ½ BY 11 LETTER, OR 8½ BY 14 LEGAL PAPER, YOU CAN GET MORE COLUMNS ON A REPORT BY PRINTING IN LANDSCAPE FORMAT. SEE THE PRINTER SETUP SECTION IN CHAPTER 3 FOR MORE INFORMATION.

To arrange columns in a different order, place your cursor over the title of the column (for example, Calf ID). Hold down the left mouse button. The cursor will change from the standard Windows arrow to a two-pronged arrow, and the entire column will highlight. Drag the two-pronged arrow cursor right or left to move the column to the desired location. You will see the column move as you drag it. Release the left mouse button to lock in the column's new location. Cow Sense will preserve the column order you specify when you save your custom report.

If you want to see an Individual Calf Summary for any calf in the list, click on that animal's Calf ID and then click the Hot button to the right of the ID. Cow Sense will take you to that calf's Individual Calf Summary. To print the Calf: Custom report, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

BREEDING

Cow Sense provides two standard breeding reports, Natural Breeding and AI Breeding, as well as allowing you to create custom breeding reports.

To print the Breeding reports, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

NATURAL BREEDING

FIGURE 5-47.
THE NATURAL BREEDING
REPORT WINDOW.

Calf ID	Sire	In Date	Out Date	Remarks	Calving Date
1999	Natural K710E	1999-11-20	2000-01-20		Na
1995	Natural K710E	1999-11-20	2000-01-20		Na
1906	Natural K704E	1999-09-25	1999-09-16		Na
9205	Natural K710E	1999-11-20	2000-01-20		Na
8403	Natural K710E	1999-11-20	2000-01-20		Na
9510	Natural K710E	1999-11-20	2000-01-20		Na
8608	Natural K710E	1999-11-20	2000-01-20		Na
9510	Natural K710E	1999-11-20	2000-01-20		Na
8714	Natural K710E	1999-11-20	2000-01-20		Na
9504	Natural K710E	1999-11-20	2000-01-20		Na
9919	Natural K710E	1999-11-20	2000-01-20		Na
9560	Natural K710E	1999-11-20	2000-01-20		Na

The Natural Breeding report (see Figure 5-47) catalogues each cow bred to a herd bull in the open production cycle. It lists the Sire to which she was bred, the bull In and Out dates, Remarks, and estimated Calving Dates based on the bull In and Out dates.

To access the Breeding: Natural report, select **Reports > Breeding > Natural Breeding** from the main menu bar. Cow Sense will display the Natural Breeding report. Use the query functions (available by clicking the Select button) to view/print a report on specific cows. You can access each cow's Individual Cow Summary report by clicking the Hot button next to her Cow ID.

AI BREEDING

The AI Breeding report (see Figure 5-48) catalogues each cow that was artificially inseminated with semen from an AI bull in the open production cycle. It lists the Sire to which she was bred, the AI Date, the

Cow ID	Sire	AI Date	Semen Inventory	Notes	Hot
1556	AI E 6475	1999-03-25	2000-01-02	1	No
1836	AI E 6478	1999-09-01	2000-03-08	1	No
1926	AI 11255169	1999-05-16	2000-02-15	1	No
187	AI E 6478	1999-03-26	2000-01-02	1	No
2126	AI E 6475	1999-03-25	2000-01-02	1	No
77	AI E 6478	1999-03-26	2000-01-02	1	No
77	AI 7574	1999-03-31	2000-01-02	1	No
22017	AI E 6475	1999-03-25	2000-01-02	1	No
8008	AI E 6478	1999-03-26	2000-01-02	1	No
2002	AI E 6475	1999-03-25	2000-01-02	1	No
8006	AI E 6478	1999-03-26	2000-01-02	1	No
5635	AI E 6475	1999-03-25	2000-01-02	1	No
86711	AI E 6478	1999-03-26	2000-01-02	1	No
56361	AI E 6475	1999-03-25	2000-01-02	1	No
87011	AI E 6478	1999-03-26	2000-01-02	1	No
50260	AI E 6475	1999-03-25	2000-01-02	1	No
87043	AI E 6478	1999-03-26	2000-01-02	1	No
59710	AI E 6475	1999-03-25	2000-01-02	1	No

FIGURE 5-48.
THE AI BREEDING REPORT
WINDOW.

number of AI Straws used, the Technician who performed the procedure, the Semen Inventory on the bull, Notes, and the Earliest Calving date based on the AI Date.

