

dairydata

Dairy Recording System

Reference and Technical Manual

Version 4.2

Documentation and Software by **farm**data Limited

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Preface

This document describes how Dairydata for Windows, the Dairy Cow and Youngstock Recording System produced by Farmdata Limited, operates. The system runs on the Windows 95 and above operating system. It will not run on Windows 3.1 & 3.11

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Related Documents.

Windows Manual.

Windows Tutorial.

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INTRODUCTION

I 1 What the System does

Welcome to Dairydata for Windows. The program described in this manual is one of the Farmdata family of computerised management information systems for agricultural businesses.

Dairydata uses the power of a computer to record and organise the complex information which accumulates during the life of an animal and presents it in an easy to read format.

Once the information is entered it can be edited at any time. The full information is retained for all time or until you decide to delete it.

I 2 The information it needs

From the recording point of view, the Dairydata system requires no more daily input than you would enter onto manual stock recording and production sheets.

Initially there is a bit of work involved in setting up the system with animals lactations, locations, drugs, health and subsidy information unique to your farm.

Day to day entry of milk yield, quality, stock purchases and sales, services and calvings, along with what you do to the stock will produce all of the basic information you will require thereafter.

I 3 The information it can provide

Run at its simplest the system will provide a milk recording, calving, purchase and sale record as well as stock on the farm at any time. You can however run it at much more detailed levels.

The forms for all Subsidy and Premium claims can be printed by the system and the record of all claims held. Detailed fertility, service and feed records are held. The Movement Book (both internal and external) is maintained. The Health book is available. Any number of weighings can be recorded for each animal. Purchase and sale price are recorded as well as weights and grades, this allows margins and daily liveweight gain to be calculated. Electronic Tags can be used for data capture and registrations and movements e-mailed direct to BCMS.

The reporting flexibility is particularly useful. There are a series of preset reports within the system but any information held on an animal record can be produced in report formats you can create yourself.

Full Historical information is held in complete detail. There is no summarising in a History section. All details are retained for reference.

I 4 Finding your way around

The program is written in 'Microsoft Visual Basic' to run in the 'Microsoft Windows' operating system. This gives it all the flexibility, function and utility now available with this type of programming. It is designed to be used with the mouse and to have the minimum of keyboard input.

Clicking into one option on the screen will often take you to another screen with further options. You may need to take time at first to find out where everything is. If you go into the wrong option, simply exit out again and you will be back to the previous stage.

Within a screen you should use the Tab Key to move between data fields, not the return key. Shift + Tab goes back through the fields.

If a field has a box with a down arrow at the end, it has a predefined list from which to pick. Once in the field you can scroll down the list and select the required item. Alternatively type the first letter of the item you wish, this will give you the first item with this initial letter. Press the same letter again to move to the next item on the list with that initial letter.

If a field has a box with three dots in it at the end this button can be used to add an option to the list.

I 5 If you get Stuck

Something somewhere is sure to catch you out. It is often just a matter of taking a step back to the previous section and starting again.

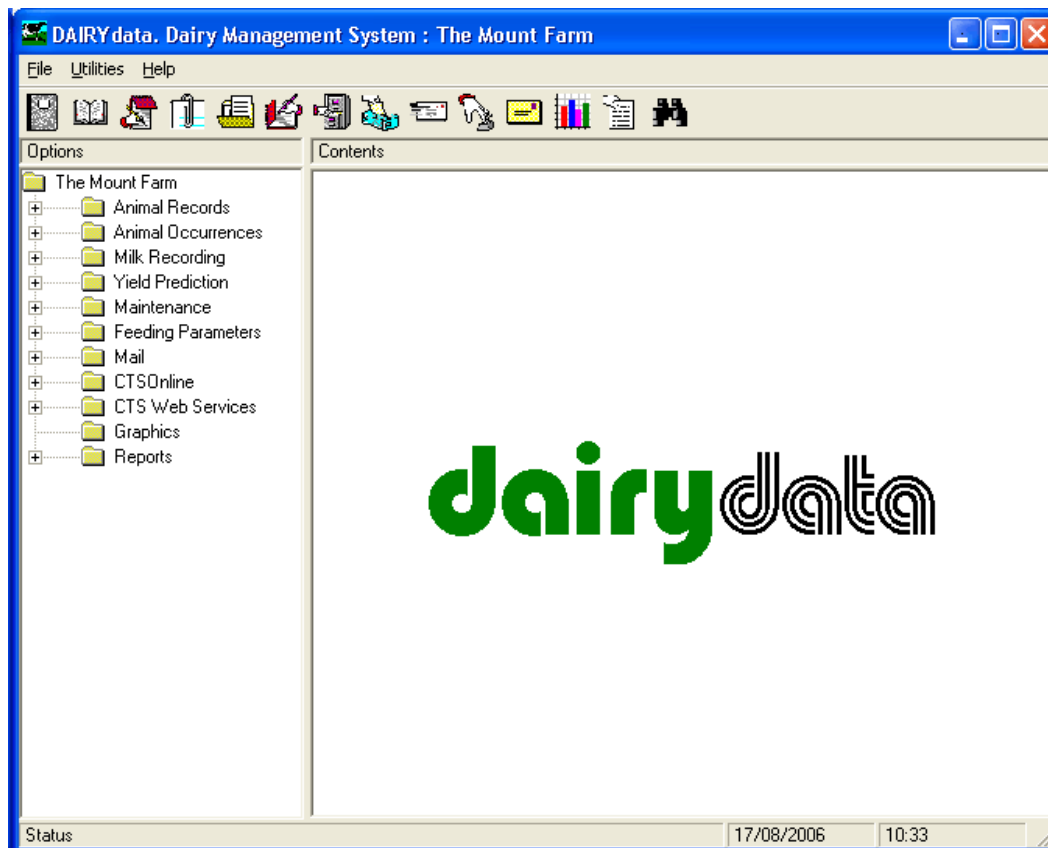
Switching the machine off is never a good option but it is unlikely that you would cause real damage if you did. You are likely to lose any unsaved entries which will have to be re-entered.

Should you get totally stuck you can call up Farmdata's help line which is manned during office hours for assistance.

It is absolutely necessary that you take regular backups of your work. (See Appendix C for more information on backup routines). You should keep at least three sets of backup and use them in rotation. Set A should be used on Day 1, Set B on Day 2, Set C on Day 3 and on day 4 you should return to Set A. You should also format your Backup disks from time to time to ensure their continuing good condition. Should all else fail Farmdata can resurrect your system from your backup if it is correctly done.

Each of the sections shown in the Screen below is explained in an individual chapter. They are headed:

- 1. Maintenance**
- 2. Animal Records**
- 3. Milk Recording**
- 4. Animal Occurrences**
- 5. Yield Prediction**
- 6. Feed Parameters**
- 7. Reports**
- 8. Mail**
- 9. CTS Online**
- 10. CTS Web Services**
- 11. Graphics**



Each of these sections can contain a number of further options, each of these is described in a numbered section within the chapter. Each option available within a section is described in the order in which it appears. Each option is listed then its operation described.

The three drop down menus contain the following options:

A File

(i) Change Business

This option allows you to change from one business to another. A list of available Businesses is displayed from which you choose the one that you require (using the mouse or arrow keys) and then click OK or Enter to confirm your choice and return to the main menu. Each business is a unique herd on its own with no connection to any other business.

(ii) New Business

This option allows the creation of a New Business on the system. The information required at this point consists of Business Name, Address, Telephone and Fax Number, CPH Number and Password, if required. Other information on Premiums, Livestock Units etc. can be entered at your convenience. Click on **Save** and you will then be returned back to the main menu of the new Business.

(iii) Delete Business

If you have accidentally created a new business or wish to remove a business completely use this option. You will be asked twice to confirm the deletion.

Once deleted a business cannot be reinstated except from a backup.

(iv) Setup

Printer Setup

This gives access to the windows options for the printer setup such as changing printers, paper size, etc.

Folder for Data Files

Sets the path to locate the data files. Used where the data is stored in locations other than C:\farmdata\dairy32. This may be a networked drive for example.

Install Sample Files

Used when the installation is for evaluation. Installs a set of sample data which can be used for demonstration and evaluation.

5. Copy Data.

Used to create a duplicate set of data as another business.

6. Backup Option

This accesses the backup routines for saving your data. Please refer to Appendix C for further details. On first use you may have to configure before backing up, Farmdata can help if you are unsure.

- (vii) Restore Option
This accesses the restore facility if you need to take your data back from disk.
Please refer to Appendix C for further details.
- (vii) Exit
This takes you out of the program.

B Utilities

- (i) Repair Database
This is a utility which allows you to repair the database should it ever become corrupted.
- (ii) Compact Database
Can be used to reduce the size of the database should it become extremely large.
- (iii) Import
These routines are used to initially populate the program with animals from various different sources. They should all be done into an empty program following consultation with Farmdata.

From BCMS

Imports the text file produced by the download from the BCMS web site.

From Cattledata

Imports data from the Farmdata Cattledata beef recording system.

From Dairydata

Imports the data from previous versions of Dairydata

From Holstein

Imports the data from HUKI text files

From NMR/SLS

Imports from the Datastream disks provided by NMR and CIS.

From Estonia

Imports from the Excel files created from the Estonian Animal Recording Centre.

Import tags

This option matches the UK tags of animals already on the system with the Electronic ID from the text file provided by the electronic tag supplier.

- (iv) Audit with BCMS
Use this to crosscheck the animals on dairydata with the text file from the BCMS web site.

- (v) Run
 Gives access to some utilities used by farmdata to perform data checks.

- C Help This offers the usual windows help facilities and the on line help facilities for Dairydata.

- Technical Support Gives details of how to obtain technical support,

- Download Latest Update Use this to check if program updates are available on the Farmdata web site. Requires the auto-update software to be loaded from the CD.

- Register Enter the Activation Key from your FARMdata Certificate of Authenticity. Without this you will not be able to access the program after 60 days have elapsed from date of installation. You will not have an Activation Key if you have a demonstration copy of the program.

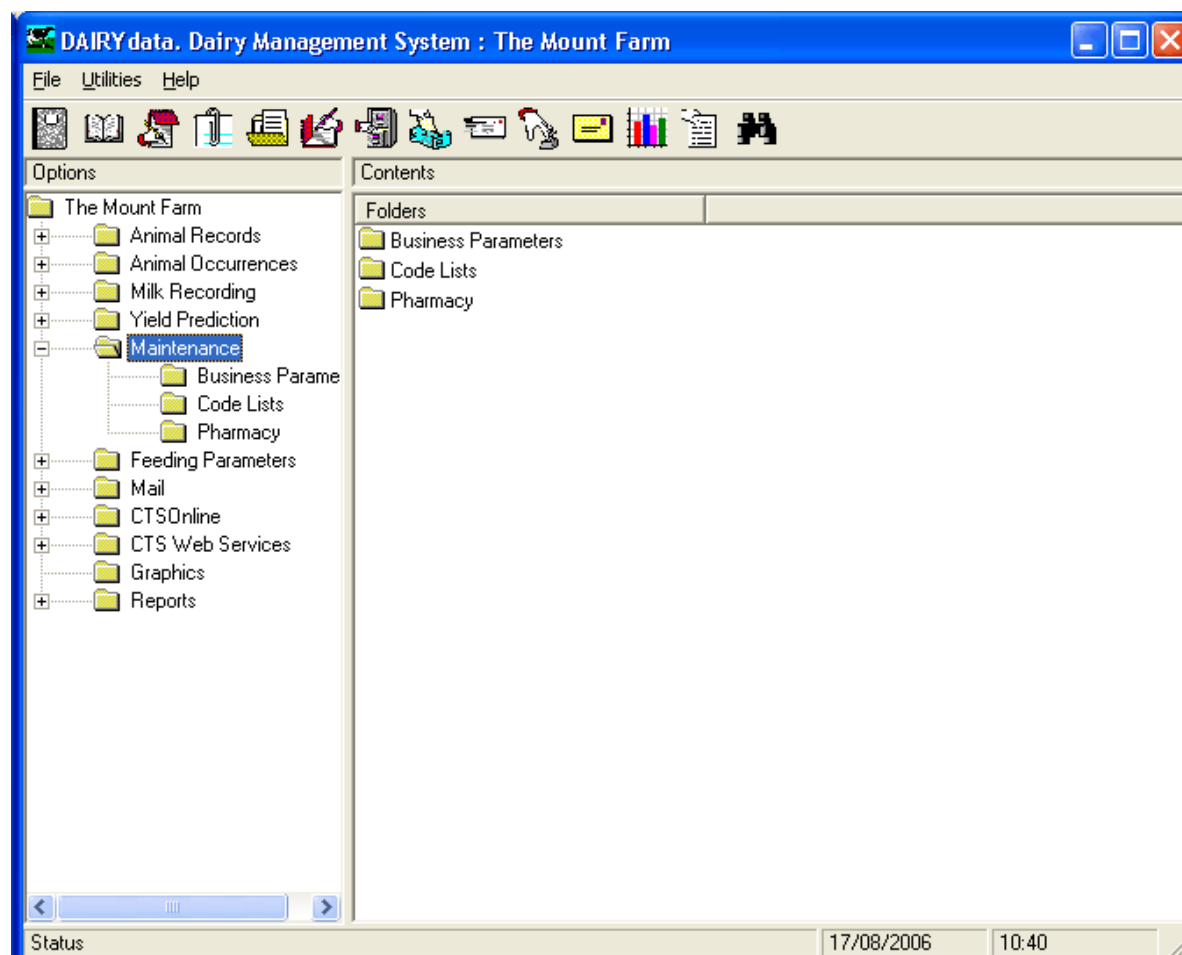
- Change Change the Address of the licenced owner of the software.

- About This gives details of the Serial Number and Version Number of the program.

The images used in this manual have been generated on Windows XP. Other versions may appear slightly different on the screen but the operation and function will be exactly the same.

CHAPTER 1 Maintenance Routines

This section contains the basic information needed to set up and run the system. Some adjustment will be required when the system is started or a new business created to tailor it to your requirements.



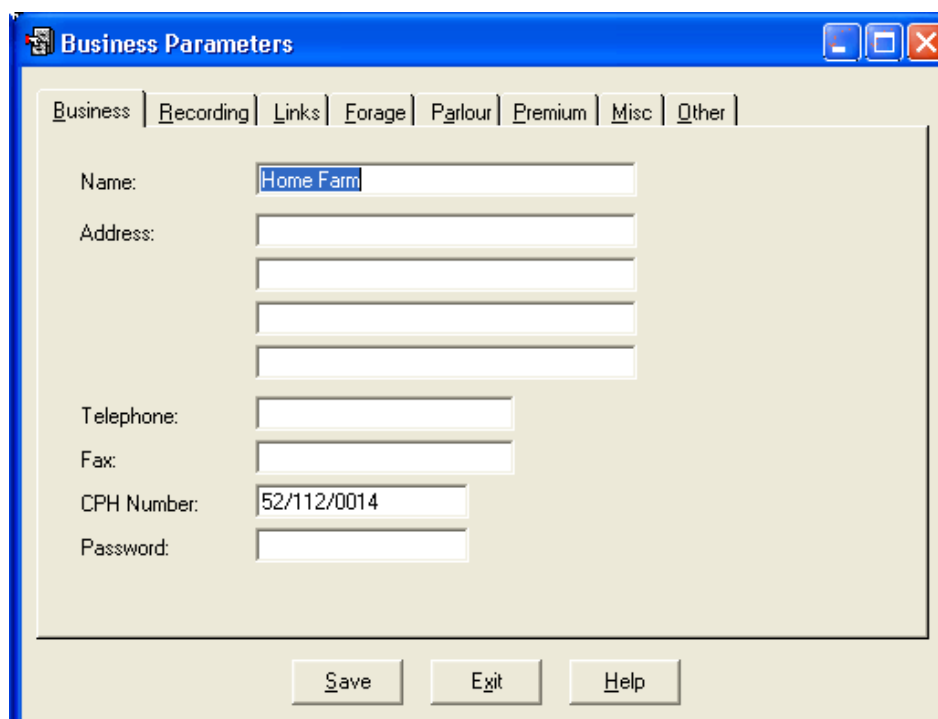
All of the lists in this section can be edited to meet your requirements. It is not advisable to delete an item once you have used it in an entry. This may leave blanks in the data in your historical records. If you amend a code, all records with that code will change to the new.

In the Premium Statistics you will have to Zero the claimed figures at the start of each Premium Year. If you do not you may very quickly reach the limit in the new year.

Many of the lists can be added to as you are entering data by clicking on the Box with three dots to the right of the drop down lists.

1 1 A Business Parameters

This section has to be filled in when a new business is created. All the entries can be amended in this section if required.



The screenshot shows a software window titled "Business Parameters". It features a tabbed interface with tabs for "Business", "Recording", "Links", "Forage", "Parlour", "Premium", "Misc", and "Other". The "Business" tab is active. The form contains the following fields:

- Name: Home Farm
- Address: (four empty text boxes stacked vertically)
- Telephone: (empty text box)
- Fax: (empty text box)
- CPH Number: 52/112/0014
- Password: (empty text box)

At the bottom of the window are three buttons: "Save", "Exit", and "Help".

A. Business Name and Address:

The trading name and address of the business to which all official communications should be addressed.

B. Telephone and Fax Numbers:

The telephone and fax numbers of the business.

C. CPH Number:

The official Ministry of Agriculture code under which the herd is registered.

D. Herd Number

This is the extension to the CPH Number where there is more than one herd registered on a holding.

D. Password:

This is the password needed to get into the business when you try to access it. Each individual business can have its own password, but it is not compulsory to have one.

1 1 B Recording

This section holds the detail necessary for milk recording and action lists. It also enables various options within the program.

The screenshot shows a window titled 'Business Parameters' with a blue title bar and standard Windows window controls. The 'Recording' tab is selected, showing various input fields for recording parameters. The fields are arranged in two columns. The first column includes 'Action List Period' (7), 'Last Service Year' (20/12/2002), 'Last Recording' (20/12/2002), 'PD Period' (42), 'Service Period' (60), 'Recording Trigger' (3), and 'Recording Method' (Standard). The second column includes 'Last Action List' (20/12/2002), 'Last Financial Year' (20/12/2002), 'Previous Recording' (20/12/2002), 'Dry Period' (60), 'Yield Drop Trigger' (0.09), and 'Milk Region' (Scottish). At the bottom are 'Save', 'Exit', and 'Help' buttons.

Field	Value
Action List Period	7
Last Action List	20/12/2002
Last Service Year	20/12/2002
Last Financial Year	20/12/2002
Last Recording	20/12/2002
Previous Recording	20/12/2002
PD Period	42
Dry Period	60
Service Period	60
Yield Drop Trigger	0.09
Recording Trigger	3
Milk Region	Scottish
Recording Method	Standard

Action List Period	The number of days between recordings and the number of days covered by the action list. Minimum is 7 maximum is 28.
Last Action List	The date the Last action list was produced, therefore the start date of the current action list.
Last Service Year	This is start date of the service year where there is a defined service year. It used as the start date for the fertility section on the standard report. If the date is set to 01/01/1980 then the assumption is for no defined service year. The fertility report is based on the last twelve months.
Last Financial Year	The date of the last financial year end of the business. This is used in some of the financial reporting.
Last Recording	The date of the last milk recording.
Previous recording	The date of the second last milk recording.
PD period	The number of days after service before an animal will appear on the list of cows due for PD. Set to 0 if PD's are not performed.

Dry period	Used to work out the drying off date. The number of days before the next expected calving date at which you wish to dry off.
Service period	The number of days after calving before which you do not wish to serve cows.
Yield Drop Trigger	This value, in litres/day is used to flag any cows who's daily recording has dropped by more than this value since the last recording.
Recording Trigger	This value, in litres is used to identify any cows whose recordings vary from the average of all her recordings on the day by more than this figure. This highlights any large difference between night and morning recordings for example.
Milk Region	Used to define what kind of data format is used for importing from external recording systems. Scottish for SLS format and English for NMR
Recording Method	Where recording information is type in manually this determines the routine. Standard requires Recordings to be entered as Cow Number, Group, Recording 1, Recording 2, etc. Random requires recordings to be entered as Cow Number and Recording.

Business Parameters

Business | Recording | **Links** | Forage | Parlour | Premium | Misc | Other

☒ Feed Budgeting and Margin Required:

☒ Maintain Bull Performance:

☒ Maintain Inseminators Performance:

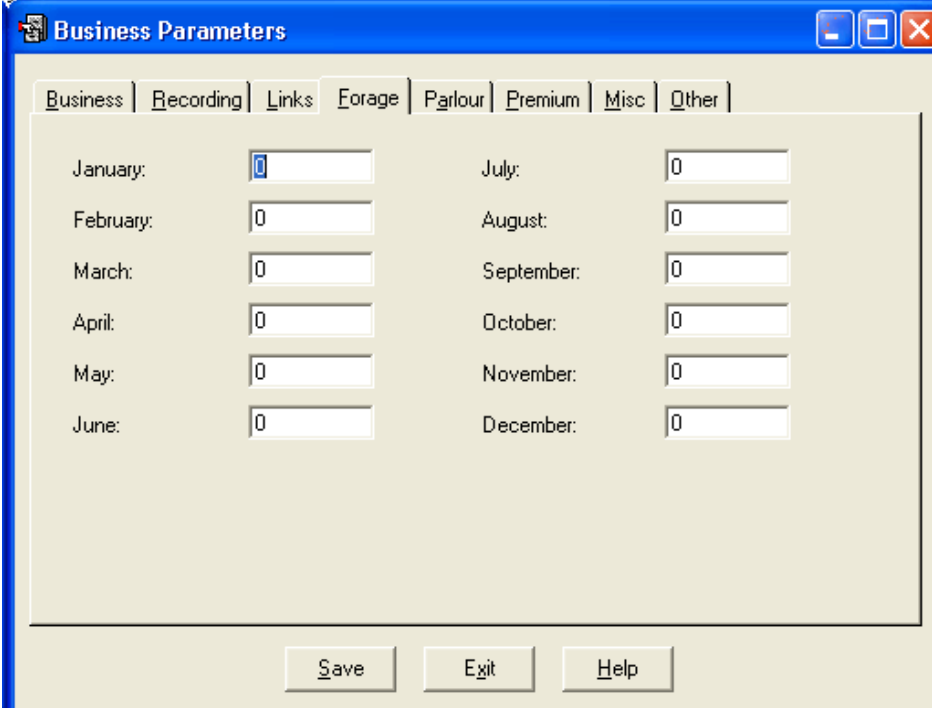
☒ Maintain Calf Records:

Business Name: 1. This Business

Default Location: Castleton

Save Exit Help

Feed Budgeting	When selected this allows for the entry of feed usage figures and individual cow margins along with ration formulation.
Bull Records	When selected the service record and success rates for bulls is calculated.
Insemenators	When selected the performance of named individual insemenators is maintained.
Calf Records	When selected calf records are created at calving allowing a life record for the calf to be maintained. The business and location within the business where the calf record is to be created has to be selected.