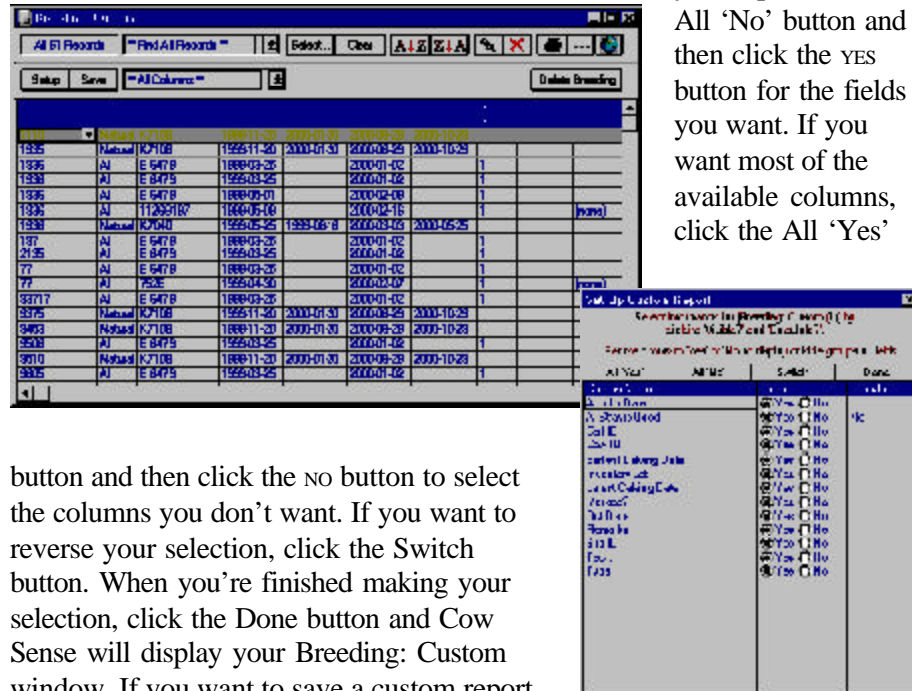
To access the Breeding: AI report, select **Reports > Breeding > AI Breeding** from the menu bar. Cow Sense will display the AI Breeding report. Use the query functions (available by clicking the Select button) to view/print a report on specific cows. You can access each cow's Individual Cow Summary report by clicking the Hot button next to her Cow ID.

CUSTOM

The Breeding: Custom report starts with every available cow breeding event—both natural service and artificial insemination—in Cow Sense. You then decide which fields you want in your report.

To design the Breeding: Custom report, select **Reports > Breeding > Custom** from the main menu bar. Cow Sense will display all cows in the herd and all the data fields available (see Figure 5-49). Click the Setup button to access the Setup Custom Report window (see Figure 5-50) in order to select which fields you want in your report.

your report, click the All 'No' button and then click the YES button for the fields you want. If you want most of the available columns, click the All 'Yes'



button and then click the NO button to select the columns you don't want. If you want to reverse your selection, click the Switch button. When you're finished making your selection, click the Done button and Cow Sense will display your Breeding: Custom window. If you want to save a custom report, click the Save button in the Breeding: Custom Report window. Cow Sense will display a Name Custom Report box (see Figure 5-51). Enter the name of the custom report and click the OK button. To retrieve a custom report that you saved previously, click the Hot button on the Saved Selections box (box A in Figure 5-1) and Cow Sense will display a drop-down list of all the saved custom reports. Scroll through the list to find the report you want.

As with the other reports, you can select a certain group of cows (for example, all natural cover cows) using the query features available when you click the **Select** button.

To arrange columns in a different order, place your cursor over the title of the column (for example,

FIGURE 5-51.
THE NAME CUSTOM REPORT
BOX.



Cow ID). Hold down the left mouse button. The cursor will change from the standard Windows arrow to a two-pronged arrow, and the entire column will highlight. Drag the two-pronged arrow cursor right or left to move the column to the desired location. You will see the column move as you drag it. Release the left mouse button to lock in the column's new location. Cow Sense will preserve the column order you specify when you save your custom report.

If you want to see an Individual Cow Summary for any cow in the list, click on that individual's Cow ID and then click the Hot button to the right of the ID. Cow Sense will take you to that cow's Individual Calf Summary.

To print the Breeding: Custom report, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

HERD HEALTH

Cow Sense provides four options for generating treatment reports. The Treatments report lists all treatments performed for a whole herd, including cows, calves and bulls. The Calf, Cow and Bull Treatments reports list treatments on the three respective groups.

Treatments Report

The Treatments report lists treatments by treatment ID and provides information on the date, veterinarian and notes of each treatment.

To access the Treatments report, which shows treatments for all animals in a herd, select **Reports > Health > Treatments** from the main menu bar. Cow Sense will display a Treatments window (see Figure 5-52).

You can select a certain group of animals using the query features available when you click the Select button.

Treatment product and procedure detail appears on printed reports.

Treatment ID	Date	Veterinarian	Notes	Status
B7 Bldg Treatment	1997-05-17			No
Branding 39	1999-06-30			No
Branding 39	1999-05-01	Flanah	This is for all calf groups worked in 1999	No
Prog Guard	1999-06-01	Flanah		No
Branding 38	1998-05-15	Flanah	Admin. to all cows that have calved	No
Washing 1800	1999-10-16	Flanah	Admin. to all calves at branding	No
	2000-06-14			No
	2000-06-14			No
	2000-06-14			No

Note: THE NUMBER OF COLUMNS THAT WILL PRINT ON A CUSTOM REPORT IS DICTATED BY THE PRINTER AND THE SIZE OF PAPER YOU ARE USING. IF YOU USE A PRINTER THAT ONLY PRINTS STANDARD 8 1/2 BY 11 LETTER, OR 8 1/2 BY 14 LEGAL PAPER, YOU CAN GET MORE COLUMNS ON A REPORT BY PRINTING IN LANDSCAPE FORMAT. SEE THE PRINTER SETUP SECTION IN CHAPTER 3 FOR MORE INFORMATION.

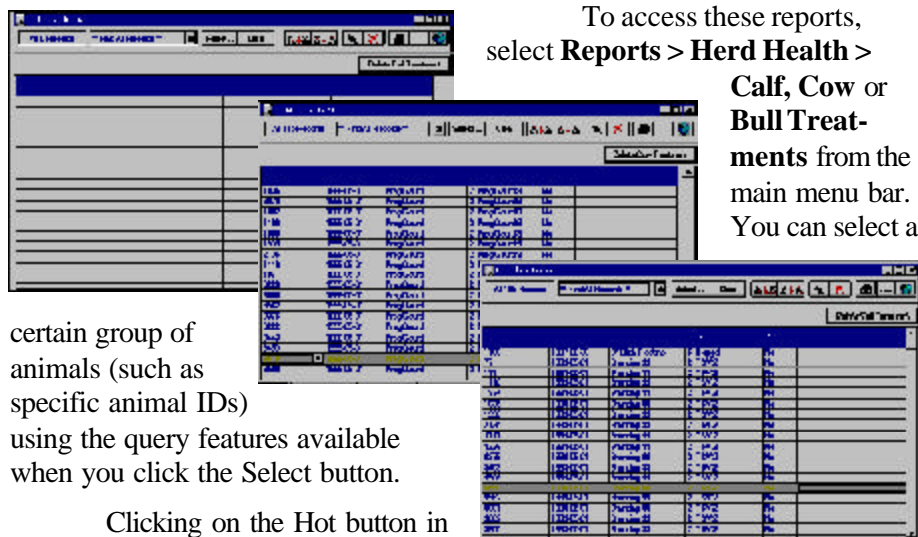
FIGURE 5-52.
THE TREATMENTS REPORT WINDOW.

To print the Treatments report, click the Printer icon button. If you want to add a subtitle to the printed report, click the Title [...] button.

CALF, COW AND BULL TREATMENTS REPORTS

The Calf, Cow and Bull Treatments reports (see Figures 5-53 to 5-55) list treatments by calf ID, Cow ID or Bull ID respectively (not sorted), and provides information on the date, treatment identifier, and notes of each treatment.

FIGURES 5-58, 5-59
AND 5-60.
THE BULL, COW AND CALF
TREATMENTS REPORT
WINDOWS RESPECTIVELY.



To access these reports,
select **Reports > Herd Health >**
Calf, Cow or
Bull Treat-
ments from the
main menu bar.
You can select a

certain group of
animals (such as
specific animal IDs)
using the query features available
when you click the Select button.

Clicking on the Hot button in
the animal ID field (Calf ID, Cow ID
or Bull ID) opens the Individual (Calf, Cow, Bull) Summary window for that
record. Clicking on the Hot button in the Identifier window opens up the
Treatment Entry window for that record.

The Delete Calf, Cow, Bull Treatment Button

You can permanently delete any or all treatments in the Calf, Cow
and Bull Treatments window by clicking on the Delete... Treatment button.
To delete one treatment, be sure you highlight it by clicking on that row.
Then click the Delete ... Treatment button. Cow Sense will ask you if you
want to delete the currently selected treatment, all treatments or cancel. Click
the appropriate button to proceed. Remember once you delete a treatment(s),
they will be permanently removed from your database.

To print these Treatment reports, click the Printer icon button. If you
want to add a subtitle to the printed report, click the Title [...] button.

Tip: To see an animal's
individual summary,
click the **Hot** button in
the animal ID field. To
see a specific treatment
regimen for an animal,
click the **Hot** button in
the identifier field.