Business Parameters

Business | Recording | Links | **Forage** | Parlour | Premium | Misc | Other

January:	<input type="text" value="0"/>	July:	<input type="text" value="0"/>
February:	<input type="text" value="0"/>	August:	<input type="text" value="0"/>
March:	<input type="text" value="0"/>	September:	<input type="text" value="0"/>
April:	<input type="text" value="0"/>	October:	<input type="text" value="0"/>
May:	<input type="text" value="0"/>	November:	<input type="text" value="0"/>
June:	<input type="text" value="0"/>	December:	<input type="text" value="0"/>

Save Exit Help

For each month you can specify the value, in litres of milk, of the basic forage ration consumed daily by each cow. These figures are used in the calculation of Current Concentrate usage for each cow.

1 1 E Parlour

This is split into two sections. Concentrates deals with the set up of the in parlour feed and Lead Feed deals with how newly calved animals are fed.

The screenshot shows a software window titled "Business Parameters" with a tabbed interface. The "Parlour" tab is selected. The window is divided into two main sections: "Concentrates" and "Lead Feed".

Concentrates:

- Cows - Minimum: 1
- Cows - Maximum: 8
- Heifers - Minimum: 1
- Heifers - Maximum: 8
- Concentrate Value: 0.4
- Feeder Graduation: 0.5

Lead Feed:

- Method: Potential Yield (dropdown menu)
- Period (Days): 60
- Cows - Value: 25
- Heifers - Value: 20

At the bottom of the window are three buttons: Save, Exit, and Help.

A Concentrates In Parlour Feed Parameters

Cows & Heifers Minimum and Maximum.

The minimum and maximum weight of concentrate allowed to be fed to each heifer or cow in any one day in the parlour. Measured in Kgs.

Concentrate Value

The value in Litres of Milk per Kg of concentrate.

Feeder Graduation

The lowest increment to which the feeder can be set. For example if the feeder can be set only in 0.5 Kg increments then this should be set at 0.5. All feed recommendations within the program will then be rounded to 0.5 Kg

B Lead Feed This is the method by which concentrate recommendations for newly calved animals is calculated.

There are two settings available.

Potential Yield.

In this case the Potential yield is specified for Cows and Heifers. This is level which you would expect them to reach. The number of days after calving at which they reach this level is also specified. This potential or her actual peak, whichever is higher, is used up to the number of days specified, thereafter her actual is used.

Peak Yield Plus

In this case the animal is fed to her actual peak yield so far this lactation plus the value of concentrate specified here. This continues for the set number of days after which she is fed to her actual yield.

The screenshot shows a 'Business Parameters' window with several tabs: Business, Recording, Links, Forage, Parlour, Premium (selected), Misc, and Other. The 'Premium' tab contains the following settings:

- Region: ☒ Scottish, ☐ Non Scottish
- Check for Claims on StartUp: ☐
- Enable Beef Calf Premium: ☐
- Limit:
- Claimed:
- Value:
- Print Bar Codes on Claim Forms: ☒

At the bottom are three buttons: Save, Exit, and Help.

A. Region

This changes the form layout for claims and reports for SEERAD or DEFRA. If Scottish is selected the Beef Calf Scheme options are available.

B Check for Claims on Startup

If this is selected you will get a list of outstanding claims and warnings each time you start the program. This shows unregistered Calves, Animals approaching 30 months, Bulls approaching 16 months and in Scotland Calf due for a Beef Calf Scheme claim

C. Enable Beef Calf Premium.

Only available in Scotland. When selected all the required routines and reports are enabled.

Limit : The upper limit on the number of animals that you wish to claim in the Premium year. Set to 0 if you have no limit.

Claimed: The number of animals that have actually been claimed since these numbers were last zeroed.

These boxes have to be Zeroed at the beginning of each Premium Year.

Value: The value of the premium per head.

D Print Bar Codes on Claim Forms

Where the claim form is produced by the system a bar code for each animal will be printed.

1 1 G Miscellaneous Parameters

These figures are mainly used in the Census and Valuation report.

The screenshot shows a window titled "Business Parameters" with a blue title bar and standard Windows window controls. The "Misc" tab is selected, showing various input fields and checkboxes. The fields are arranged in two columns. The first column contains: "Calf Price:" (100), "Calf Weight:" (50), "Price /kg LWG:" (0.8), "Cow Price:" (400), and "PD Period:" (42). The second column contains: "DLWG - Males:" (0.8), "DLWG - Females:" (0.7), "DLWG - Bulls:" (0.9), "Bull Price:" (550), and "Stillborns:" (0). Below these fields are six checkboxes: "Verify Official Tags:" (checked), "Show Official Tags on Reports:" (unchecked), "Sort Animals By Official Tag:" (unchecked), "Double Spaced Selective Reports:" (unchecked), "Perform Stock Control in Pharmacy:" (checked), and "Don't show Animals in Main Menu:" (unchecked). At the bottom are three buttons: "Save", "Exit", and "Help".

Parameter	Value
Calf Price:	100
Calf Weight:	50
Price /kg LWG:	0.8
Cow Price:	400
PD Period:	42
DLWG - Males:	0.8
DLWG - Females:	0.7
DLWG - Bulls:	0.9
Bull Price:	550
Stillborns:	0

☒ Verify Official Tags: ☐ Double Spaced Selective Reports:
☐ Show Official Tags on Reports: ☒ Perform Stock Control in Pharmacy:
☐ Sort Animals By Official Tag: ☐ Don't show Animals in Main Menu:

Save Exit Help

A. Calf Price

The average value of a calf at its birth.

B. Calf Weight

The average weight of a calf at its birth.

C. Price / Kg LWG

The value of each Kilogram of liveweight put on by growing and fattening animals. (In £s)

D. Cow / Bull Price

The average value of the cows/bulls in the Herd.

E. DLWG Males/Females/Bulls

The budgeted daily liveweight gain for each class of fattening/growing animal. (In Kgs.)

F. PD Period

The minimum Number of days after Service that a cow or heifer can be PD tested. The PD date given in the PD schedules is the Service date plus the number of days entered here.

G. Stillborns

The number of stillborn calves since this was last set to zero.

H. Verify Official Tags

When selected verifies that an Official Tag number is in the correct format for reporting to BCMS and for claim forms. (See Appendix B for acceptable Metal Tag Formats.)

I. Sort Animals By Official Tag

When Selected the animals in lists will be sorted by Official Tag rather than management number.

J. Perform Stock Control In Pharmacy

When selected purchases of drugs can be entered and usage is recorded against these purchases to give a detailed audit of the pharmacy stock. The Pharmacy and drug section will appear in Maintenance with the drugs being removed from the code list section.

K. Show Official Tags

If selected then both Management and Official Tags are shown on reports. This can lengthen reports.

L. Double Spaced Selective Reports

When selected the selective reports are double spaced making them easier to read but longer.

M. Don't Show Animals in Main Menu

When selected the list of animals will not be displayed when a type of animal within Animal Records is selected. You will go directly to the record of the first animal instead.

1 1 H Other Parameters

Business Parameters

Business | Recording | Links | Forage | Parlour | Premium | Misc | Other

Density Limit:	1.8	Cow LUs:	1
Males < 2 LUs:	0.6	Males > 2 LUs:	1
Heifers < 2 LUs:	0.6	Heifers > 2 LUs:	1
Sheep LUs:	0.15	Forage Area:	108.57
Sheep Claimed:	0		

Save Exit Help

These are the various limits and Livestock Unit equivalents in force at any time. They can be edited as necessary. Forage Area and Number of Sheep claimed can be entered later.

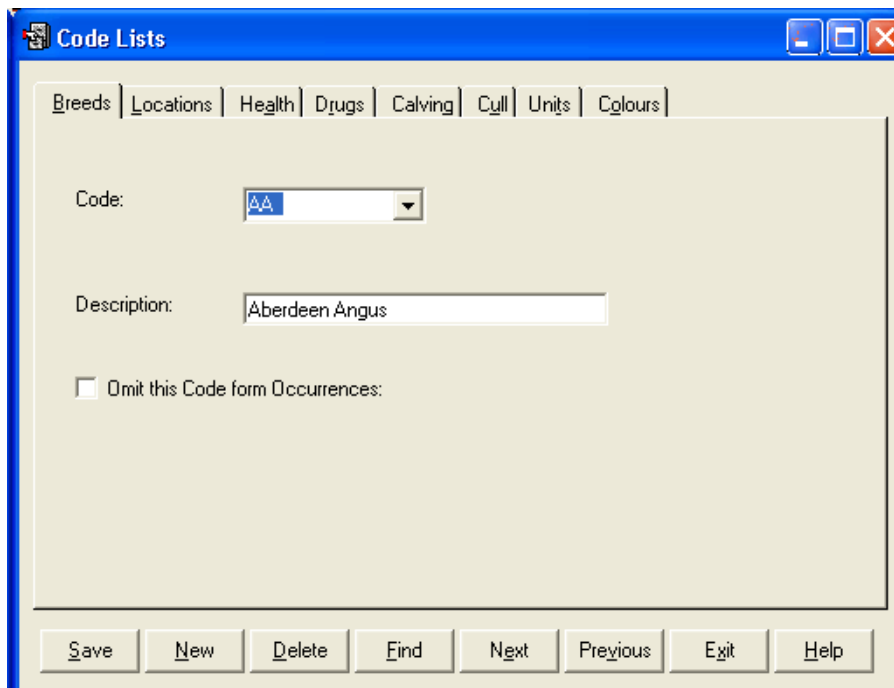
1 2 Code Lists

The Code Lists can be added to or edited in this section. To print Code Lists go the Reports section.

Omit this Code from Occurrences allows you to switch of redundant codes from appearing in drop-down list in occurrences. This shortens the working lists without removing the code with the consequent loss of historical information.

1 2 A Breeds

The list of breeds available for animals on the system. The system comes with the common standard breed codes as per the Ministry BSPS form. Other Breed Codes can be added as required.



To add a new breed, click **New** on the bottom button bar. Enter the code (up to four characters). Enter the Description as required and click **Save**.

Locations can be either **Internal** or **External**.

Internal locations are groups or locations where the animals are held on the farm. You may simply have one internal location called the farm or business name. If you keep animals in distinct groups or locations on the farm you can record movements between them. It also allows for the batch treatment of animals in a particular group.

External locations are where animals are bought from or sold to or where animals are moved to and from (summer grazings, winterings etc.).

It is particularly important to get this detail correct if movements are to be e-mailed to the BCMS. The CPH number on internal locations is vital to this operation.

The screenshot shows a software window titled "Code Lists" with a blue title bar and standard Windows window controls. Inside, there's a tabbed interface with tabs for "Breeds", "Locations", "Health", "Drugs", "Calving", "Cull", "Units", and "Colours". The "Locations" tab is active. The form contains the following fields and controls:

- Code:** A dropdown menu showing "HF".
- Name:** A text box containing "Home Farm".
- Address:** A series of stacked text boxes containing "Westertown", "Rothienorman", "Aberdeenshire", and "AB51 8US".
- Type:** A dropdown menu showing "Internal".
- CPH Number:** A text box containing "54/014/0012-01".
- Omit this Code from Occurrences:** An unchecked checkbox.
- Bottom Button Bar:** A row of buttons labeled "Save", "New", "Delete", "Find", "Next", "Previous", "Exit", and "Help".

Create your locations by clicking **New** on the bottom button bar. Put in the **Code**, up to four characters. **Put in Name and Address**, and select external or internal location. The appropriate **CPH Number** of the holding must be entered for all internal locations.

Where a business has more than one herd and there is a suffix (usually /01 or /02) This can be added to the CPH number as -01

Click **Save** to store on the system. **Delete** will remove a location but will leave blanks in animals' records, use the Omit option instead.

These are the reasons to treat animals, either an illness or a routine treatment. You create your own list as required and add new ones as you enter treatments.

The screenshot shows a software window titled "Code Lists" with a blue title bar. Inside, there are several tabs: "Breeds", "Locations", "Health" (which is selected), "Drugs", "Calving", "Cull", "Units", and "Colours". Below the tabs, there is a "Code:" label followed by a dropdown menu showing "Mast". Below that is a "Description:" label followed by a text box containing "Mastitis". Underneath the text box is a checkbox labeled "Omit this Code from Occurrences:" which is currently unchecked. At the bottom of the window is a row of buttons: "Save", "New", "Delete", "Find", "Next", "Previous", "Exit", and "Help".

To create a new health code, click **New** on the bottom button bar. Put in the code, up to four characters and put in the Description, up to 20 characters. Click **Save** to store on the system. **Delete** will remove a health code but will leave blanks in animals' records, use the Omit option instead.

1 2 D Drugs

Only available when the Perform Stock Control in Pharmacy is not selected in the Miscellaneous section of Business Parameters.

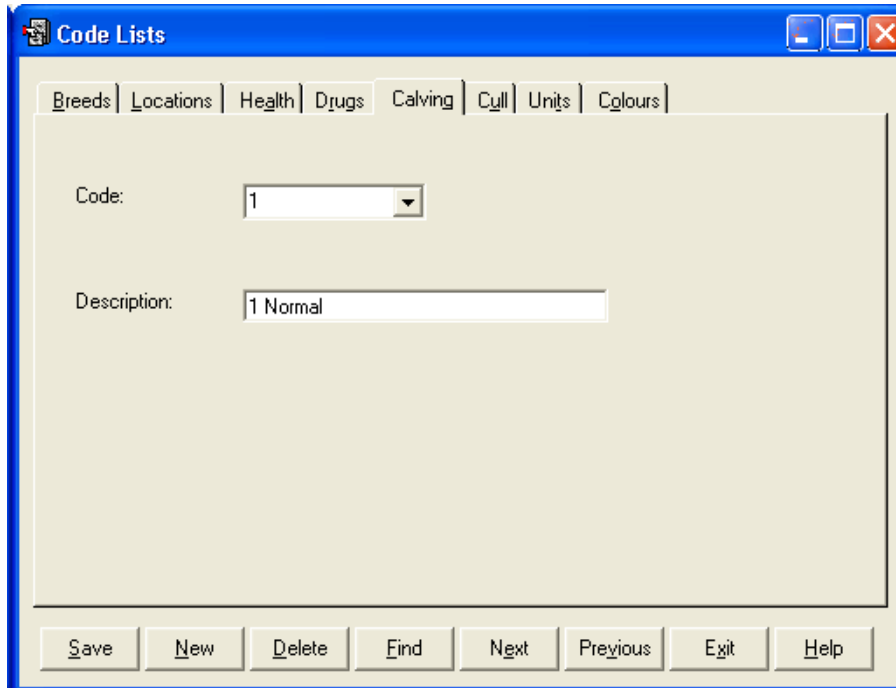
These are the drugs used in health treatments. You create your own list and add new ones as you enter treatments.

The screenshot shows a software window titled "Code Lists" with a blue title bar. Inside, there are several tabs: Breeds, Locations, Health, Drugs (selected), Calving, Cull, Units, and Colours. The "Drugs" tab is active, displaying three input fields: "Code:" with a dropdown menu showing "Alam", "Description:" with a text box containing "Alamycin LA", and "Units:" with a dropdown menu showing "Millilitres". Below these fields is a checkbox labeled "Omit this Code from Occurrences:" which is currently unchecked. At the bottom of the window is a row of buttons: Save, New, Delete, Find, Next, Previous, Exit, and Help.

To create a new drug code click **New** on the bottom button bar. Put in the code, up to four characters and put in the Description, up to 20 characters. Select the **Units** in which the drug is used (this list is created in G. below). Click **Save** to store on the system. **Delete** will remove a drug but will leave blanks in animals' records, use the Omit option instead.

1 2 E Calving Codes

These are the codes for ease of calving, you enter these to your own specification although a list is present on creating a business.

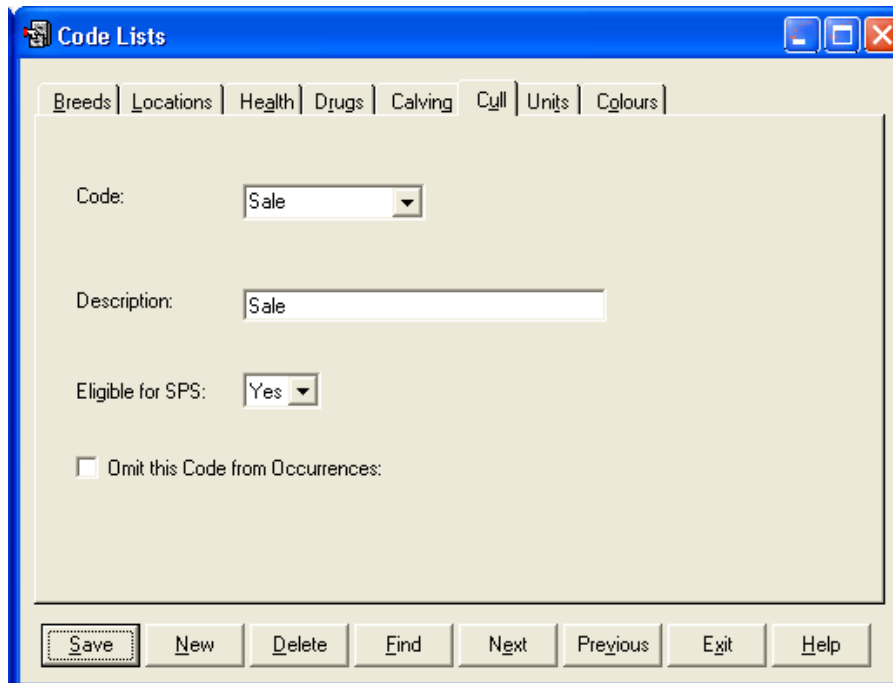


The screenshot shows a software window titled "Code Lists" with a blue title bar and standard Windows window controls. Inside the window, there is a tabbed interface with tabs for "Breeds", "Locations", "Health", "Drugs", "Calving", "Cull", "Units", and "Colours". The "Calving" tab is currently selected. Below the tabs, there are two input fields: "Code:" with a dropdown menu showing "1", and "Description:" with a text box containing "1 Normal". At the bottom of the window, there is a button bar with the following buttons: "Save", "New", "Delete", "Find", "Next", "Previous", "Exit", and "Help".

To create a new Calving code, click **New** on the bottom button bar. Put in the code, up to four characters and put in the Description, up to 20 characters. It is best to have **Normal** as the first code on your list as it will come up as the default when you calve cows. Click **Save** to store on the system. **Delete** will remove a Calving code but will leave blanks in animals' records, use the Omit option instead.

1 2 F Cull Codes

These codes are used to record the reason for the sale or culling of animals. You build the list to your own specification and can add new ones as you enter occurrences.



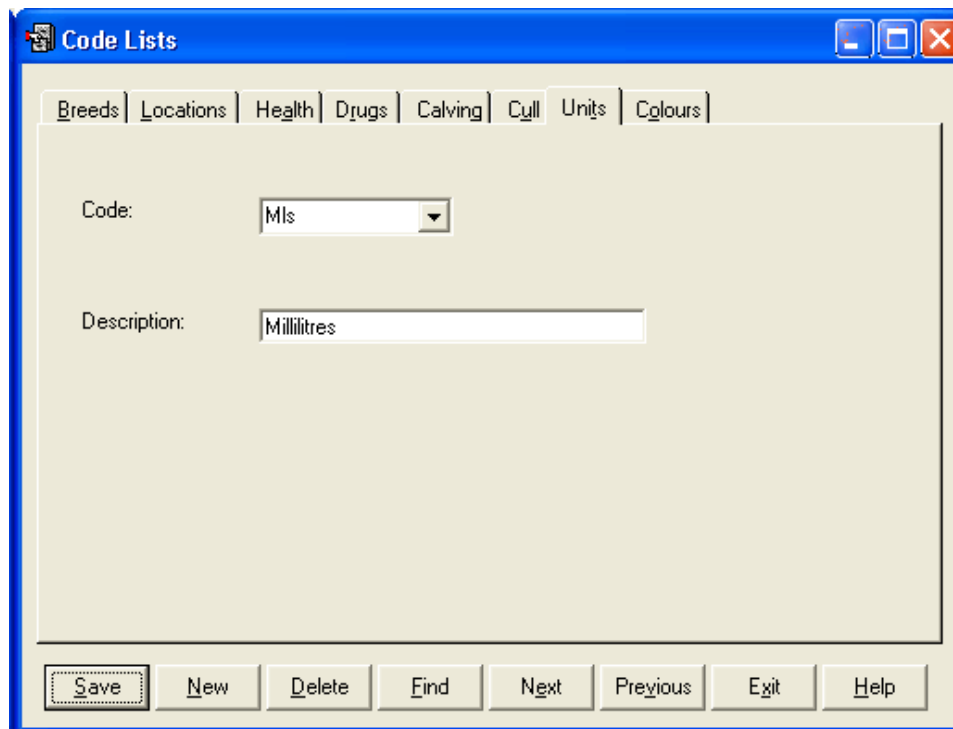
The screenshot shows a software window titled "Code Lists" with a blue title bar. Below the title bar is a tabbed interface with tabs for "Breeds", "Locations", "Health", "Drugs", "Calving", "Cull", "Units", and "Colours". The "Cull" tab is currently selected. The main area of the window contains four input fields: "Code:" with a dropdown menu showing "Sale", "Description:" with a text box containing "Sale", "Eligible for SPS:" with a dropdown menu showing "Yes", and an unchecked checkbox labeled "Omit this Code from Occurrences:". At the bottom of the window is a button bar with buttons for "Save", "New", "Delete", "Find", "Next", "Previous", "Exit", and "Help".

To create a new Cull/Sale Code, click **New** on the bottom button bar. Put in the code, up to four characters and put in the Description, up to 20 characters. It is best to have **Sale** as the first code on your list as it will come up as the default when you sell animals. Click **Save** to store on the system. **Delete** will remove a code but will leave blanks in animals' records, use the Omit option instead.

Eligible for SPS determines whether animals sold with this code will appear for claim in the Slaughter Premium Claim occurrence.

1 2 G Units

These are the units used in the drug section to describe the quantities.

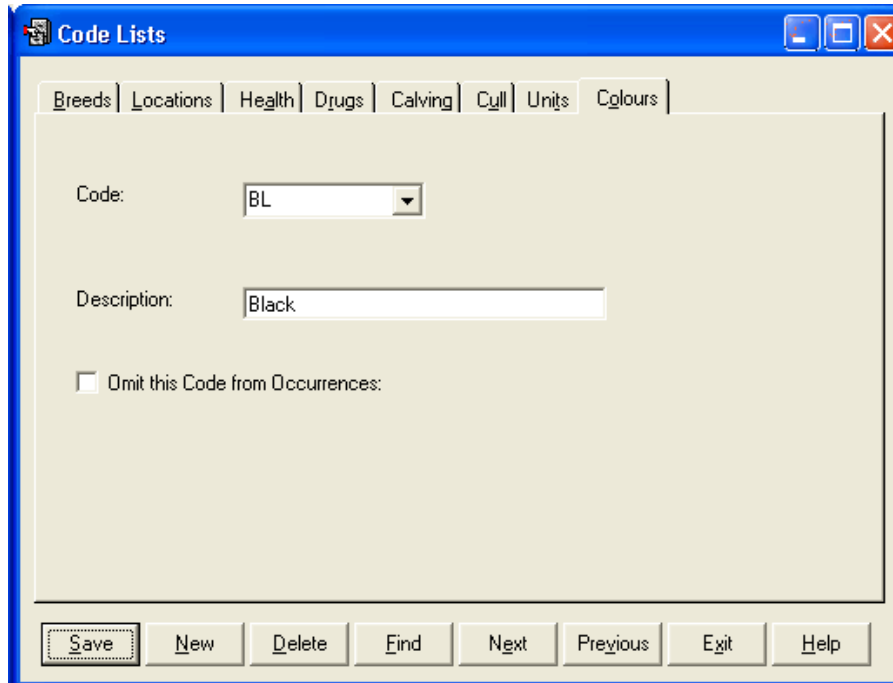


The screenshot shows a software window titled "Code Lists" with a blue title bar and standard Windows window controls. Inside the window, there is a tabbed interface with tabs for "Breeds", "Locations", "Health", "Drugs", "Calving", "Cull", "Units", and "Colours". The "Units" tab is currently selected. Below the tabs, there are two input fields: "Code:" with a dropdown menu showing "Mls" and a small downward arrow, and "Description:" with a text box containing "Millilitres". At the bottom of the window is a button bar with eight buttons: "Save" (highlighted with a dashed border), "New", "Delete", "Find", "Next", "Previous", "Exit", and "Help".

To create a new Unit code click **New** on the bottom button bar. Put in the code, up to four characters and put in the Description, up to 20 characters. Click **Save** to store on the system. **Delete** will remove a code but will leave blanks in animals' records, use the Omit option instead.

1 2 H Colours

These can be used in animal records to give some idea of colouring to aid identification.



The screenshot shows a software window titled "Code Lists" with a blue title bar and standard Windows window controls. Inside the window, there is a tabbed interface with tabs for "Breeds", "Locations", "Health", "Drugs", "Calving", "Cull", "Units", and "Colours". The "Colours" tab is currently selected. Below the tabs, there are two input fields: "Code:" with a dropdown menu showing "BL", and "Description:" with a text box containing "Black". Below these fields is a checkbox labeled "Omit this Code from Occurrences:" which is currently unchecked. At the bottom of the window is a button bar with eight buttons: "Save", "New", "Delete", "Find", "Next", "Previous", "Exit", and "Help".

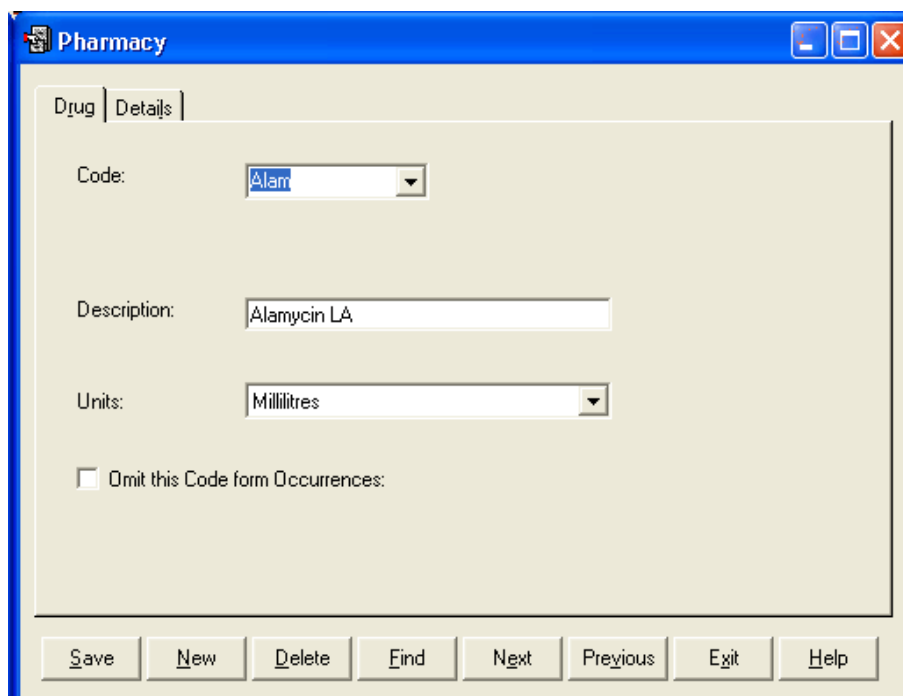
To create a new Colour code, click **New** on the bottom button bar. Put in the code, up to four characters and put in the Description, up to 20 characters. Click **Save** to store on the system. **Delete** will remove a code but will leave blanks in animals' records, use the Omit option instead.

1 3 Pharmacy

Only Available when Perform Stock Control in Pharmacy is activated in the Miscellaneous Section in the Maintenance Section.

1 3 A Drugs

This section maintains the Drugs which may be used in Health Treatments. New drugs can also be added within the Health Treatment occurrence.



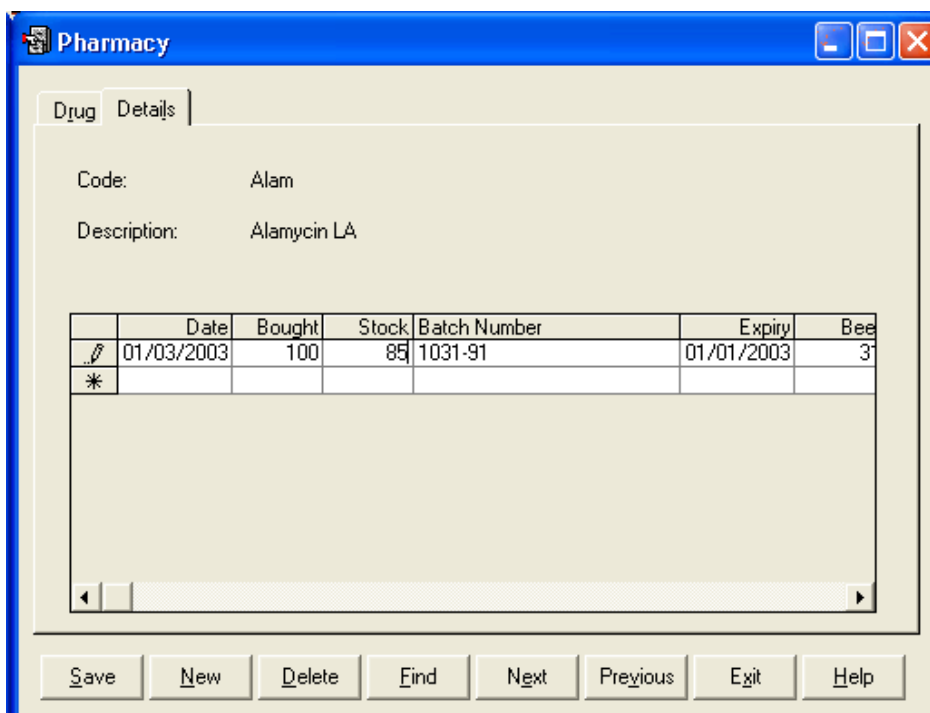
The screenshot shows a window titled "Pharmacy" with a "Details" tab. The window contains the following fields and controls:

- Code:** A dropdown menu with "Alam" selected.
- Description:** A text box containing "Alamycin LA".
- Units:** A dropdown menu with "Millilitres" selected.
- Omit this Code from Occurrences:** An unchecked checkbox.
- Bottom Button Bar:** A row of buttons labeled "Save", "New", "Delete", "Find", "Next", "Previous", "Exit", and "Help".

To create a new drug code click **New** on the bottom button bar. Put in the code, up to four characters and put in the Description, up to 20 characters. Select the **Units** in which the drug is used (this list is created in G. below). Click **Save** to store on the system. **Delete** will remove a drug but will leave blanks in animals' records, use the Omit option instead.

1 3 B Details

This section holds the detail of the purchases of each drug and the current stock. Batch Number, Expiry and withdrawal periods are maintained for each individual entry.



The screenshot shows a window titled "Pharmacy" with a blue title bar and standard Windows window controls. Inside, there are two tabs: "Drug" and "Details", with "Details" currently selected. Below the tabs, the following information is displayed:

Code: Alam
Description: Alamycin LA

Below this is a table with the following data:

	Date	Bought	Stock	Batch Number	Expiry	Bee
✎	01/03/2003	100	85	1031-91	01/01/2003	3
*						

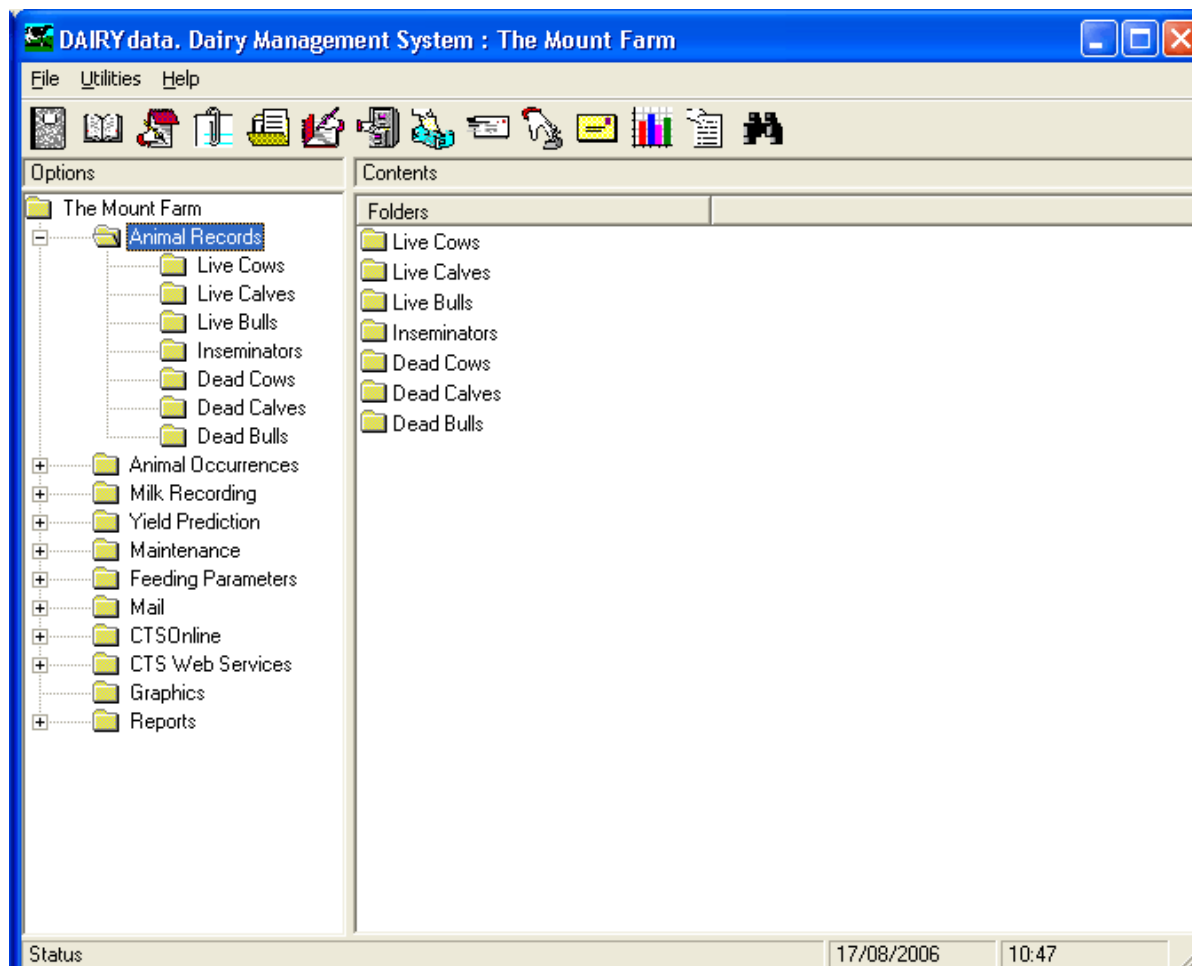
Below the table is a large empty text area for comments. At the bottom of the window is a button bar with the following buttons: Save, New, Delete, Find, Next, Previous, Exit, and Help.

To create a new entry click **New** on the bottom button bar. Enter the Date of Purchase, the amount Bought, the Stock should be the same as the Bought, Batch Number, Withdrawal Periods and any comment such as supplier. Click **Save** to store on the system.

New purchases can be entered during the Health Treatment Occurrence.

CHAPTER 2 Animal Records

The Animal Record section holds all the detail on the individual Animals. It accesses both live and dead (animals which have left the farm) records. If you want to find out about an individual animal this is the place to come. It also hold the individual Inseminator records.



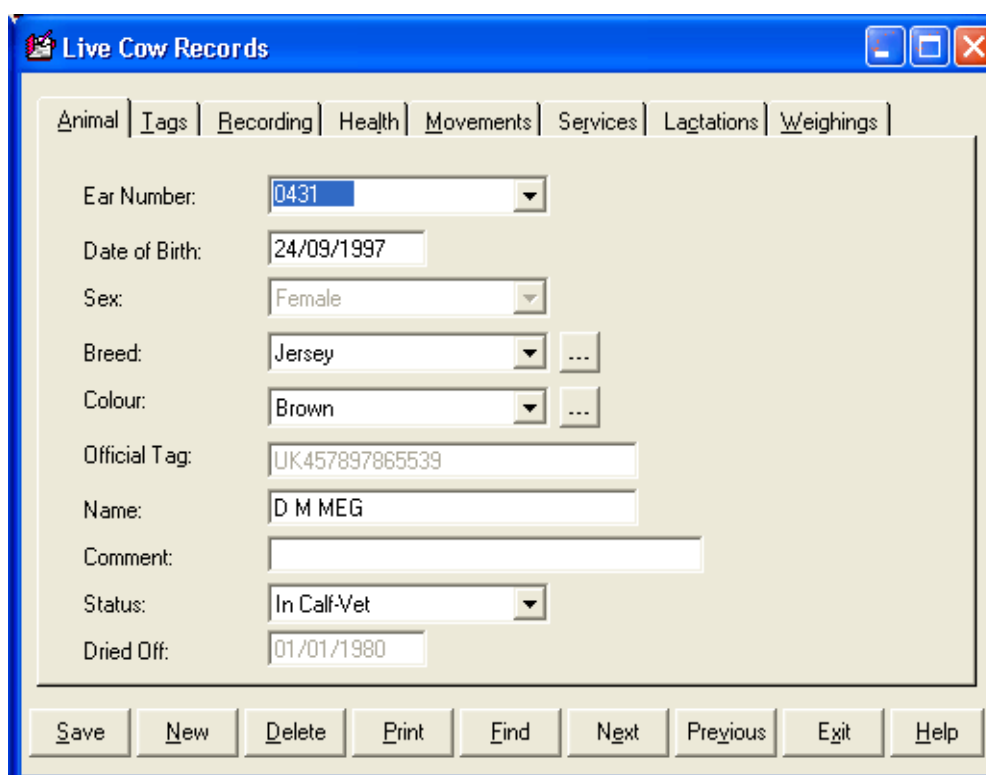
All records are editable here (except for the Official Tag Number) therefore any mistakes can be corrected here.

When a category of animal is selected a list is displayed in the right hand section. This list can be ordered by the various column headings (either up or down) by clicking on the heading. For example if you wish te animals listed by Status click on the gray Status title at the top. Click again on Status and the order of sort will be reversed.

An individual Animal Record can be opened by clicking on it.

2 1 Animal Records - Cows, Calves & Bulls

Both Live and Dead Animal Record displays are the same, except that access to the Sale Section is only through the Dead record.



Ear Number	The Management ID of the animal. (Does not have to be unique.)
Date of Birth	The animal's date of birth.
Sex (Cow, Calf)	Unavailable in a cow record, always Female. Bull, Male Or Female in Calves Record
or Type (Bull)	Stock Bull. A live bull, on the farm, used to serve cows and heifers. A.I. Bull. An AI Bull.
Breed	The breed of this animal.
Colour	The colouring of this animal.
Official Tag	The Official Ministry ID of this animal. Can only be changed by Retagging in the Animal Occurence.
Name	The Name of this animal. Pedigree or otherwise. (Optional)
Comment	Anything which you may wish to record. Free Text.

Status (Cow, Heifer) The stage the animal is in the Lactation. The options are:

1. Unserved
2. Served Awaiting PD
3. In Calf - Milk Test
4. In Calf - Vet
5. For Culling
6. Not In Calf - Milk Test
7. Not In Calf - Vet
8. PD Inconclusive
9. Dry Cow - In Calf
10. Dry Cow - Not In Calf
11. Culled

Dried Off The Date Dried off - only available with options 9 & 10 above.

The Bottom Button Bar

Save	If changes have been made to an animal's record, this saves them to the record. You should click Save before moving on to the next animal. If you have not saved the changes and try to exit you will be asked if you wish to save them.
New	This lets you add a new animal to the records.
Delete	This completely removes an animal's record. You will be asked to confirm the deletion.
Print	This gives a complete print of the animal's record.
Find	You can use this to find animals, either by their management ID or their official ID. It searches alpha-numerically, it will find the closest match it can. Use next and previous to move through the records.
Next	Moves to the next animal on record.
Previous	Moves to the previous animal on record.
Exit	Leave the animal record section. If you have not saved the changes you will be prompted to do so.
Help	Accesses the help menu.

2	2	Tags - Cow, Calf & Bull	This gives access to all the tag records of the animal.
---	---	------------------------------------	---

Live Cow Records

Animal | Tags | Recording | Health | Movements | Services | Lactations | Weighings

Ear Number: 0431

Genetic Sire: J59 S324/J59

Genetic Dam: 00691 UKAB0324 00691

Surrogate Dam:

Electronic Tag:

	Date	Previous Tag	Comment
▶	20/03/2001	UKAB0345 00817	
*			

Save New Delete Print Find Next Previous Exit Help

Genetic Sire/Dam The management and official ID of the sire and dam of this animal. If the animal was home-bred these may have been filled in automatically at birth. They can be edited if required.

Surrogate Tag The Management and official ID of the surrogate dam if this animal was fostered.

Electronic Tag This is the hexadecimal alpha-numeric ID unique to each electronic tag. It is only used with the EID options.

Previous Tags This is a record of any previous Official ID tags this animal has had. It is normally updated through the Retagging Occurrence option.

New tags can be entered by clicking **New** and filling in the detail.
 Old tag records can be changed by clicking on the line to highlight it, click **Edit** and make the required changes.
 Highlighting a line and clicking **Delete** will remove that retagging record.

This page is normally updated by the Milk Recording routine.

To **Edit** a record, click on it to highlight it, the detail of that claim can then be changed and resaved.

Passport Type	CTS style, New Style (Cheque Book), or Old Style. Old Style also includes no passport.
Method Used	Indicates how the passport was applied for, manually (by post) or Electronically (by e.mail)
Latest Recording	The yield at the last recording.
Previous Recording	The yield at the second last recording.
Peak Yield	The highest recording this lactation.
Total Yield	Total production so far this lactation
305 Day Yield	The 305 day figure for this lactation if passed.
Butterfat, Protein, Lactose	The Percentage at the last recording
Cell Count	The Cell Count at the last recording

Live Calf Records

Animal | Tags | **Premium** | Health | Movements | Services | Weighings

Ear Number: 5588

Passport Type: New Style

Method Used: Manually

☐ Not Registered:

☒ Registered: 18/02/2001

☐ 1st Premium: 01/01/1980 Value: 0

☐ 2nd Premium: 01/01/1980 Value: 0

Date Castrated: 01/01/1980

Save New Delete Print Find Next Previous Exit Help

This gives a list of all the premium claims made in the life of the animal, and when premium has been claimed. Heifers have no 1st and 2nd premium details. Bulls do not have a second premium claim at the time of writing.

Passport Type indicates whether the passport is **Old Style**, **New Style** (Cheque Book Type) or **CTS Style** (older animals)

Animals with New Style and CTS Style can have movements notified to the BCMS by e.mail.

Method Used indicates whether the Registration was made **Manually** or **Electronically**. Electronically can only apply to new style passports and indicates that the registration has been made by e.mail.

The CID / CCD number can be entered if you wish in the box beside the Not Registered Dot.

This page is normally updated by the Premium Routine in the Calf Occurrence section.

The Dot indicates the premium status of the animal. The date indicates when the claim was made. The Value was the value of the claim received.

Date Castrated is updated from the Castration Occurrence.

Bulls do not have a second premium claim at the time of writing.

The record can be edited in this screen.

Live Cow Records

Animal | Tags | Recording | **Health** | Movements | Services | Lactations | Weighings

Ear Number: 0431

	Date	Health	Drug	Quantity	Batch
	01/05/2000	Worming	Noromectin	15	0015
*					

Save New Delete Print Find Next Previous Exit Help

This record is usually updated through the Health option in the Occurrence section.

New allows treatments to be entered directly into the record. Click **New** and fill in the detail on the screen.

To edit an existing record click on the line to highlight the section to be changed. Type the new detail, or if you type the first character and press return, the list of options will drop down.

To delete an existing record click on the line to highlight it and then click **Delete**. The record will be removed.

2 6 Movements - Cows, Calves & Bulls

This is a record of all the movements of the animal, both Internal and External and Management Group Changes.

	Date	Moved From	Moved To	Status
▶	21/11/2000	Group 6	Group 2	UnRegistered
*				

Purchase Price. If purchased the price is displayed.

Invoice Number. The purchase invoice number if required.

Cow records initially show management group movements. To see the Location changes click in the Show All check box.

Movements. If the Show All box is ticked all movements are shown, if not only management group changes are shown.

This record is normally updated through the Purchase, Movement, Sale, Cull and Group Change Options in the Occurrence section. The status indicates whether the movement has been electronically registered with BCMS by e.mail or not.

New allows movements to be entered directly into the record. Click **New** and fill in the detail on the screen.

To edit an existing record click on the line to highlight it and make the required changes.

To delete an existing record click on the line to highlight it and then click **Delete**. The record will be removed.

Live Cow Records

Animal | Tags | Recording | Health | Movements | **Services** | Lactations | Weighings

Ear Number: 0431

	Date	Type	Bull Used	Inseminator Used	PD Date
▶	28/12/2000	Service	Fyn L	Peter Farmer	01/01/1980
*					

Save New Delete Print Find Next Previous Exit Help

This record is normally updated through the Oestrus, Service and PD result Options in the Cow and Calf Occurrence section.

New allows services and PD results to be entered directly into the record. Click **New** and fill in the detail on the screen.

To edit an existing record click on the line to highlight it and make the required changes.

To delete an existing record click on the line to highlight it and then click **Delete**. The record will be removed.

Gestation. The Gestation period for this bull. Normally 283 days.

Current Stock The Number of straws available

Stock Price The Price of each available straw

Services. The number of cows this bull has served.

Positives The number of services which are confirmed by PD or produced a calf

Negatives The Number of services which have not held

Wastes The number of wasted services used on Culled Cows.

Males. The number of male calves produced so far by his services.

Females. The number of females calves produced so far by his services.

Twins. The number of twins and the sex combinations of the calves produced by his services so far.

Stillborns. The Number of stillborn calves produced by his services.

Omit this Bull from Services. When selected the bull will not appear on the lists in the service occurrences.