MATCH

In Cow Sense, each set of records (cows, bulls, calves, breedings, and treatments) is in a table. The Match function allows you to relate information from one table (calf, cow, bull, breeding or treatment) to another table. When you match, Cow Sense lets you select records from one table (say, Calves) based on information that is only available in a different table (say, Cows).

Here are a few instances where you can use the Match function:

- You want to select replacement heifers from cows in your herd that have an average calving interval of less than 365 days.
- You want to establish AI bulls from your herd whose average birth weight ratios are less than 100 and their daughters have produced calves that have graded Choice.
- You want to sell replacement heifers out of cows that have specified EPD values.

When Cow Sense “matches” data, it uses query criteria from one table and *marks* records in another table.

To use the Match function, determine what information you want from what table. Use the Report menu to open the table on which you want to base your selection criteria; you will use the Marking features (push pin, red X and the Marked? column) so you will be able to work best in listings rather than individual animal summaries. In order to get a clean start, select ****Find All Records**** in the Saved Selection box (item A in Figure 5-1). Then use the red X button (item G in Figure 5-1) to unmark all records. Next narrow the number of records in your table by specifying desired criteria using the query functions that are available when you click the Select button. After you have OKed your query, use the push pin button (item F in Figure 5-1) to mark all records in the queried table. *This will be the “FROM” table when you use the Match command.*

When you’re ready to match, select **Reports > Match** from the main menu bar. Select the table *from which* you have established a search criteria (Cows, Bulls, Calves, Breeding, Treatments) and then select the table *to which* those criteria apply (Calves, Treatments, Breeding, Cows, Bulls). Cow Sense will then *mark* all records in the “outcome” table based on the selection criteria you established in the first table.

Open up the outcome table, refine your selection using query tools to achieve a final report.

Tip: SEE THE MATCH

EXAMPLE ON THE FOLLOWING PAGE TO DISCOVER HOW COW SENSE RELATES INFORMATION IN ONE TABLE TO ANOTHER TABLE. NOTE THAT MATCH DOES NOT ALLOW YOU TO MIX DATA IN A REPORT FROM TWO DIFFERENT TABLES. SEE THE GLOSSARY FOR A DEFINITION OF A TABLE.

REPORT MATCH EX-

AMPLE: YOU WANT TO
SELECT REPLACEMENT
HEIFERS THAT WERE BORN IN
2001 (IN THIS EXAMPLE, THE
COHORT START DATE IS 4/1/
2001), ARE OUT OF COWS
WITH AN MPPA GREATER
THAN 100 AND A AVERAGE
CALF BIRTH WEIGHT RATIO
OF LESS THAN 100.

Open the Cow Table.

1. Select **Reports > Cows > Cow Listing** from the main menu bar.
2. Click on the Hot button in the Saved Selection box and select ****Find All Records****.
3. Unmark all records using the red X button.
4. Click the Select button to open up the query box. In the Find Record Where section, click the Hot button on the Field Name box and select "MPPA". Click the Hot button in the Relational Operator box and select "Is Greater Than". Type "100" in the Definition box. Click the Hot button in the Logical Operator box and select "And". In the Field Name box on the second row, select "Avg Ratio BW". In the Relational Operator box select "Is Less Than". In the Definition box type "100". Click the OK button.
5. In the Cow Listing window, Cow Sense will display all cow records meeting your query criteria.
6. Use the Push pin button to mark all of those records.

Use the Match function to sort calves based on cow criteria

1. Select **Reports > Match > From Cows > To Calves**. If some of the outcome table records are marked, Cow Sense will alert you that it needs to unmark those records. Click the Yes button to proceed.
2. Cow Sense will mark all calf records in all production cycles that meet the MPPA = 100 and Average Birth Weight Ratio <100 criteria.

Open the Calf Table

1. Select **Reports > Calves > Calving** from the main menu bar.
2. Find all marked heifer calf records for the specified production cycle. Click the Select button. In the Find Records Where section, click the Hot button on the Field Name box and select "Sex" from the drop-down list. Click the Hot button in the Relational Operator box and select "Begins With". Type "H" in the Definition box to select all heifer calves. In the Logical Operator box, click the Hot button and select "And". In the Field name box on the second row, select "Marked?" In the Relational Operator box confirm that the selection is "Equals". In the Definition box confirm that the selection is "Yes". This will select only marked calves (marked to meet the MPPA/birth weight ratio criteria). In the Logical Operator box, click the Hot button and select "And". In the Field name box on the third row, select "Cohort Start Date" In the Relational Operator box confirm that the selection is "Equals". In the Definition box type 4-1-2001 to select only calves born in 2001. Click the Save button, and then click the OK button. Give your table a name.
3. Cow Sense will provide a new table with all heifer calves born in 2001 whose dams have met the criteria of an MPPA = 100 and Average Calf Birth Weight Ratio of <100 pounds.
4. Print the report to take to the field.