	Date	Peak Yield	Total Yield	305 Day Yield	Butterfat	Protein
▶	25/10/1999	21	3680	3680	0	0
	02/11/2000	0	0	0	0	0
*						

This record is normally updated through the Calvings options in the Cow Occurrence section.

New calvings should be entered through the occurrence screen.

The initial screen shows only milk production figure for completed lactation.

The Show All check box, when ticked will also show the detail of the calves produced at each lactation.

To edit an existing record click on the incorrect entry and change the detail. Where a list is available you should select the required entry.

This however does not change the calf's record, that must be done in the calf record section.

2 10 Weighing - Cows, Calves & Bulls All recorded weighings are held in this section.

Live Cow Records

Animal | Tags | Recording | Health | Movements | Services | Lactations | Weighings

Ear Number: 0431

	Date	Weight	Comment
*			

Save New Delete Print Find Next Previous Exit Help

This record is updated through the Weighing options in the Occurrence section.

New allows weight recordings to be entered directly into the record. Click **New** and fill in the detail on the screen.

To edit an existing record click on the line to highlight the error and correct it.

To delete an existing record click on the line to highlight it and then click **Delete**. The record will be removed.

Type	Either Sold or Culled depending on which occurrence type was used.
Cull Code	The reason why the animal was sold / culled.
Dead Weight	The dead weight of the animal. Entered through the Sale Returns occurrence.
Sale Price	The sale price of the animal.
Invoice Number	The sales invoice number.
Grade	The Kill Grade if Sold Dead. Entered through the Sale Returns occurrence.
Replaced By	Applies where cows are sold under SCPS retention.
Date Replaced	Date the animal was replaced under the SCPS
Premium (Cows, Calves & Bulls)	The date and value of any Slaughter premium claim made on this animal.

Data is best entered through occurrence routines. The record section is generally used for information only.

Mistakes in Occurrence entry have to be corrected through the individual animal record.

The screenshot shows a window titled "Inseminators" with a blue title bar and standard Windows window controls. The main area is a form with the following fields:

- Code:** A dropdown menu showing "AG".
- Start Date:** A date field showing "24/05/2000".
- Name:** A text field showing "Antony Grass".
- Comment:** An empty text field.
- Services:** A numeric field showing "97".
- Positives:** A numeric field showing "15".
- Negatives:** A numeric field showing "12".
- Wastes:** A numeric field showing "2".
- PD Positives:** A numeric field showing "39".
- PD Negatives:** A numeric field showing "50".
- Omit this Inseminator from Services:** An unchecked checkbox.

At the bottom of the window is a row of buttons: Save, New, Delete, Print, Find, Next, Previous, Exit, and Help.

Code Each Inseminator has a code, usually their initials.

Start Date The date they started working

Name The Inseminator's name

Comment Any free text comment you wish

Services Number of times the Inseminator has served cows or heifers

Positives The number of times this inseminator's service have produced calves

Negatives The number of times this inseminator's services have been followed by a reservice

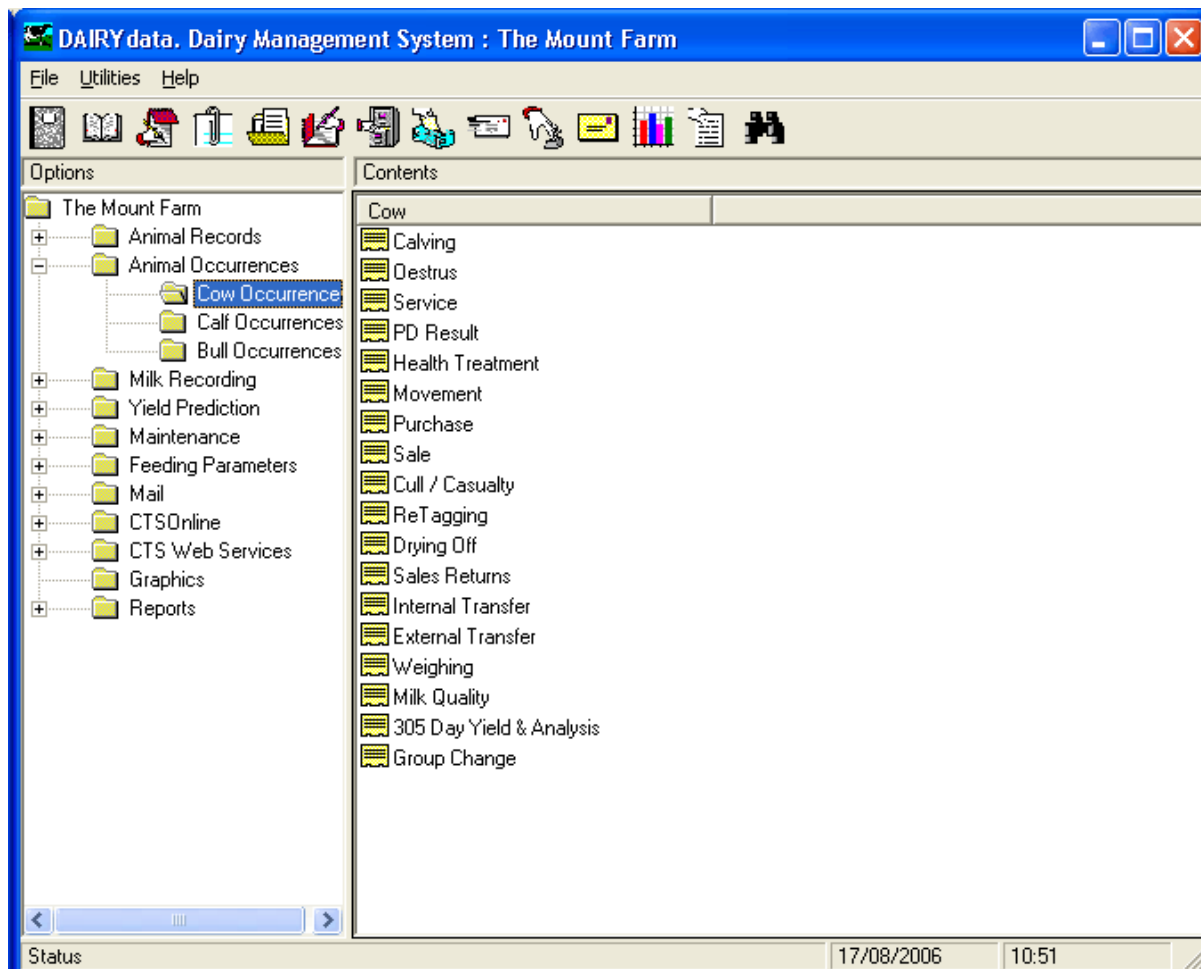
Wastes The Number of times this inseminator was used on culled cows before calving.

PD Positives The Number of Positive PD's with this Inseminator's services

PD Negatives The Number of Negative PD's with this Inseminator's services

CHAPTER 3 OCCURRENCES

The occurrence sections (cow, bull and calf) are where all the day to day recording should be done. These are the normal means of updating animal records and are designed in a way which allows for group treatment. This means many animals can be updated from one entry.



This chapter is organised in such a way that, where an occurrence routine is common to more than one section, it is indicated in the heading. Purchases are therefore dealt with once, although they appear in the cow, bull and calf section.

- Ear Number** The list of served heifers or dry cows in calf is shown here. The first animal alpha-numerically is shown. Click on the arrow at the end of the box to drop a pick list of all the served animals. Click on the one you want.
- Date Calved** Enter the date of the calving.
- No. of Calves** Click in dot appropriate for the number of calves at this calving.
- Sire** The likely sire of the calf is displayed. This is calculated back from the date of calving to find out which service in the animal's record was the most likely sire. The gestation in the Bull's record is also taken into account. If the suggested sire is not correct you can select the correct one from the list.
- Calving Score** The ease of calving. Select from the list as created in the Maintenance routines, Calving codes. The first one on the list is entered automatically.
- Calf's Tags** The first box is for the management tag. The second box is for the official ID. If there are two or more calves fill in the boxes from top down.
The Official ID can be read directly from the Passport Application Form with a Bar Code Reader.
- Calf's sex** Select the calf's sex from the drop down list, Male, Female or Bull. If there are two or more calves select the sexes in the same order as the calves tags.

Bull calves should usually be entered as **Bull**, and if they are then castrated this can be entered as an occurrence and the date will show in the animal's record.

A **Bull** will not automatically go to the Bull Section. It stays in the Calf Section until it is transferred in the Calf Transfer option in the Bull Occurrences.

Colour The colouring of the animal.

Stillborn If a calf is stillborn use the check box to indicate this.
If there is no eartag number entered then no calf record is created; the cow's calving record is updated accordingly.
If an ear number is entered for the stillborn calf, the calf is created in the dead calf records and the cow's record updated accordingly.

Once you have filled in all the detail click the **Save** button.

If it is a heifer which has calved it will be removed from the calf section and entered as a cow.

The calf or calves born will automatically be created in the calf section. They will be given the same location as the cow.

3 2 Oestrus (Cows & Calves)

This is where observed heats are recorded when no service is made.

Animal ID	UK45789786548X
0014	UK457897865479
0015	UK457897865480
0018	UK457897865481
0023	UK457897865482
0026	UK457897865484
0043	UK457897865485
0049	UK457897865486
0060	UK457897865487

Enter the date of the observation and any comment, select the animals and click save. Animals with observed heats will then come on the list of cows expected bulling at the appropriate time.

3 3 Service (Cows & Calves)

This is where all services of both cows (cow section) and heifers (calf section) are entered.

The screenshot shows a 'Services' window with the following fields and options:

- Date: 17/04/2003
- Bull: Fyn L
- Inseminator: James Pugh
- Comment: (empty text box)
- Group: (selected radio button, dropdown menu shows 'Group 1')
- Individual: (unselected radio button)
- Animal list table:

0005	UK457897865478
0077	UK457897865491
0179	UK457897865499
0232	UK457897865507
0272	UK457897865511
0278	UK457897865512
0283	UK457897865513
0295	UK457897865517

Buttons at the bottom: Save, Select, Refresh, Exit, Help.

Date This is the date of the service.

Bull Select the bull used from your list of sires.

Inseminator Select the Inseminator from your available list.

Comment Enter any comment required, this is free text.

Group Select the management group. Only those animals in the selected management group will be displayed.

Individual Will display all the cows within the herd regardless of group.

You can then select the animal or animals served from the list by clicking on them to highlight them. Select all the animals on the list by clicking **Select** on the bottom button bar. Individuals can then be deselected by clicking on them to take the highlight off.

Once you have selected the animals to be served on the date, click **Save** on the bottom button bar. The service is then added to the animals' record and they will be removed from the display.

To bring all the animals back to the display, click **Restore** on the bottom button bar.

3 4 P D Result (Cows & Calves)

This is for the entry of P D results against Cows and heifers.

Animal ID	UK Number
0014	UK457897865479
0015	UK457897865480
0018	UK457897865481
0023	UK457897865482
0026	UK457897865484
0043	UK457897865485
0049	UK457897865486
0060	UK457897865487

Date The date of the P D test.

Result Select the result you wish to record. Positive, Negative or Inconclusive.

Comment Enter any comment required, this is free text.

Group Select the group of animals which were tested.

Individual Shows all the cows or heifers in the business.

You can then select the animal or animals with the selected result from the list by clicking on them to highlight them. Select all the animals on the list by clicking **Select** on the bottom button bar. Individuals can then be deselected by clicking on them to take the highlight off. Click **Save** to record the results in the animals record. The animals will be removed from the list.

Change the **Result** and then select the animals with this result and save them as above. Continue until all the results have been recorded.

To bring all the animals back to the display, click **Restore** on the bottom button bar.

3 5 Health Treatment (Cows, Calves & Bulls)

Health treatments are recorded in this option. These may be drug treatments for disease, illness or injury or routine treatments for inoculation, worming, castration, etc.

Animal ID	Treatment Code
0005	UK457897865478
0025	UK457897865483
0074	UK457897865489
0077	UK457897865491
0090	UK457897865492
0158	UK457897865495
0179	UK457897865499
0213	UK457897865504

Date The date of the treatment.

Code The reason for the treatment. Select from the list of health codes in maintenance utilities.

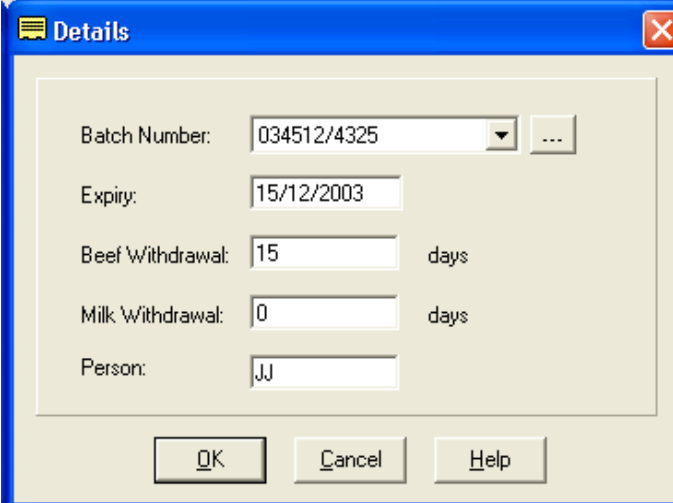
Drug The Drug used in the treatment. Select from the list of health codes in maintenance utilities. Can be **None** where no drug is used.

Rate Use this where a rate given to each animal is to be recorded.

Quantity Use this where a total quantity is to be recorded against a number of animals. This quantity is then divided by the number of animals to work out the dosage per animal.

Details / Change

Use this to select the batch of drug you are using and to enter the person if required.

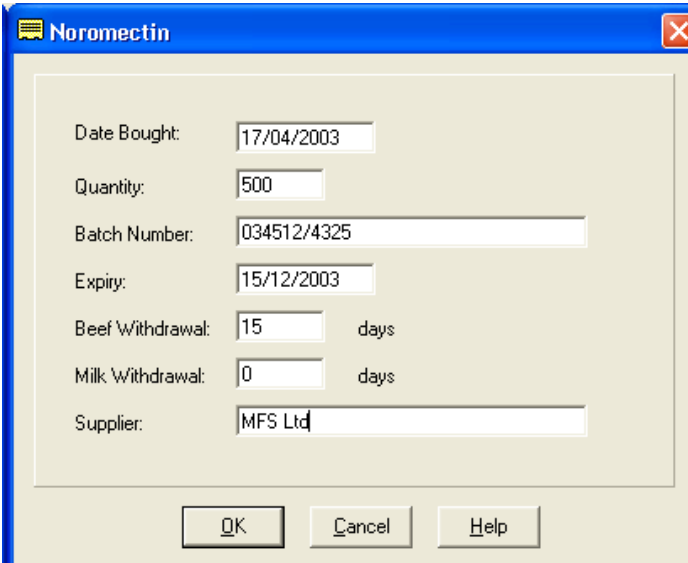


The 'Details' dialog box has a blue title bar with a yellow icon and a red close button. The main area is light beige and contains the following fields:

- Batch Number: 034512/4325 (with a dropdown arrow and an ellipsis button)
- Expiry: 15/12/2003
- Beef Withdrawal: 15 days
- Milk Withdrawal: 0 days
- Person: JJ

At the bottom are three buttons: OK, Cancel, and Help.

New Drug Purchases can be entered by clicking on the button at the end of the Batch number drop-down.



The 'Noromectin' dialog box has a blue title bar with a yellow icon and a red close button. The main area is light beige and contains the following fields:

- Date Bought: 17/04/2003
- Quantity: 500
- Batch Number: 034512/4325
- Expiry: 15/12/2003
- Beef Withdrawal: 15 days
- Milk Withdrawal: 0 days
- Supplier: MFS Ltd

At the bottom are three buttons: OK, Cancel, and Help.

Comment Any free text comment you wish to record.

Group The group of animals where those treated are located.

Individual This lists all the animals in the business of this type.

You can then select from the list the animal or animals to be treated by clicking on them to highlight them. Select all the animals on the list by clicking **Select** on the bottom button bar. Individuals can then be deselected by clicking on them to take the highlight off.

Once you have selected the animals to be treated on the date, click **Save** on the bottom button

bar. The treatment is then added to the animals' record and they will be removed from the display.

To bring all the animals back to the display, click **Refresh** on the bottom button bar.

To bring back only those animals selected, click **Restore**. This is useful where more than one treatment or drug has been given to the same animals, possibly on subsequent days.

3 6 Movements (Cows, Calves & Bulls)

This is used to move animals between Locations where an animal is to remain live in the herd. It is not used for sales or purchases, they create their own movements.

Date:	To:	Comment:
17/04/2003	The Mount Dairy	

Group:	Individual:
Westertown	

ID	Animal ID
0005	UK457897865478
0014	UK457897865479
0015	UK457897865480
0018	UK457897865481
0023	UK457897865482
0025	UK457897865483
0026	UK457897865484
0043	UK457897865485

Save	Select	Refresh	Exit	Help

Date The date of the movement.

To Which internal or external location the animal or animals were moved to. If you use an external location, this will be entered in the external movement book but the animals will not be sold out of the business. This can be used for moving animals to summer grazing, wintering, to shows etc.

Group The location the animals to be moved are currently in.

Individual Shows all the animals regardless of which group they are in.

You can then select from the list the animal or animals to be moved, by clicking on them to highlight them. Select all the animals on the list by clicking **Select** on the bottom button bar. Individuals can then be deselected by clicking on them to take the highlight off.

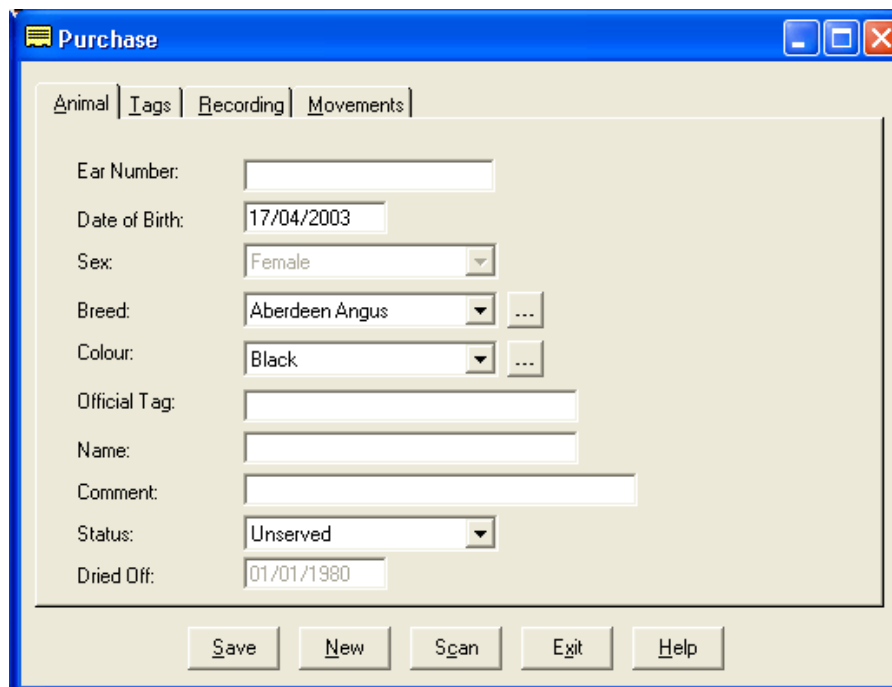
Once you have selected the animals to be moved on the date, click **Save** on the bottom button bar. The movement is then added to the animals' record and they will be removed from the

display.

To bring all the animals back to the display, click **Refresh** on the bottom button bar.

3 7 Purchase (Cows, Calves & Bulls)

Cows, calves and bulls have the same basic detail entered on purchase. Cow purchase however has the ability to enter the last calf they had at the same time. Cow purchase is shown in this example.



The entries should be made as follows -

Ear Number	The Management ID No. of the Animal.
Date of Birth	The cow's date of birth.
Sex	The Sex of the animal. Not accessible in cows.
Breed	Select from the list as set up in Maintenance Utilities above.
Colour	The colouring of the animal.
Official Tag	The Official Ministry ID of the Animal.
Name	The name of the animal if required.
Comment	Any free text remarks you wish to enter..
Status	The first option box sets where she is in the service routine. If you declare

a cow as served or having a P.D. result you must edit in her service in her record later. It may be easier to leave her unserved at this point and enter any services as occurrences after all the cows have been entered.

Click **Save** on the button bar when you have finished.

You will then move to the **Tags** Screen

Purchase

Animal | Tags | Recording | Movements

Ear Number:

Genetic Sire:

Genetic Dam:

Surrogate Dam:

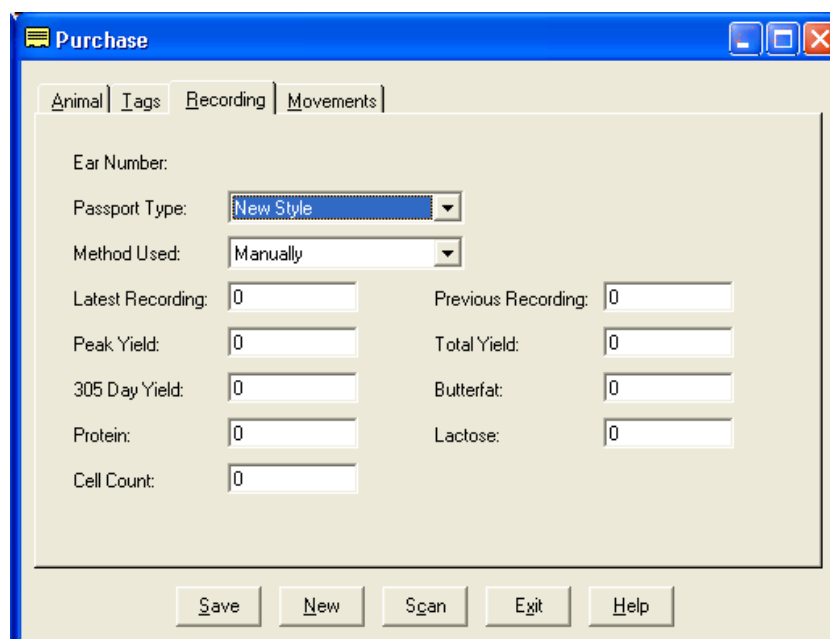
Electronic Tag:

Save New Scan Exit Help

Enter the Numbers of the parents if Available. The Official Numbers go in the longer boxes.

Click Save again to go to the **Recording** Screen.

If it is a cow in milk you are purchasing you can enter any available data for this lactation.



The screenshot shows the 'Purchase' window with the 'Recording' tab selected. The window has a blue title bar and standard Windows window controls. The 'Recording' tab is highlighted in the tab bar. The form contains the following fields:

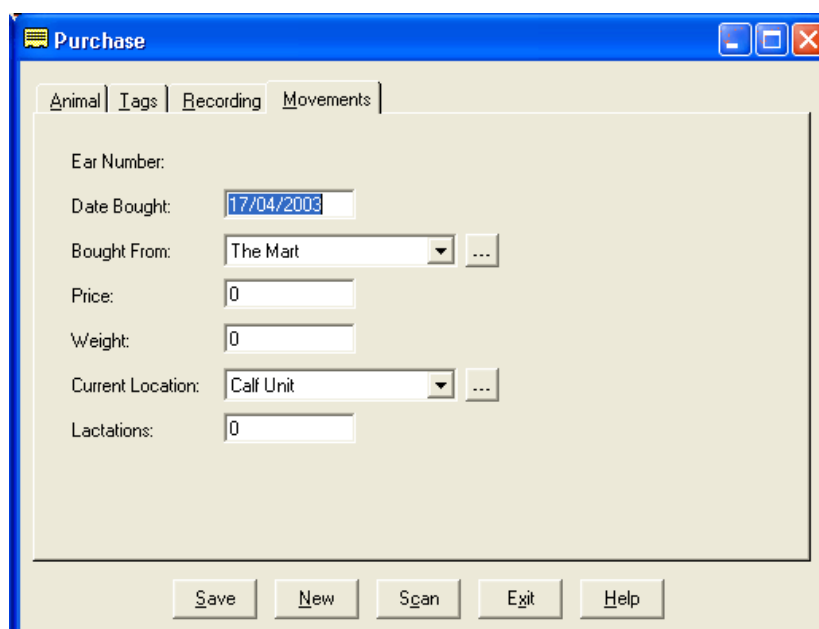
Field	Value
Ear Number:	
Passport Type:	New Style
Method Used:	Manually
Latest Recording:	0
Previous Recording:	0
Peak Yield:	0
Total Yield:	0
305 Day Yield:	0
Butterfat:	0
Protein:	0
Lactose:	0
Cell Count:	0

At the bottom of the window are five buttons: Save, New, Scan, Exit, and Help.

Select the Passport type from the drop down list. The method used should be left at manual for purchased animals.

Enter any available detail of the current lactation.

Click Save to move to the **Movement** Tab. This holds the details of the Purchase.



The screenshot shows the 'Purchase' window with the 'Movements' tab selected. The window has a blue title bar and standard Windows window controls. The 'Movements' tab is highlighted in the tab bar. The form contains the following fields:

Field	Value
Ear Number:	
Date Bought:	17/04/2003
Bought From:	The Mart
Price:	0
Weight:	0
Current Location:	Calf Unit
Lactations:	0

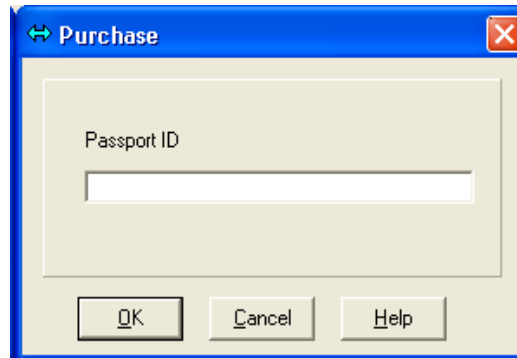
At the bottom of the window are five buttons: Save, New, Scan, Exit, and Help.

If a cow has a calf at foot when purchased you should now go to **Calvings** tab and enter the details of the calving.

Scanning Purchases

Details of the purchased animals can now be scanned in from the Bar-code on the new style cheque book passports.

Go to the purchase routine as normal. Click the Scan Button. You will get the following screen.



Scan the Bar-code on the bottom right of the cover of the passport. This will show a series of numbers and return you to the previous screen with the detail filled in.

The Ear Number is entered as the last 5 digits of the Official Number. You may change this if required.

Click **Save** and you will go through the additional sections as described above..

Click **New** and **Scan** to enter another animal.

This routine should be used for all sales of animals including culling where you wish to claim slaughter premium. It is the same for all three classes of animals with the exception which cows have no grade.

Animal ID	UK Number
0005	UK457897865478
0025	UK457897865483
0074	UK457897865489
0077	UK457897865491
0090	UK457897865492
0158	UK457897865495
0179	UK457897865499
0213	UK457897865504

- Date** The date of the sale.
- Reason** Why the animals were sold. Usually an ordinary sale but you can select other reasons from the cull codes as set up in Maintenance Routines.
- Sold To** Where or to whom the animals were sold. From the list of external locations.
- Weight** The weight of the animal being sold. Where a Grade is entered this is assumed to be the dead weight.
- Price** The price the animal was sold for.
- Grade** (Not in cow sale routine) The slaughter grade of the animal.
- Comment** Free text for any remarks.
- Group** The location the animals to be sold are currently in.
- Individual** Shows all the animals regardless of which group they are in.

You can then select from the list the animal or animals to be sold, by clicking on them to highlight them. It is likely that animals will have to be individually selected and saved with their own unique price, weight and grade. Groups of store animals sold together can be selected and

the average price and weight entered.

The **Print** Button can be useful to get a list of animals pre-sale. Highlight the animals you want to sell, and click the print button. This will give a list of the animals with their Numbers, Date of Birth, Sex, Premium Status and Dam Number if available. It also includes space to fill in the required transport information. Do not use the save option at this point, you will want to wait till after the sale to record price, etc.

Where an animal has an **R** after the number on the screen list, it is in retention for Premium.

Any animal appearing with a **W** on the line is in withdrawal from Drugs.

Once an animal has been sold its record is transferred to the Dead Section of the records. If this is done by mistake you can **“resurrect”** them. Go into the appropriate Dead Record of this animal, select **Sales** then **Options** and the Live/Dead box will appear. Change the tick from Dead to Live. The animal will return to the live records and its record can be corrected from there, remove the incorrect off movement and adjust the status from culled..

3 9 Cull/Casualty (Cows, Calves & Bulls)

This section is used to record deaths of animals. The cow section also has a Declared option. This allows the intention to cull to be recorded. **Animals entered here will not come up on in the Slaughter Premium routine for claim.**

Animal Number	UKAB Number	Sex
2062	UKAB6911 02062	Male
5580	UK457897865580	Female
5581	UK457897865581	Female
5582	UK457897865582	Female
5583	UK457897865583	Female
5584	UK457897865584	Male
5585	UK457897865585	Male
5586	UK457897865586	Female

Cows Only - Type

Actual This is an actual removal from the herd. The record will pass to the dead section at the next period end.

Declared This changes the status of a live cow to “**To Be Culled**”. This status can then be used in selective reporting to find all the animals that are to be culled at the end of a season.

All Animals

Date The date of culling or declaration for culling or death.

Reason Why the animal is to be culled or why it died. From the Cull Code List.

Sold To Where the animal was disposed to, from the External Locations. None if it died on the farm.

Price When an animal has been sold as a casualty the price can be entered.

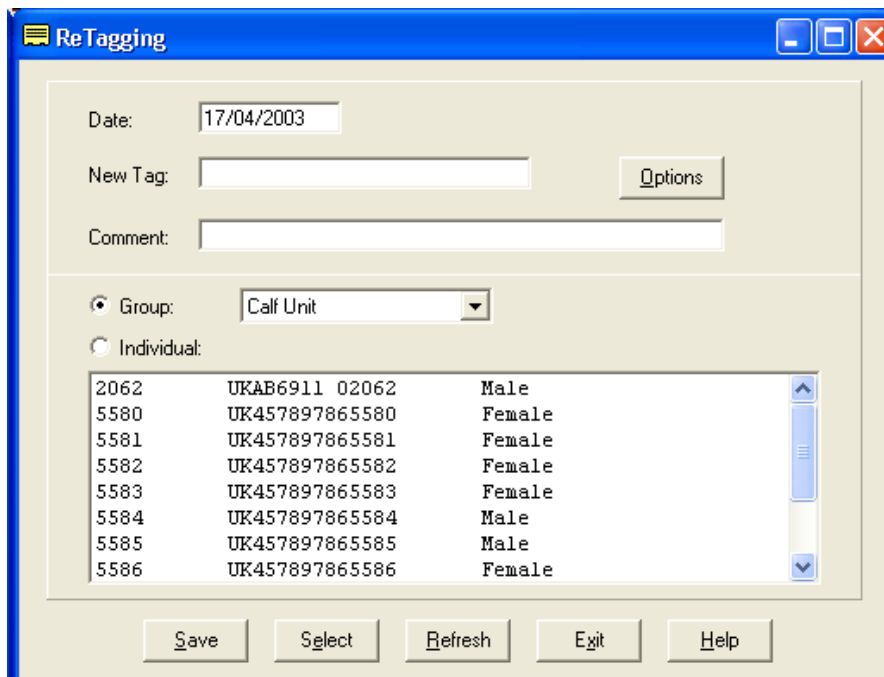
Comment Free text for any remarks.

You can then select from the list the animal or animals to be culled, by clicking on them to highlight them. Select all the animals on the list by clicking **Select** on the bottom button bar. Individuals can then be deselected by clicking on them to take the highlight off.

Once you have selected the animals to be culled or declared on the date, click **Save** on the bottom button bar. The animals’ records are moved to the dead section if it is an actual culling/casualty and they will be removed from the display.

3 10 ReTagging (Cows , Calves & Bulls)

This option allows you to change an animal's Official ID Number. It cannot be edited in the animal record.



The ReTagging dialog box contains the following fields and controls:

- Date:** A text field containing "17/04/2003".
- New Tag:** An empty text field.
- Options:** A button located to the right of the New Tag field.
- Comment:** An empty text field.
- Group:** A radio button that is selected, followed by a dropdown menu showing "Calf Unit".
- Individual:** An unselected radio button.
- Table:** A list of animals with columns for ID, Tag Number, and Sex.

2062	UKAB6911 02062	Male
5580	UK457897865580	Female
5581	UK457897865581	Female
5582	UK457897865582	Female
5583	UK457897865583	Female
5584	UK457897865584	Male
5585	UK457897865585	Male
5586	UK457897865586	Female
- Buttons:** Save, Select, Refresh, Exit, and Help.

Date The date of the retagging.

Metal Tag The new Metal Tag Number being given to the animal.

Options This lets you select Dead records for retagging.

Comment The reason for the retagging. Free text for your own use.

You can then select the animal to be retagged from the list by clicking on it to highlight it.

Once you have selected the animal to be retagged on the date, click **Save** on the bottom button bar. The animal's record will be updated. The old tag number can be found in the tags **Option** of the animal's record.

Enter drying off dates here.

Drying Off

Date: 17/04/2003

To: Group 1

Comment:

☒ Group: Group 1

☐ Individual:

0005	UK457897865478
0077	UK457897865491
0179	UK457897865499
0232	UK457897865507
0272	UK457897865511
0278	UK457897865512
0283	UK457897865513
0295	UK457897865517

Save Select Refresh Exit Help

Date The date of the Drying off.

Comment Free text for any remarks.

Group The location or group the animals to be dried off are currently in.

Individual Shows all the animals regardless of which group they are in.

You can then select from the list the animal or animals to be dried off, by clicking on them to highlight them. Select all the animals on the list by clicking **Select** on the bottom button bar. Individuals can then be deselected by clicking on them to take the highlight off.

Once you have selected the animals to be dried off on the date, click **Save** on the bottom button bar.

3 12 Premium (Calves & Bulls)

This section allows for the Registration for Passports and CID/CCD forms, Beef Special Premium Claims of calves and bulls and Slaughter Premium.

The screenshot shows a software window titled "Premium". It contains several input fields and a list of animals. The "Date" field is set to "17/08/2006". The "Eligible" field is set to "5". The "Type" dropdown menu is set to "Registering". The "Quota" field is set to "0". The "Claimed" field is set to "0". There is a "Comment" text box. Below these fields, there are two radio buttons: "Group" (selected) and "Individual". The "Group" dropdown menu is set to "Calf Unit". Below the radio buttons, there is a table of animals.

5586	UK457897865586	Female
5587	UK457897865587	Female
5588	UK457897865588	Male
5589	UK457897865589	Male
5590	UK457897865590	Male

At the bottom of the window, there are six buttons: "Save", "Print", "Select", "Refresh", "Exit", and "Help".

A. Registering

Animals which have not been previously registered will be displayed.

Animals which have already been registered by using Registrations by Email or Registrations by CTSONline will not show here.

Group Selecting a group lists only those animals in that group for claiming.

Individual Selecting Individual will show all eligible animals in the business regardless of group.

The animals are listed in Official Tag No. order. Click **Select** on the Bottom Button Bar to highlight all the animals. Individuals not to be claimed can then be clicked to remove them.

Alternatively animals can be individually clicked to highlight them.

When you are happy that the list is correct, and you have printed the list for your record, click **Save**. This will update the individual animal records with the claim.

If you have made errors these have to be corrected in the individual animal record.

B. Beef Calf Premium (Scotland Only)

Animals which have not previously been claimed will be displayed.

Animals which have already been registered by using the Beef Calf Scheme routine in the Mail section will not be displayed.

Only animals which qualify under the rules of the scheme will be displayed. Qualifying animals may be live or dead.

1. They were born within your business and remained within the business for the first 30 days of their lives.
2. They lived for 30 days.
3. They are 3/4 beef animals. The criteria used are; the Sire is a recognised beef breed and the Dam is a cross of a recognised beef breed. These breed codes are as set out by BCMS & SEERAD. Any other breed code will not qualify.

Group Selecting a group lists only those animals in that group for claiming.

Individual Selecting Individual will show all eligible animals in the business regardless of group.

The animals are listed in Official Tag No. order. Click **Select** on the Bottom Button Bar to highlight all the animals. Individuals not to be claimed can then be clicked to remove them.

Alternatively animals can be individually clicked to highlight them.

When you are happy that the list is correct, click print and the list for claim will be printed. Click **Save** and this will update the individual animal records with the claim.

If you have made errors these have to be corrected in the individual animal record.

3 13 Weighing (Cows, Calves & Bulls)

This routine is used to enter weights of animals manually.

Ear Number	Official Tag	Weight
*		

Date The date of the weighing.

Method Manually - type the entries into the screen by entering the animal number followed by the weight.
Manually into a List - Shows a list of the animals in a group or all if individual is selected. Type the weights into the weight column.

Comment Free text to enter any comment you wish to record.

Group Use this to select a particular group of animals.

Individual This gives all the animals on the farm regardless of group.

To enter a weight, type the animal management number, enter its weight in the weight box, continue until all the weights have been recorded.

3 14 External Transfer (Cows, Calves & Bulls)

This section allows for the transfer of animals between separate businesses on the system. The complete animal record is moved without the need to re-enter all the detail. For this to be effective, **both businesses should have the same code lists**. The transfer can be recorded as a sale, this effectively shows as a sale and purchase in the separate businesses, or a simple transfer, where the animal data transfers out of one business into the other.

Transfer

Date: 17/04/2003 To: 1. Home Farm

From: Calf Unit ... Beef Heifers ...

☐ Record As Sale Price: 0

☐ Group: Group 1

☒ Individual

0005	UK457897865478
0012	UK123456212345
0014	UK457897865479
0015	UK457897865480
0018	UK457897865481
0023	UK457897865482
0025	UK457897865483
0026	UK457897865484

Save Select Refresh Exit Help

Date The date the transfer is to be recorded on.

From The location within the current business from which the animals are to be moved.

To Select the business the animal is to be transferred to, from the list in the top box.
Select the group in that business from the second box.

Record as Sale If the transfer is to be recorded as a sale, click in this box.

Price If this is a sale, enter the price.

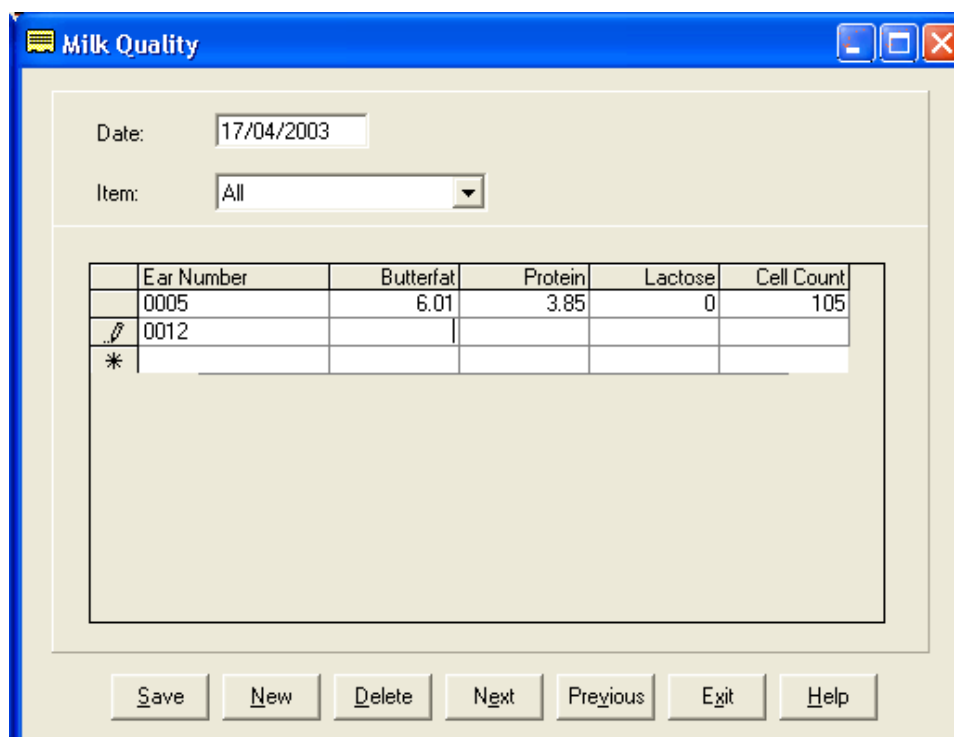
Group Selecting a group lists only those animals in that group.

Individual Selecting individual will show all the animals regardless of the group.

Click **Select** on the Bottom Button Bar to highlight all the animals. Individuals not to be transferred can then be clicked to remove them. Alternatively animals can be individually clicked to highlight them. The price can then be entered for each, click **Save** to record the transfer.

3 15 Milk Quality (Cows)

This section is used to enter the milk analysis for individual cows manually.



The screenshot shows a software window titled "Milk Quality". Inside the window, there is a "Date:" label followed by a text box containing "17/04/2003". Below this is an "Item:" label followed by a dropdown menu currently showing "All". The main area of the window contains a table with the following data:

	Ear Number	Butterfat	Protein	Lactose	Cell Count
	0005	6.01	3.85	0	105
	0012				
*					

Below the table is a large empty rectangular area. At the bottom of the window, there is a row of buttons: "Save", "New", "Delete", "Next", "Previous", "Exit", and "Help".

To enter the analysis enter the cow's management number followed by its butterfat, protein, etc. Move onto the next line for the next cow and carry on until finished.

This section is used to enter the 305 day yield and analysis at the end of the lactation.

Ear Number	305 Yield	Butterfat	Protein	Lactose
*				

Enter the Management number of the cow and fill in the following as required.

305 Yield Enter the 305 day Yield

Butterfat Enter the Butterfat Average for the lactation.

Protein Enter the Protein figure for the lactation..

Lactose Enter the Lactose Average for the lactation.

Cell Count Enter the Cell Count Average for the lactation.

Comment Free text to enter any comment you wish to record.

Continue until all the required cows have been entered and click save.

3 17 **Group Change** (Cows)

This section is used to transfer animals from one management group to another.

Date: 17/04/2003

To: Group 2

Comment:

☒ **Group:** Group 1

☐ **Individual:**

0005	UK457897865478
0025	UK457897865483
0074	UK457897865489
0077	UK457897865491
0090	UK457897865492
0158	UK457897865495
0179	UK457897865499
0213	UK457897865504

Buttons: Save, Select, Refresh, Exit, Help

Date Enter the date of the group change

To Select the group the animals are being moved to.

Comment Enter any comment you wish to record as free text.

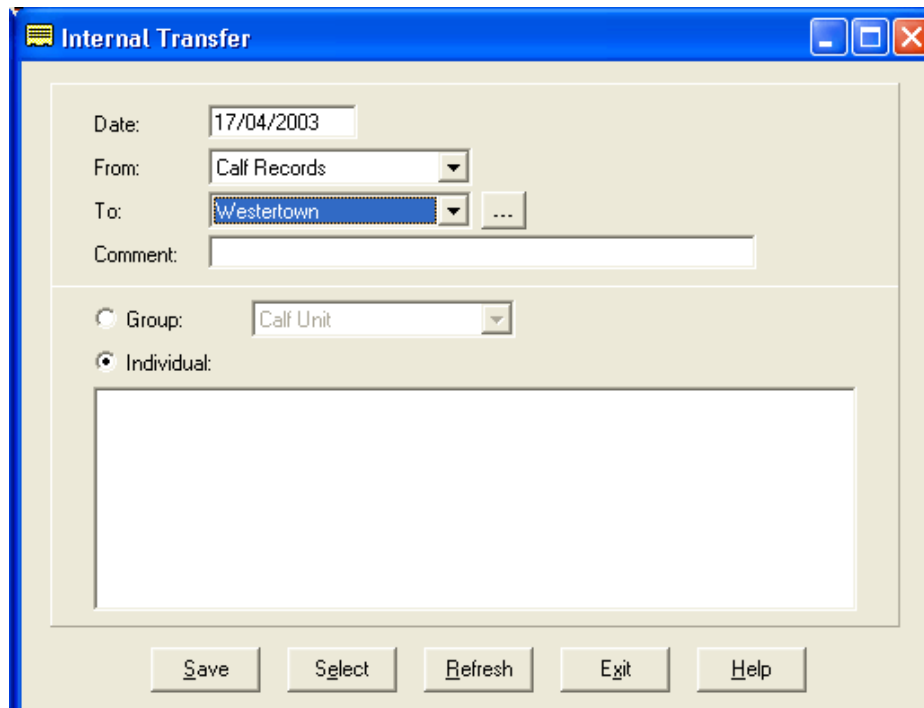
Group Use this to select the particular group of animals which are to be changed.

Individual This gives all the animals on the farm regardless of group.

To enter the group change, highlight the animals to be changed and click **Save**.

3 18 **Internal Transfer (Cows Calves & Bulls)**

Used to transfer animals from one category to another. For example moving heifers from Calves to Cows before calving.



Date Enter the date of the transfer

From Enter which category you are moving the animals from.

To Enter the location you wish to move them to. This may be the location they are already in.

Comment Enter any comment you require.

Group Use this to select the particular group of animals which are to be changed.

Individual This gives all the animals on the farm regardless of group.

Certain rules apply.

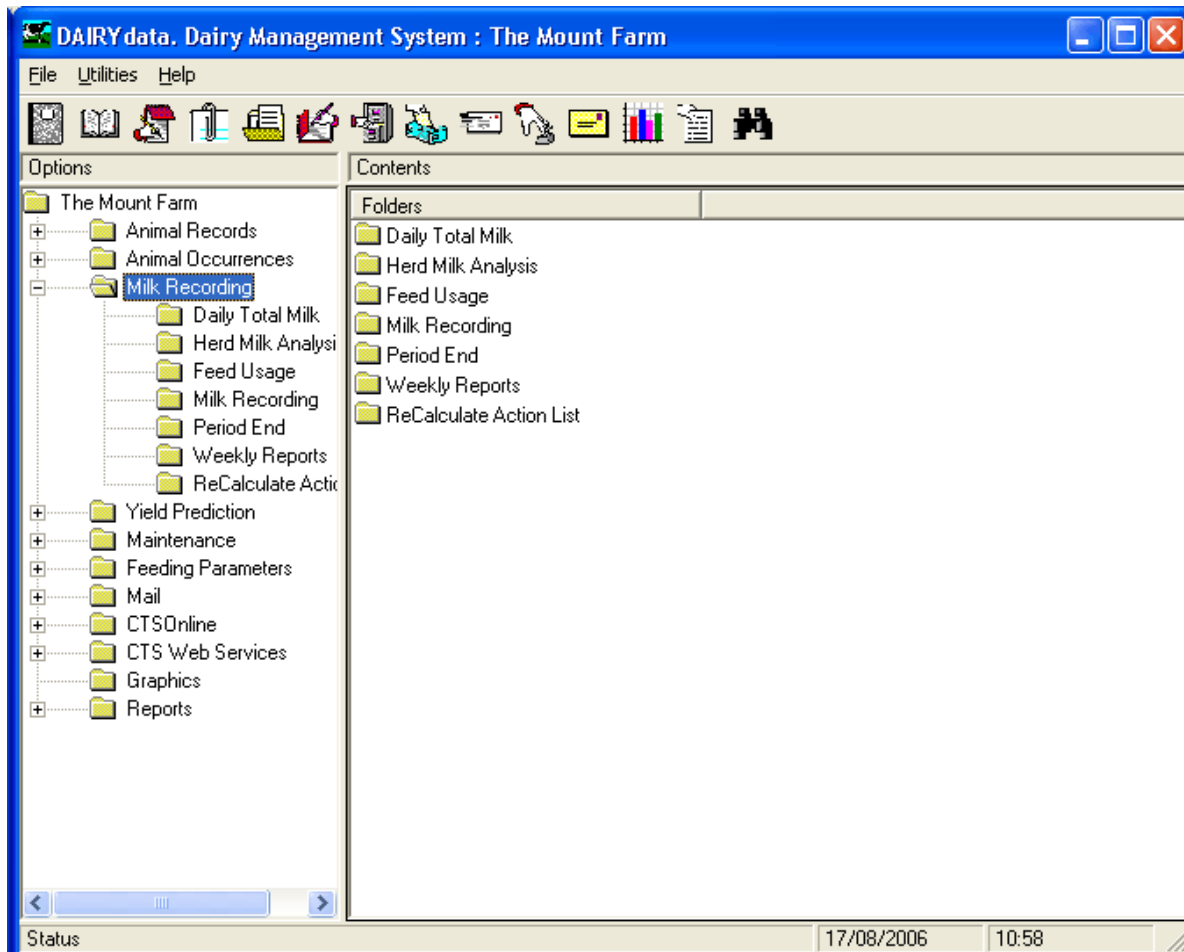
Heifers can only become cows if they are served.

Cows can only move back to calves if they have not themselves had a calf.

Calves can only become Bulls if their sex is set to Bull.

CHAPTER 4 Milk Recording

This section is used to record milk production, milk quality and feed usage. It also produces the reports related to milk production and financial performance.



4 1 **Daily Total Milk**

This section is used to enter the actual daily milk total and, if you have elected to record feed usage for MOPF in the maintenance section, the daily concentrate usage.

Daily Total Milk

Date: 01/01/1980

Type: ☒ All ☐ 13/03/2001 onwards:

	Date	Total Milk	Total Concs
	04/03/2001	0.00	425.20
	05/03/2001	0.00	425.20
	06/03/2001	0.00	425.20
	07/03/2001	0.00	391.50
	08/03/2001	0.00	391.50
	09/03/2001	0.00	391.50
	10/03/2001	0.00	391.50
	11/03/2001	0.00	391.50
	12/03/2001	0.00	391.50
	13/03/2001	0.00	391.50
*			

Save New Delete Report Next Previous Exit Help

Each new date appears at the bottom of the list. Simply type in the entries as required. The list can be shortened to recent dates by click in the check dot at the top.

Incorrect entries can be changed simply by clicking on the error and reentering the correct data.

This holds the bulk tank analysis recorded for the past recording interval.

Date:

Type: ☒ All ☐ 13/03/2001 onwards:

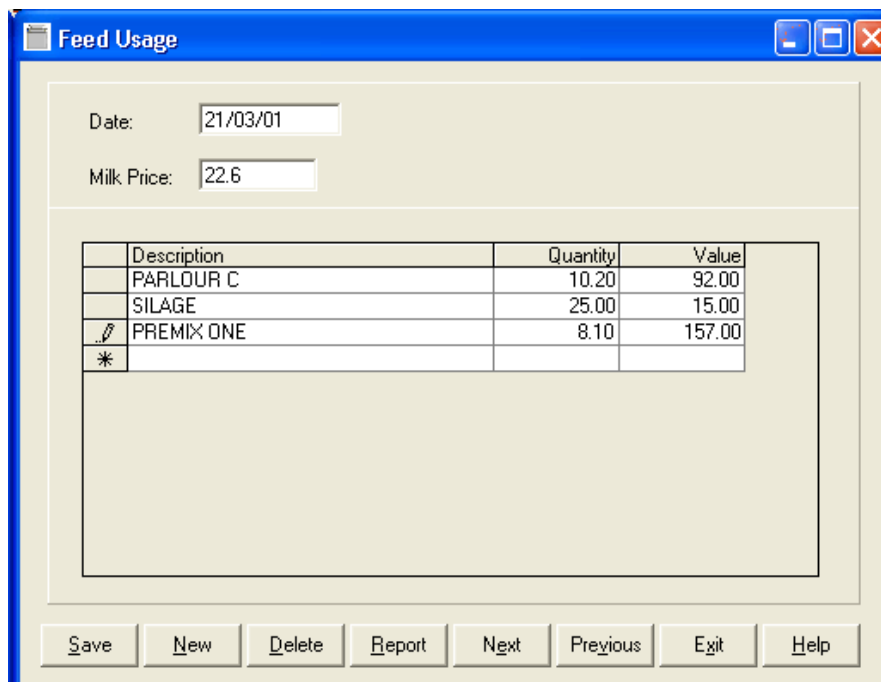
	Date	Butterfat	Protein	Lactose	Cell Count	Bacterial Count
▶	16/01/2001	6.32	4.31	0.00	0.00	0.00
	30/01/2001	6.33	4.31	0.00	0.00	0.00
	06/02/2001	6.34	4.26	0.00	0.00	0.00
	13/02/2001	6.40	4.30	0.00	0.00	0.00
	20/02/2001	6.41	4.29	0.00	0.00	0.00
	27/02/2001	6.39	4.30	0.00	0.00	0.00
	06/03/2001	6.40	4.29	0.00	0.00	0.00
	13/03/2001	6.30	4.30	0.00	0.00	0.00
*						

Each new entry can be added at the bottom of the list. Simply type in the new line and enter date and results as required. The list can be shortened to recent dates by click in the check dot at the top.

Incorrect entries can be changed simply by clicking on the error and reentering the correct data.

4 3 Feed Usage

This option is only available if you have selected to record feed usage in the maintenance section in order to calculate MOPF.



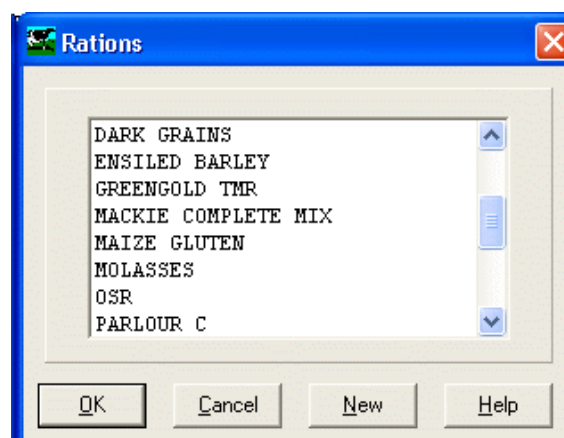
The 'Feed Usage' window contains a 'Date' field with the value '21/03/01' and a 'Milk Price' field with the value '22.6'. Below these fields is a table with three columns: 'Description', 'Quantity', and 'Value'. The table contains three rows of data: 'PARLOUR C' with a quantity of 10.20 and a value of 92.00; 'SILAGE' with a quantity of 25.00 and a value of 15.00; and 'PREMIX ONE' with a quantity of 8.10 and a value of 157.00. There is an empty row with an asterisk in the 'Description' column. At the bottom of the window are buttons for 'Save', 'New', 'Delete', 'Report', 'Next', 'Previous', 'Exit', and 'Help'.

Description	Quantity	Value
PARLOUR C	10.20	92.00
SILAGE	25.00	15.00
PREMIX ONE	8.10	157.00
*		

Enter the date of the recording

Enter the Milk Price for the recording period

For each feed currently being used by the herd you should enter the total usage, in Kgs for the recording period. Type the first letter of the feed, press enter and a drop down list of feeds will appear.



The 'Rations' window displays a list of feed items in a scrollable area. The list includes: 'DARK GRAINS', 'ENSILED BARLEY', 'GREENGOLD TMR', 'MACKIE COMPLETE MIX', 'MAIZE GLUTEN', 'MOLASSES', 'OSR', and 'PARLOUR C'. At the bottom of the window are buttons for 'OK', 'Cancel', 'New', and 'Help'.

This is a list of feeds as set up in **Feed Parameters -> Rations** section of the program and are priced as set there.

New feeds may be added at this point by clicking **New**.

The system will allocate the feed usage as described in the chapter on Feed Parameters.

Once you have entered all the feeds click save and exit.

4 4 Milk Recording

This section is used to enter the individual milk recording for each cow.

There are three methods of recording available, Standard, Random and importing data from another source. This other source may be from the parlour system or other organisations.

A Standard

First enter the date of the recording. And the quantity of milk produced for these recordings. This should include any milk used for calves as well as what went in the tanker. This is used to measure the accuracy of the recording.

Ear Number	Group	Rec 1	Rec 2
0005		10.20	9.80
0012		7.60	6.50
*			

You then should enter, for each cow and heifer in turn, the ear number, management group and recordings. Up to three recordings can be entered in any day.

Once all the entries have been made you should **Print** the list. This can be checked for missing entries or errors. These can corrected by editing the entries on the screen.

If you wish to exit before all entries are made click **Save**. These entries will be retained and then continued later.

B Random

First enter the date of the recording. And the quantity of milk produced for these recordings. This should include any milk used for calves as well as what went in the tanker. This is used to measure the accuracy of the recording.

	Ear Number	Rec 1
	0005	10.50
	0012	7.6
*		

The recording is split into individual recording periods, for example recording 1 may be evening and recording 2 morning.

For recording period1 enter the cow number and yield for that period. Then go to recording 2 and do the same.

Once all the entries have been made you should **Print** the list. This can be checked for missing entries or errors. These can corrected by editing the entries on the screen.

If you wish to exit before all entries are made click **Save**. These entries will be retained and then continued later.

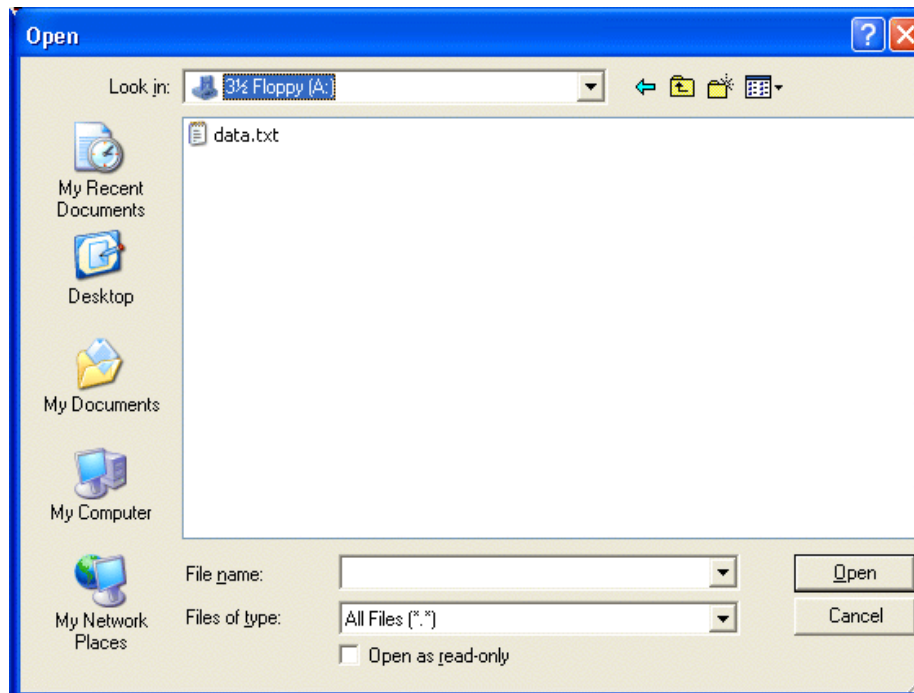
This routine does not record group changes, these have to be entered in the occurrences routines.

C Import

The settings in Maintenance -> Business Parameters -> Recording -> Region have to be set to suit the type of data being imported.

First enter the date of the recording. And the quantity of milk produced for these recordings. This should include any milk used for calves as well as what went in the tanker. This is used to measure the accuracy of the recording.

Click the **Import** Button, you then need to select the file containing the data and click **Open**.



The data will then appear listed in the screen. You should **Click Save** and then **Print** the list. This can be checked for missing entries or errors. These can be corrected by editing the entries on the screen.

If you wish to exit before all entries are made click **Save**. These entries will be retained and then continued later.

This routine does not record group changes, these have to be entered in the occurrences routines.

Printout of Recordings

At the top of list will be any entries made to non-existent cows and any duplicate entries. It then lists all cows, with yields entered or cows in milk which should have entries, in cow number order. The Following is listed.

Cow No.

Date calved

Group The Cows Management Group

Recordings Each Individual Recording. **NR** Indicates a cow with a missing recording in a set, for example, no morning recording but an evening recording. An entry is **Asterisked** if it differs from the average of all entries at this period by more than the Recording Trigger as set in Maintenance-> Business Parameters -> Recording. This highlights any large difference between night and morning recordings for example. **Missing** indicates that no entry has been made for a cow in milk.

This Week The total of this weeks recordings. It is asterisked if it differs by more than the drop in yield trigger as set in Maintenance-> Business Parameters -> Recording.

Last Week Last recordings total daily yield.

Week Before The total at the recording before **Last Week**.

Milk to Date The Total Milk for this Lactation to date.

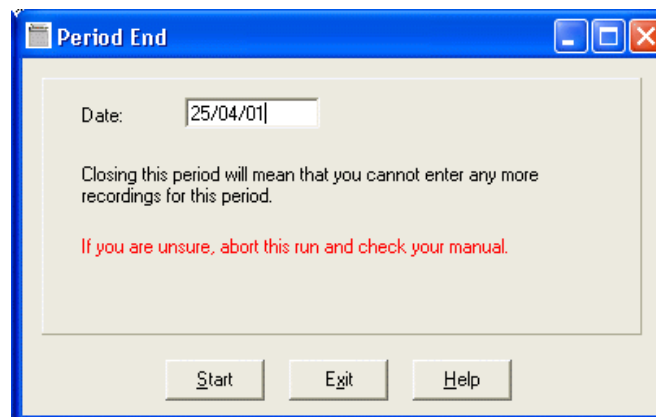
If the cow is on record as Dry but has a recording the message **Dry Cow** appears.

After this print you may go back to the milk recording to amend any errors, add any occurrences or correct any records.

You should not proceed to close the period until you are happy that te milk yields are correct. You may repeat the printout as often as required, nothing is updated until the period is closed.

4 5 Period End

Once all the occurrences, daily total milk, herd milk analysis, feed usage and milk recordings have been entered for the period you should proceed to close the period.



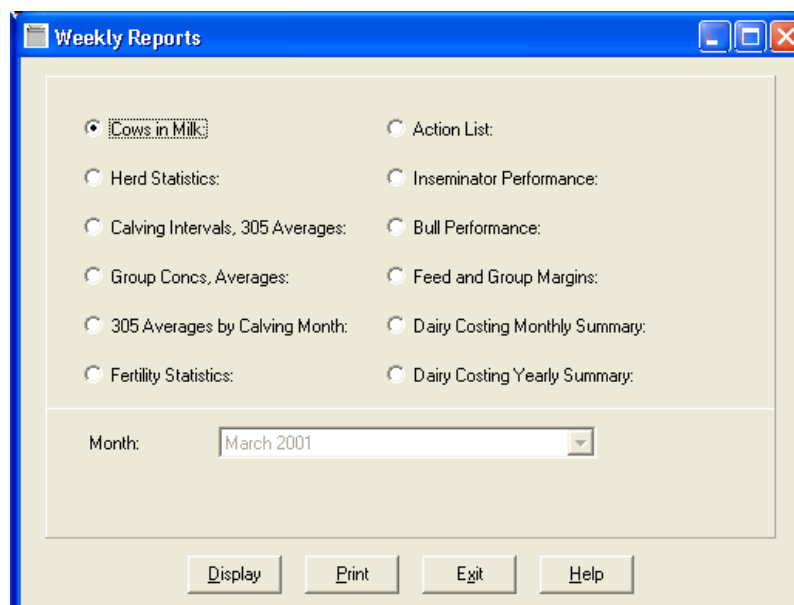
This effectively closes the period. And no changes can be made to the recording.

The system runs through the cows updating the milk figures and calculating the feed requirements. The cow records are updated, culls and sales are transferred to the dead files and lactation records updated for newly calved cows.

This then enables reports to be formulated with the up to date information in the weekly reports section.

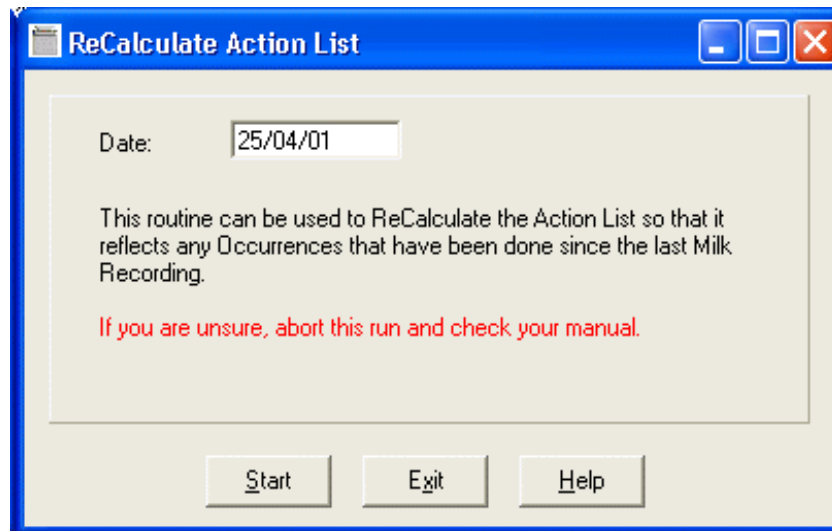
4 6 Weekly Reports

These reports are updated by the period end routine. Each can be printed out or displayed as required. Example reports and explanation are given in the Appendix E.



This is used between recordings to bring action lists up to date.

If you are working with monthly recordings but wish to update the action list weekly you should put in the occurrences weekly. Once these have been entered you can run this routine at the required date to recalculate the action list. It can then be reproduced in the weekly reports with the up to date information.



CHAPTER 5 Feed Parameters

The feed calculation for parlour concentrate requirement of milking cows need the following elements.

1 Forage The value of the forage consumed. This is set in Maintenance -> Business Parameter -> Forage. It is set as value in litres per day over and above the maintenance requirement. It is represented therefore as + or - a number of litres. + id forage provides more than maintenance - if forage provides less than maintenance **This represented in formula by M_j**

2 Parlour Feeders Constraints

These are set in Maintenance -> Business Parameter -> Parlour.

A The Maximum Concentrates in Kg/day to be fed to each cow and heifer in the parlour.

The Minimum Concentrates in Kg/day to be fed to each cow and heifer in the parlour.

The above two values override the calculated values if calculated values fall outwith the constraints.

B The in parlour concentrate value, in Kg/Litre, to convert the milk yield to Kgs of Cake. **This represented in formula by C**

C The graduation, in Kgs, of the parlour feeder. This is so the calculated value can be rounded to a rate setable within the parlour.

3 Out of Parlour Concentrate Value.

This is set for each management group in this section. **This represented in formula by i**

Each management group has

The allowance in litres of milk for concentrates fed outside the parlour. That is to say, the quantity of milk that out of parlour feed is reckoned to produce per cow per day. **This represented in formula by A_i**

The extra allowance, in litres of milk, for heifer concentrates. This is to allow heifers in each group to be fed to a higher level than their actual yield would allow. **This represented in formula by H_i**

4 Lead Feed Parameters

There are two methods of lead feeding available, the Parameters are set in Maintenance -> Business Parameter -> Parlour.

A Potential Yield

Potential yields for cows (Pc) and Heifers (Ph) are specified. If the cow is to be lead fed then either this potential yield or her peak yield so far this lactation, which ever is higher, will be used in the feed calculation. This carries on for the set number of days.

B Peak Yield Plus

The amount over (or under) the cows (Pc) or heifers (Ph) peak this lactation is specified. If the cow is to be lead fed then she will be fed to her peak so far this lactation plus the amount specified. This carries on for the set number of days.

The Calculation

To calculate the concentrate requirement for each cow or heifer in milk the following method is used. If the Number of days since calving is within the specified Lead Feed period, the yield (Y) used is calculated as defined in the previous section, otherwise the actual yield is used.

The weight in Kgs of concentrate to be fed in the parlour is then calculated to be

$$[Y - M_j - A_i + H_i \text{ (heifers only)} \times C]$$

Assuming the cow or heifer is in management group **i**.

The value is then checked for being within the maximum and minimum range and is adjusted as required. A maximum of 0 is ignored. The calculated value is that for daily concentrates, dividing this by the number of milkings per day gives the concentrate requirement per milking.

5 1 Feeding Parameters

Groups

The individual group parameters are set in the screen below.

To create a new group click **New**.

Group Number and Description should be entered as required

Times Milk Number of milkings per day for this group

Concentrates Per Cow The Value of concentrates fed to this group outside the parlour.

Concentrates per Heifer The extra value of concentrates to be fed to heifer within this group over and above yield requirement.

Management Groups

Groups | Budgeting

Group: 1

Description: Group 1

Times Milked: 2

Concs for Cows: 0

Concs for Heifers: 2

Save New Delete Find Next Previous Exit Help

When completed click **Save**.

5 2 Feed Budgeting

If you have selected to record the Feed Usage in the business parameters then the system needs to know which feed are being used.

Management Groups

Groups | Budgeting

Group: 1

Description: Group 1

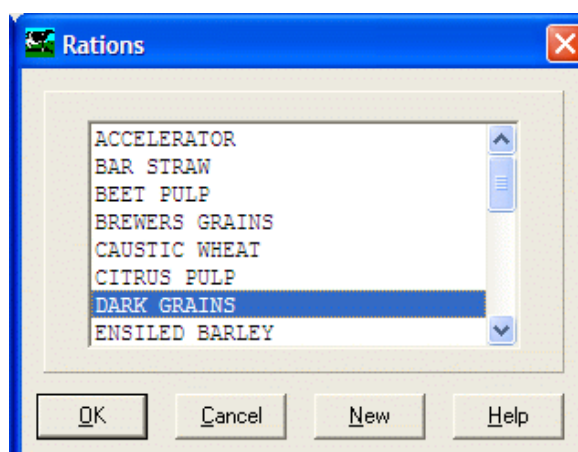
Description	Quantity	Price
PARLOUR C	2.60	92.00
SILAGE	10.00	15.00
PREMIX ONE	11.50	157.00
*		

Save New Delete Find Next Previous Exit Help

For each management group you should enter the feeds being used and a an estimated quantity in Kgs/cow/day.

The feeds and there prices are held in the rations section of Feed Parameters. You can amend or add feeds in this section at any time.

To add a feed to the budget type the first letter of the name and a list of feeds can be picked from.



New Feeds can be added to the list by clicking **New**.

The first feed nominated in each group is taken to be the individual feed whose value has been calculated in the previous section. This would normally be the feed which is used in the in parlour feeder. You must supply budgeted figures for the other feeds so that the system can apportion actual feed usage over the groups and thence to the cows in groups.

For Example, say that there are four management groups and you have entered the following budgets (kgs/cow/day), the figures in brackets are the total budgets for the week.

	Group 1	Group 2	Group 3	Group 4	Total
No. Of Cows	10	15	12	6	
Feed 1	2.86 (200)	5.81 (400)	3.37 (300)	2.38 (100)	1000
Feed 2	2.86 (200)	0.95 (100)	1.19 (100)	2.38 (100)	500
Feed 3	0.14 (10)	0.095 (10)	0.36 (30)	1.19 (50)	100

Then if your actual feed usage for a week was 1500, 1000, 400 for feeds 1, 2 & 3 respectively, the system would calculate the following actual feed usage for each group.

	Group 1	Group 2	Group 3	Group 4	Total
No. Of Cows	10	15	12	6	
Feed 1	300	600	450	150	1500
Feed 2	400	200	200	200	1000
Feed 3	40	40	120	200	400

To get the individual usage for each cow, for all but the individual feed, the quantity of feed is divided by the number of cows in the group. So, if group 1 in our example has 10 cows each would be allocated 40 Kgs of feed 1 and 4 Kgs of feed 2.

For the individual feed, say one cow in group 1 has her daily total parlour concentrate at 3 Kg i.e. 21 Kg for the week, then her usage for the week would be calculated as $300 \times 21 / 200$ i.e. 31.5 Kg.

From the above you will see that it is only the relative proportions of the feed budgets that are important not the actual values.

From the feed prices, the system can then allocate the total cost of feed for the period. Given the price of milk, the system can calculate the total value of milk produced in the period and from these two produce a margin.

This section holds the list of materials available for use in the feed budgeting and rationing.

Code	Description	Type	Price (£)	Wet/Dry	DCP %	Degrad.	DM %	Fibre %	MER MJ/Kg	Protein %
1	PARLOUR C	C	92	D	0	0	0	0	0	0
11	BAR STRAW	F	25	W	0.8	0.69	86	34	6.3	3.3
15	BREWERS GRAINS...	B	14.5	D	0	0	0	0	0	0
17	MOLASSES	C	79	D	0	0	0	0	0	0
18	BEET PULP	C	79	D	0	0	0	0	0	0
19	WHEAT	C	85	W	9.2	0.79	84	2.3	11.6	10.5
2	SILAGE	F	15	D	0	0	0	0	0	0
21	OSR	C	110	D	0	0	0	0	0	0
22	RAPE MEAL	C	145	D	0	0	0	0	0	0
23	CITRUS PULP	C	92	D	0	0	0	0	0	0
24	MAIZE GLUTEN	C	86	D	0	0	0	0	0	0
27	SOYA	C	158	D	42	0.67	90	7	13	47
3	PREMIX TWO	C	111	D	0	0	0	0	0	0
36	PREMIX ONE	C	157	D	0	0	0	0	0	0
37	CAUSTIC WHEAT ...	C	73	D	0	0	0	0	0	0
5	Barley	C	80	W	7.6	0.9	86	4.5	11.1	10

Each feed can be opened by double clicking on it to show the detail.

Ration/Material Details		
Code:	19	
Description:	WHEAT	
Type:	Concentrate	
Price: (£/tonne) (as fed):	85	
Analysis:	Wet	

Analysis Details		
D.C.P	9.2	MJ/Kg
Degradability	0.79	
Dry Matter	84	%
Fibre	2.3	%
M.E.R	11.6	MJ/Kg
Protein	10.5	%

The detail of each material is split into 2 groups:

a. Material Details

Comprise of :

Code.	A unique Material Code up to 4 characters long.
Description.	A Description of the material up to 20 characters long.
Type	A classification of the material as Homegrown Forage (F), Purchased Forage (S) Concentrate (C), Homegrown Bulk Feed (H), Purchased Bulk Feed (P), or Dairy Cake (D).
Price	The Price per Tonne as fed.
Analysis	The analysis carried out on the material being on a Wet or Dry matter basis.

b. Analysis Details

Comprise of :

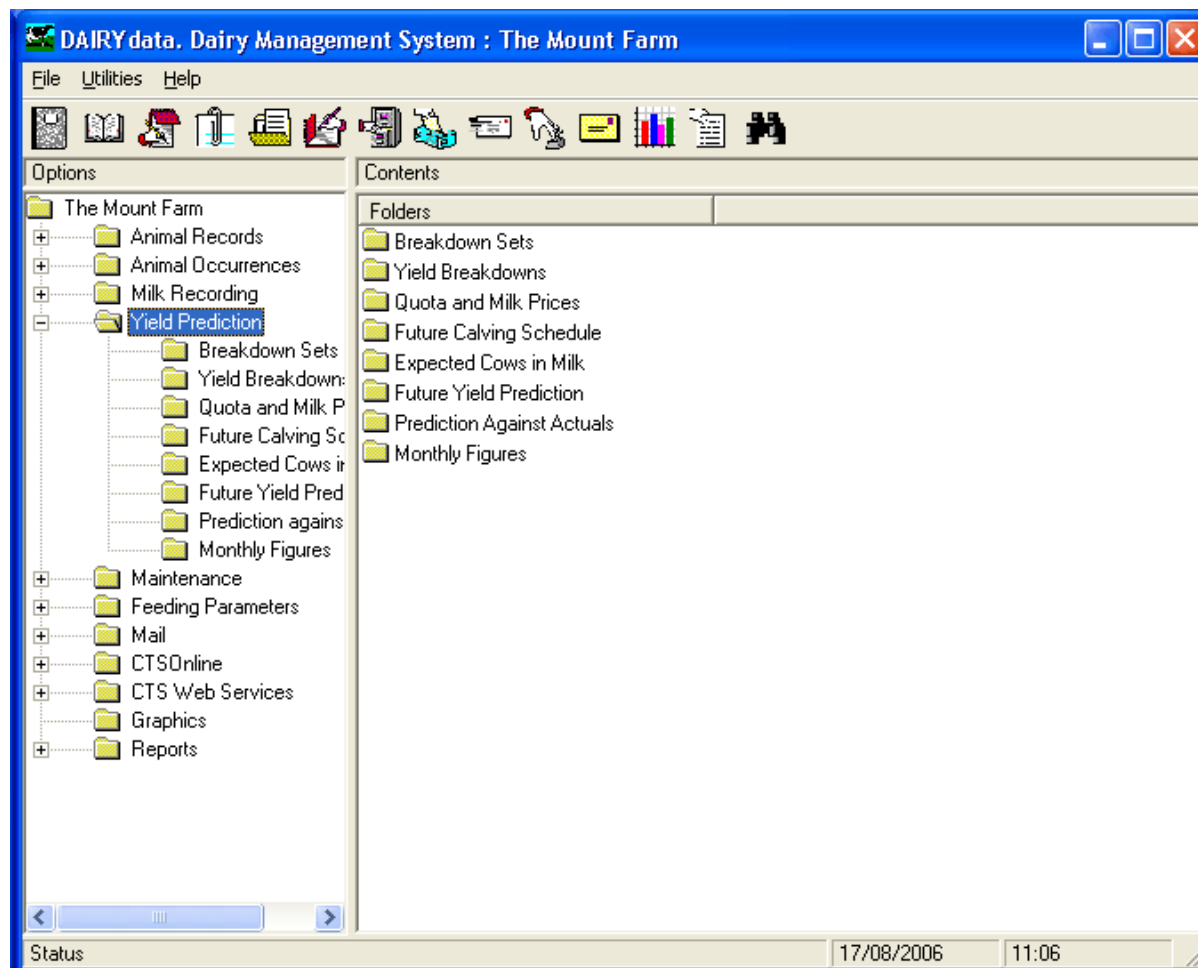
A Description of the analysis type.

The Value of the analysis type.

The Unit of the analysis type.

CHAPTER 6 Yield Prediction

This section allows for the prediction of future yields and their comparison with quota nad actual figures.



6 1 Breakdown Sets / Yield Breakdowns

This section holds matrices of yield breakdowns which are used in yield prediction and comparisons.

You create as many matrices as you require, each created in Breakdown Sets.

Each breakdown set consists of a monthly production breakdown for each calving month, for both heifers and cows.

Month	Jan	Feb	Mar	Apr	May	Jun
Jan	12.30	0.00	0.00	4.70	6.40	7.40
Feb	12.00	11.00	0.00	0.00	4.50	5.90
Mar	13.00	13.50	12.40	0.00	0.00	5.30
Apr	11.90	12.80	13.40	12.40	0.00	0.00
May	12.10	13.20	14.30	15.10	14.10	0.00
Jun	10.40	11.70	12.80	13.80	14.60	13.80
Jul	8.70	9.90	11.00	12.00	13.20	14.10
Aug	7.50	8.50	9.40	10.60	11.70	13.00
Sep	6.70	7.50	8.40	9.50	10.80	12.00
Oct	5.40	6.80	7.60	8.60	9.70	11.20
Nov	0.00	5.10	6.10	7.00	7.90	9.10
Dec	0.00	0.00	4.60	6.30	7.10	8.20

Select the set you wish to work on from the drop down list. New sets can be created by clicking on the three dot button.

Each set has both heifer and cow breakdowns, select the type by using the dot.

The Matrix consists of Calving Months along the top and months of lactation down the side. So, in the example above, a January calving heifer is expected to produce 12.3% of her 305 day yield in her first month, January. 12.00% in her second month, February and so on.

12 months are available for each calving month to allow for extended lactations beyond 305 days (10 months) if required.

Totals are available in the end column to give an idea of variation in production through the year.

6 2 Quota and Milk Prices

This section contains both the past 12 months values and the future 12 months values. As time passes they move from Future to Past

Type: ☒ Past: ☐ Future:

Month	Year	Quota	Price
▶ Mar	2000	42000.00	25.00
Apr	2000	42000.00	25.00
May	2000	42000.00	24.00
Jun	2000	42000.00	20.00
Jul	2000	42000.00	18.00
Aug	2000	42000.00	19.00
Sep	2000	42000.00	20.00
Oct	2000	42000.00	21.00
Nov	2000	42000.00	22.00
Dec	2000	42000.00	25.00
Jan	2001	42000.00	25.00
Feb	2001	42000.00	24.00

Save Report Next Previous Exit Help

You can enter your estimated quota allocation for each month based on you future yield prediction. Predicted milk price for each month can also be entered.

6 3 Future Calving Schedule

The first screen allows for the entry of the predicted heifers entering the herd for the next ten months.

1. March: 5 6. August: 0
2. April: 10 7. September: 0
3. May: 4 8. October: 0
4. June: 2 9. November: 0
5. July: 2 10. December: 0

Display Print Exit Help

You can then click Display or Print to get a matrix for both cows and heifers showing the prediction of animals in milk, calvings and drying offs for the next ten months. Once calculated the results are held and can be examined in the Expected Cows In Milk Section and are used in the Yield Prediction section.

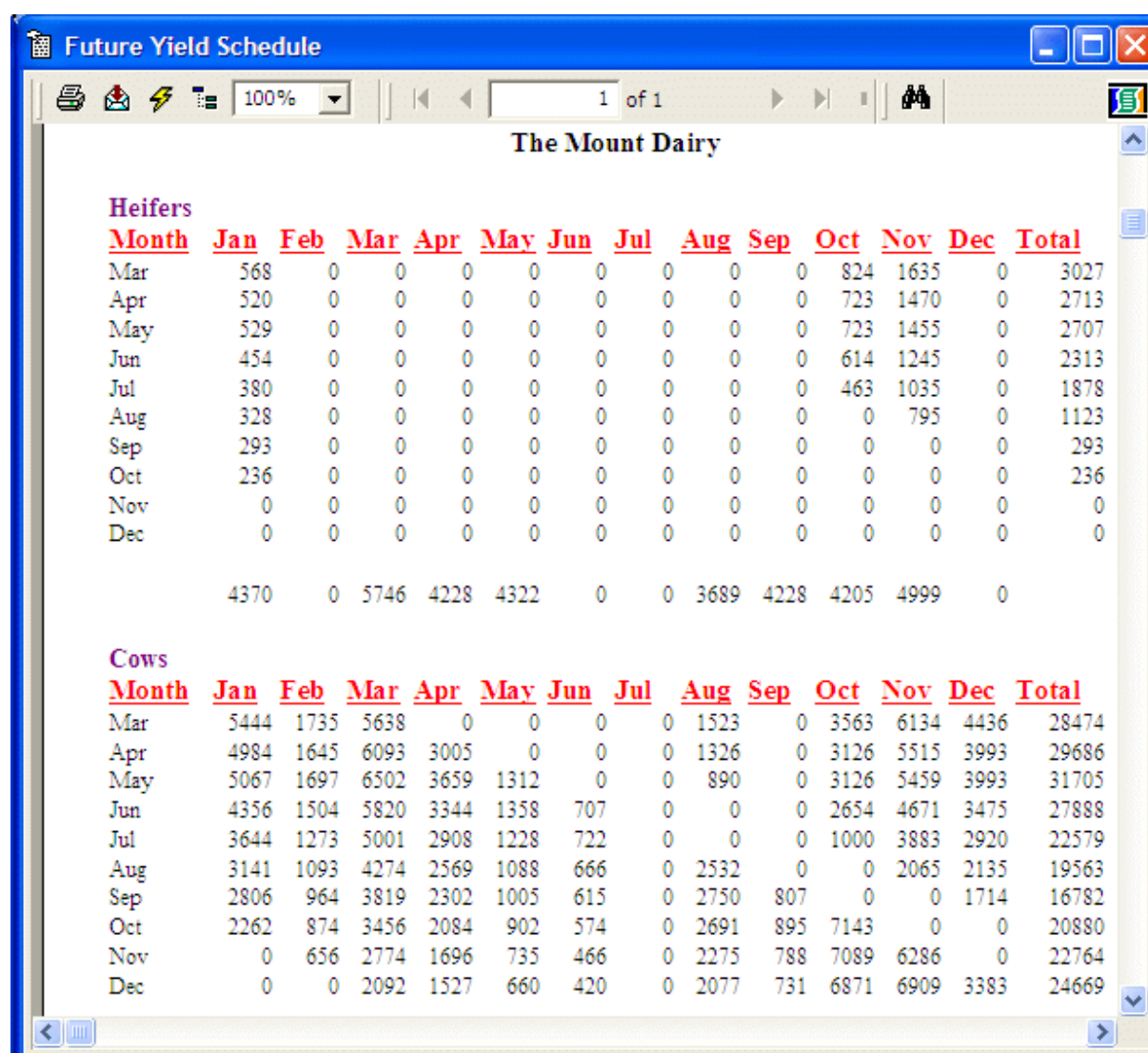
6 4 Cows In Milk

This section allows you to examine and amend predicted numbers of cows and heifers in milk calculated in the last Future Calving Schedule produced.

6 5 Future Yield Prediction

This takes the predicted cows in milk from the previous section, the 305 day yield averages and the yield breakdown values to produce a prediction of expected yields in the forthcoming 12 months.

You should select the yield breakdown set you wish to use for the prediction and click display or print. The Breakdown will appear similar to the display below.



Future Yield Schedule

The Mount Dairy

Heifers

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Mar	568	0	0	0	0	0	0	0	0	824	1635	0	3027
Apr	520	0	0	0	0	0	0	0	0	723	1470	0	2713
May	529	0	0	0	0	0	0	0	0	723	1455	0	2707
Jun	454	0	0	0	0	0	0	0	0	614	1245	0	2313
Jul	380	0	0	0	0	0	0	0	0	463	1035	0	1878
Aug	328	0	0	0	0	0	0	0	0	0	795	0	1123
Sep	293	0	0	0	0	0	0	0	0	0	0	0	293
Oct	236	0	0	0	0	0	0	0	0	0	0	0	236
Nov	0	0	0	0	0	0	0	0	0	0	0	0	0
Dec	0	0	0	0	0	0	0	0	0	0	0	0	0
	4370	0	5746	4228	4322	0	0	3689	4228	4205	4999	0	

Cows

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Mar	5444	1735	5638	0	0	0	0	1523	0	3563	6134	4436	28474
Apr	4984	1645	6093	3005	0	0	0	1326	0	3126	5515	3993	29686
May	5067	1697	6502	3659	1312	0	0	890	0	3126	5459	3993	31705
Jun	4356	1504	5820	3344	1358	707	0	0	0	2654	4671	3475	27888
Jul	3644	1273	5001	2908	1228	722	0	0	0	1000	3883	2920	22579
Aug	3141	1093	4274	2569	1088	666	0	2532	0	0	2065	2135	19563
Sep	2806	964	3819	2302	1005	615	0	2750	807	0	0	1714	16782
Oct	2262	874	3456	2084	902	574	0	2691	895	7143	0	0	20880
Nov	0	656	2774	1696	735	466	0	2275	788	7089	6286	0	22764
Dec	0	0	2092	1527	660	420	0	2077	731	6871	6909	3383	24669

6 6 Predictions Against Actual

This routine can be used at three levels. It will present values for;

The Past 12 Months

The Quota Year 01APR

The Financial Year to Date Set in Maintenance -> Business Parameters -> Recording.

This presents the Predicted Milk Yield, Cows in Milk, Dry Cows, Cows Bought In, Milk Price and Value of Milk against the actual values.

You must first have entered your quota breakdown in the Quota and Milk Prices section

Prediction Against Actuals															
The Mount Dairy															
Past 12 Months															
Month	Quota	Milk Yield		In Milk		Dry		Culls		Bought		Milk Price		Milk Value	
		Pred	Act	Pred	Act	Pred	Act	Pred	Act	Pred	Act	Pred	Act	Pred	Act
Mar	42000	0	42625	0	57	0	0	0	4	0	0	25.00	25.66	0	10939
Apr	42000	0	42023	0	57	0	0	0	10	0	0	25.00	24.85	0	10443
May	42000	0	44001	0	57	0	0	0	17	0	0	24.00	24.19	0	10644
Jun	42000	0	43260	0	57	0	0	0	5	0	0	20.00	19.05	0	8240
Jul	42000	0	42602	0	57	0	0	0	11	0	0	18.00	17.27	0	7357
Aug	42000	0	43425	0	57	0	0	0	7	0	0	19.00	18.23	0	7916
Sep	42000	0	41865	0	57	0	0	0	12	0	0	20.00	22.13	0	9265
Oct	42000	0	44752	0	57	0	0	0	9	0	0	21.00	22.24	0	9954
Nov	42000	0	41475	0	57	0	0	0	12	0	0	22.00	24.22	0	10043
Dec	42000	150235	43044	356	57	52	0	1	13	0	0	25.00	24.74	37559	10650
Jan	42000	148042	37429	350	55	57	0	0	0	0	0	25.00	22.30	37011	8347
Feb	42000	128105	39780	337	58	69	0	0	0	0	0	24.00	22.60	30745	8990
	504000	426382	506279					1	100	0	0			105314	112787

These figures will not be complete until several months after you perform your first prediction.

6 7 Monthly Figures

This section retains the figures produced at each recording period which are used to make up the monthly figures for reporting. It maintains thirteen months historical figures at any one time.

They can be edited by selecting the month required and changing any of the entries.

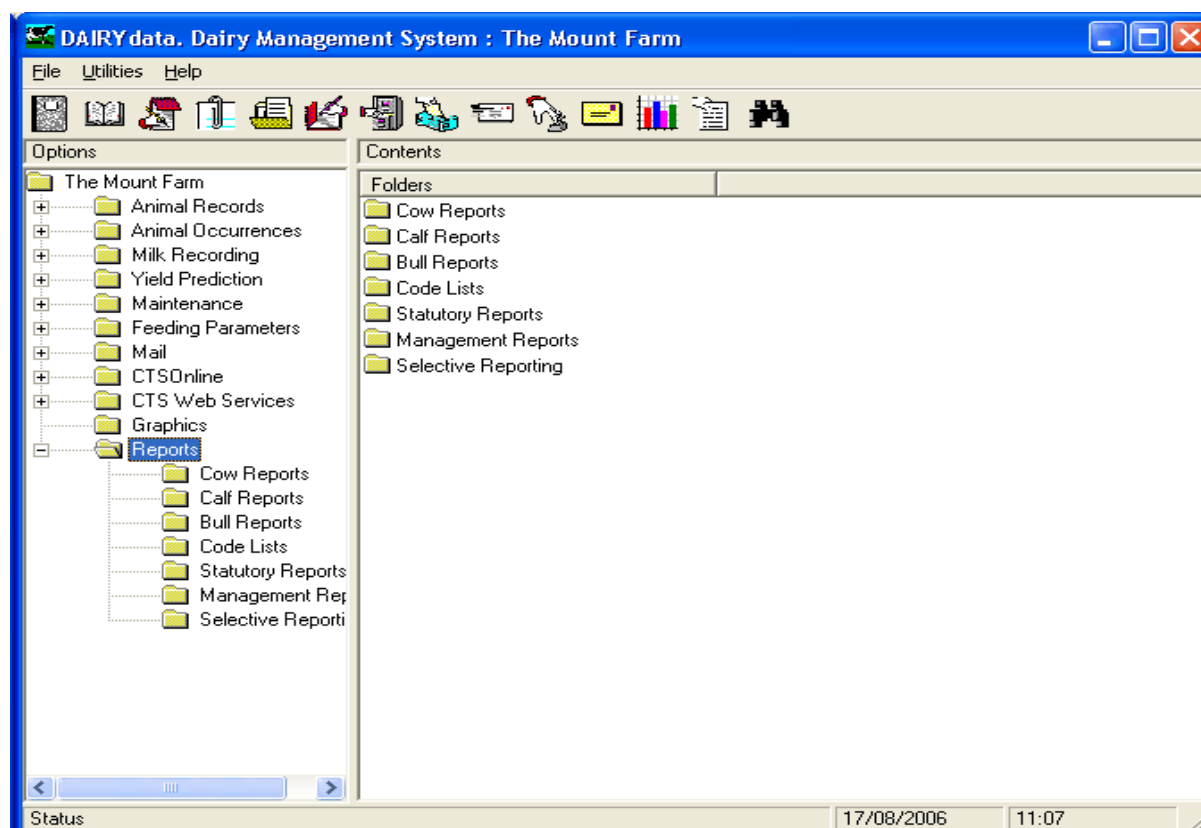
Year	Month	Week	Total Cows	Total In Milk	Total Culled	Total Bought	Total Calvings	Total Milk	Total Other Milk	Milk Quota	Milk Price	B
2001	1	1	69	55	0	4	13	1314.00	0.00	0.00	22.30	
2001	1	2	69	55	0	1	1	1067.20	0.00	0.00	22.30	
2001	1	3	69	55	0	0	1	1145.90	0.00	0.00	22.30	
2001	1	4	69	55	0	0	0	1200.50	0.00	0.00	22.30	
2001	1	5	69	56	0	0	3	1309.30	0.00	0.00	22.30	
2001	2	1	69	58	0	0	2	1384.40	0.00	0.00	22.60	
2001	2	2	69	59	0	0	2	1423.50	0.00	0.00	22.60	
2001	2	3	69	59	0	0	0	1436.60	0.00	0.00	22.60	
2001	2	4	69	57	0	0	1	1438.30	0.00	0.00	22.60	
2001	3	1	69	57	0	0	2	1455.60	0.00	0.00	22.60	
2001	3	2	69	57	0	0	0	1452.20	0.00	0.00	22.60	

The above example is for a weekly recorded herd. There are therefore 4 or 5 entries for each month indicated by weeks.

Any of the figures can be amended as required.

Where information is not automatically obtained from entries elsewhere in the system these can be manually entered. These may include figures such as quota, milk price and feed usage. This will then give a more complete picture in the monthly figures report.

This chapter describes the various reports which can be produced by the system.



Common to all Screen reports are some Button Controls on the Screen Display.

At the top left is the Print button which sends the displayed report to the printer.

The Envelope button exports the displayed report to file. This may then be imported into other applications.

The Refresh button (lightning symbol) refreshes the report if the data has been changed.

The next box shows the magnification factor, this is usually set at 100% but can be changed to magnify or compress what is shown on the screen or printer, or it can be made to fit the page width or the whole page.

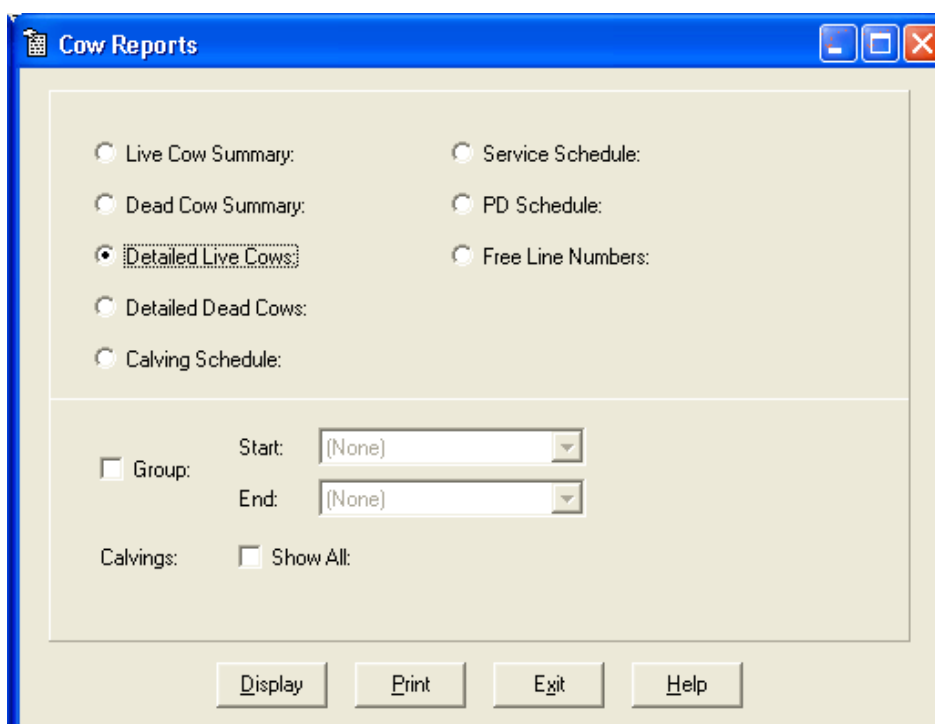
Next is shown which page of the report is on the screen. At each side are start and end page buttons, inside these are page forward and back buttons.

The blank box with Binoculars icon next to it is for searching. For example, it can be used for searching for a particular animal. Enter the required characters, click on the Binoculars button and the first item containing the characters chosen will be outlined, click again and the next item containing those characters will be shown.

The side scroll bar allows you to scroll up and down the report and the bottom scroll bar from side to side.

Reports on the various headings shown in the Options Box can be printed or shown on the screen. The screen displays are exactly the same as the printed reports. Printed reports can be created directly from the screen display. If you have a colour printer the reports will print in the same colours as the screen display.

These are preformatted reports to give information from the Cow records.



Live / Dead Cow Summary A listing of live or dead cows with basic detail, status and location.

Live / Dead Detailed List A listing of live or dead cows showing all their calving details.

Calving Schedule A listing of when cows are due to calve and to which sires.

Service Schedule A listing of which cows are due to be served showing their last calved date and the days since calving.

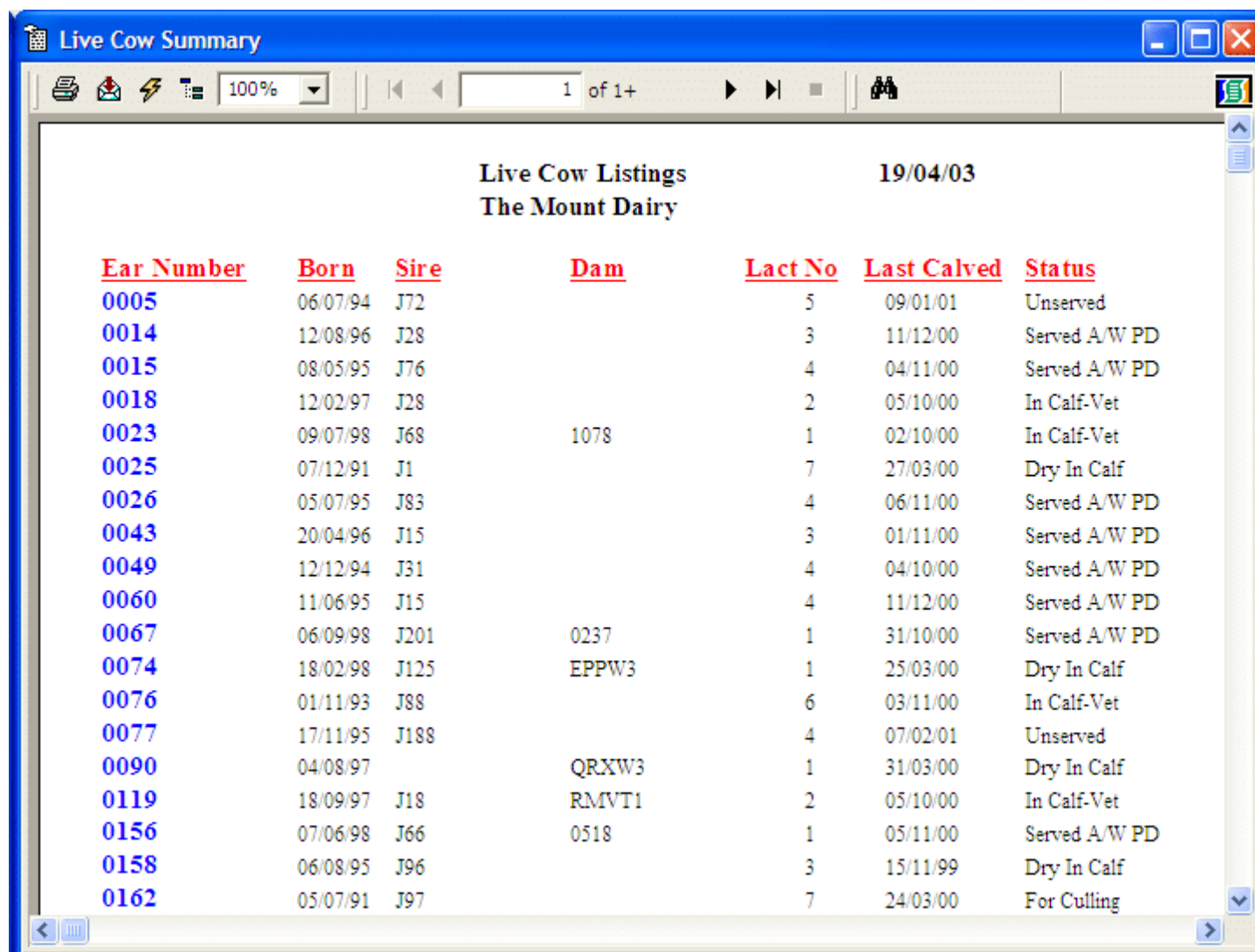
P D Schedule A listing of cows due for P D.

Free Line Number A Listing of the management numbers not being used in the herd.

All these reports can be created for groups or a range of groups, and can be shown on the screen or printed.

7 1 A Live / Dead Cow Summary

This gives a summary report of all the cows either live or dead depending on which you choose.



<u>Ear Number</u>	<u>Born</u>	<u>Sire</u>	<u>Dam</u>	<u>Lact No</u>	<u>Last Calved</u>	<u>Status</u>
0005	06/07/94	J72		5	09/01/01	Unservd
0014	12/08/96	J28		3	11/12/00	Served A/W PD
0015	08/05/95	J76		4	04/11/00	Served A/W PD
0018	12/02/97	J28		2	05/10/00	In Calf-Vet
0023	09/07/98	J68	1078	1	02/10/00	In Calf-Vet
0025	07/12/91	J1		7	27/03/00	Dry In Calf
0026	05/07/95	J83		4	06/11/00	Served A/W PD
0043	20/04/96	J15		3	01/11/00	Served A/W PD
0049	12/12/94	J31		4	04/10/00	Served A/W PD
0060	11/06/95	J15		4	11/12/00	Served A/W PD
0067	06/09/98	J201	0237	1	31/10/00	Served A/W PD
0074	18/02/98	J125	EPPW3	1	25/03/00	Dry In Calf
0076	01/11/93	J88		6	03/11/00	In Calf-Vet
0077	17/11/95	J188		4	07/02/01	Unservd
0090	04/08/97		QRXW3	1	31/03/00	Dry In Calf
0119	18/09/97	J18	RMVT1	2	05/10/00	In Calf-Vet
0156	07/06/98	J66	0518	1	05/11/00	Served A/W PD
0158	06/08/95	J96		3	15/11/99	Dry In Calf
0162	05/07/91	J97		7	24/03/00	For Culling

If you wish to show all the cows as one list do not select any groups.

If you want a particular group, select it as the start and end group.

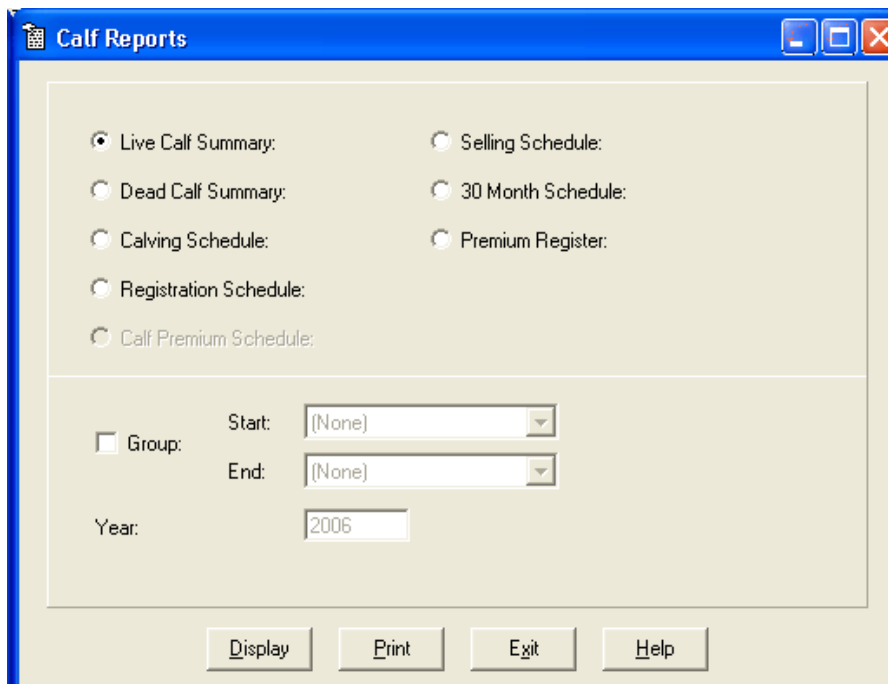
If you want the cows shown in a range of groups select the start and end groups you wish.

If you want all the cows in their group, select the first group as the start group and the last group on the list as the end group.

If you want to see the report on the screen, click **Display**.

If you want to send the report straight to the printer, click **Print**.

These are preformatted reports to give information from the Calf records.



Live / Dead Calves A listing of either live or dead calves. It shows basic details, location and status.

Calving Schedule A list of served heifers and when they are due to calve. Can be used as an input document for entering the calving details.

Registration Schedule A listing of calves due to be registered.

Calf Premium Schedule A listing of calves due for the Scottish Beef Calf Scheme

Selling Schedule A listing of the status of animals and when any retention period ends.

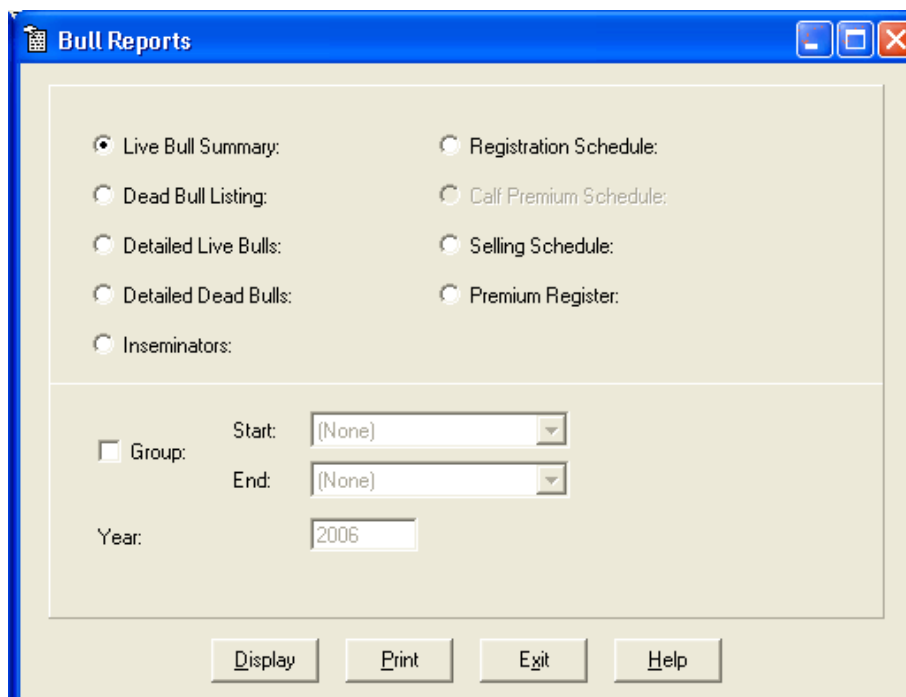
30 Month Schedule A listing of dates animals will be 30 months old.

Premium Register A listing of all calves claimed for premium in the selected year and what has happened to them.

All these reports can be created for groups or a range of groups.

All the reports can be shown on the screen or printed.

These are preformatted reports to give information from the Bull records.

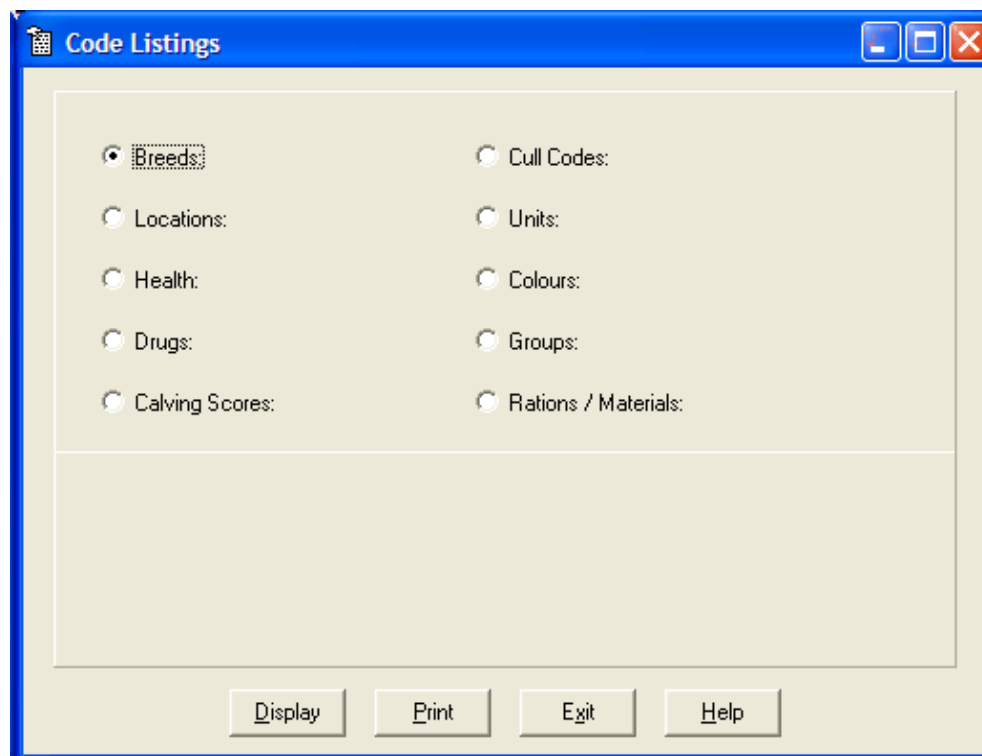


Live / Dead Bulls	A basic listing of all Other bulls, either live or dead.
Live / Dead Stock Bulls	A basic listing of all Stock bulls, either live or dead. This report shows the Statistical details of the bulls services.
Inseminators	A basic listing of all Insemination bulls. This report shows the statistical details of the bulls services.
Registration Schedule	A listing of calves due to be registered.
Calf Premium Schedule	A listing of calves due for the Scottish Beef Calf Scheme
Selling Schedule	A listing of the status of animals and when any retention period ends.
Premium Register	A listing of all bulls claimed for premium in the selected year and what has happened to them.

All these reports can be created for groups or a range of groups.

All the reports can be shown on the screen or printed.

This option gives the facility to print the Code Lists as set up in the Maintenance Parameters.



Select the list you want by clicking on the dot beside it. Select **Display** if you want to view the list on screen, or **Print** to print the list.

These are the prints of the records which are required by statute.

The screenshot shows a window titled "Statutory Reports" with a blue title bar and standard Windows window controls. The main area is a light beige panel containing several radio button options and checkboxes. The "Health Book" option is selected. Below these are checkboxes for "Animals" (Cows, Calves, Bulls) and "Locations" (Internal, External). A "Date Range" section includes "Start" and "End" date pickers with values "01/01/1980" and "19/04/2003" respectively. At the bottom, there are four buttons: "Display", "Print", "Exit", and "Help".

Report Type	Selected
Health Book	Yes
Pharmacy Book	No
Movement Book	No
ReTagging Book	No
Herd Register - Males	No
Herd Register - Females	No
Continuous Herd Register	No

Filter Category	Filter Option	Selected
Animals	Cows	No
	Calves	No
	Bulls	No
Locations	Internal	No
	External	No

Date Range	Start	End
<input type="checkbox"/> Date Range	01/01/1980	19/04/2003

Buttons: Display, Print, Exit, Help

To print or view the health book -

Click in the Health Book Dot.

Select whether you want Cows, Calves and/or Bulls by putting an X in the appropriate box. If you do not select any, all will be presented.

Select the date range you want to print by putting an X in the date range box and enter the start and end date for the report. Not selecting a date range will select all records.

Select **Display** if you want to view the list on screen, or **Print** to print the list.

Health Book

100%

1 of 1

Health Book

19/04/03

Page 1

The Mount Dairy

Dates : All. Animals : All

Date	Ear Number Official Tag	Sex	Health Person	Treatment Batch Number	Qua Expiry	Withdrawal Period Beef Milk	
10/01/01	0005 UK457897865478	Female	ORDINARY MASTITIS D Neep	Cephaguard LC C145/254	5 Mls 17/04/02	10/01/01 0 days	14/01/01 4 days
10/01/01	0018 UK457897865481	Female	ORDINARY MASTITIS D Neep	Cephaguard LC C145/254	5 Mls 17/04/02	10/01/01 0 days	14/01/01 4 days
10/01/01	0026 UK457897865484	Female	ORDINARY MASTITIS D Neep	Cephaguard LC C145/254	5 Mls 17/04/02	10/01/01 0 days	14/01/01 4 days
10/03/01	0025 UK457897865483	Female	ORDINARY MASTITIS D L Neep	Cephaguard LC C145/2542	5 Mls 17/04/02	10/03/01 0 days	14/03/01 4 days
10/03/01	0067 UK457897865488	Female	ORDINARY MASTITIS D L Neep	Cephaguard LC C145/2542	5 Mls 17/04/02	10/03/01 0 days	14/03/01 4 days

7 5 B Pharmacy Book

This report list each drug by batch, what has been purchased, where it has been used and what is left.

To print or view the pharmacy book - Click in the Pharmacy Book Dot.

Select whether you want Cows, Calves and/or Bulls by putting an X in the appropriate box. If you do not select any, all will be presented.

Select the date range you want to print by putting an X in the date range box and enter the start and end date for the report. Not selecting a date range will select all records.

Select Display if you want to view the list on screen, or Print to print the list.

Pharmacy Book									
The Mount Dairy									
19/04/03									
Page 1									
Dates : All. Animals : All									
Cephaguard LC									
C145/254									
Date	Ear Number	Sex	Health	Quan	Expiry	Withdrawal Period		Person	
	Official Tag					Beef	Milk		
17/04/02	Purchased			100 Mls	17/04/02	0 days	4 days		
10/01/01	0005	Female	ORDINARY MASTITIS	5 Mls	17/04/02	10/01/01	14/01/01		
	UK457897865478					0 days	4 days	D Neep	
10/01/01	0018	Female	ORDINARY MASTITIS	5 Mls	17/04/02	10/01/01	14/01/01		
	UK457897865481					0 days	4 days	D Neep	
10/01/01	0026	Female	ORDINARY MASTITIS	5 Mls	17/04/02	10/01/01	14/01/01		
	UK457897865484					0 days	4 days	D Neep	
10/03/01	0025	Female	ORDINARY MASTITIS	5 Mls	10/03/01	10/03/01	14/03/01		
	UK457897865483					0 days	4 days	D L Neep	
10/03/01	0067	Female	ORDINARY MASTITIS	5 Mls	10/03/01	10/03/01	14/03/01		
	UK457897865488					0 days	4 days	D L Neep	
	Current Stock			75 Mls					

7 5 C Movement Book

To print or view the Movement book -

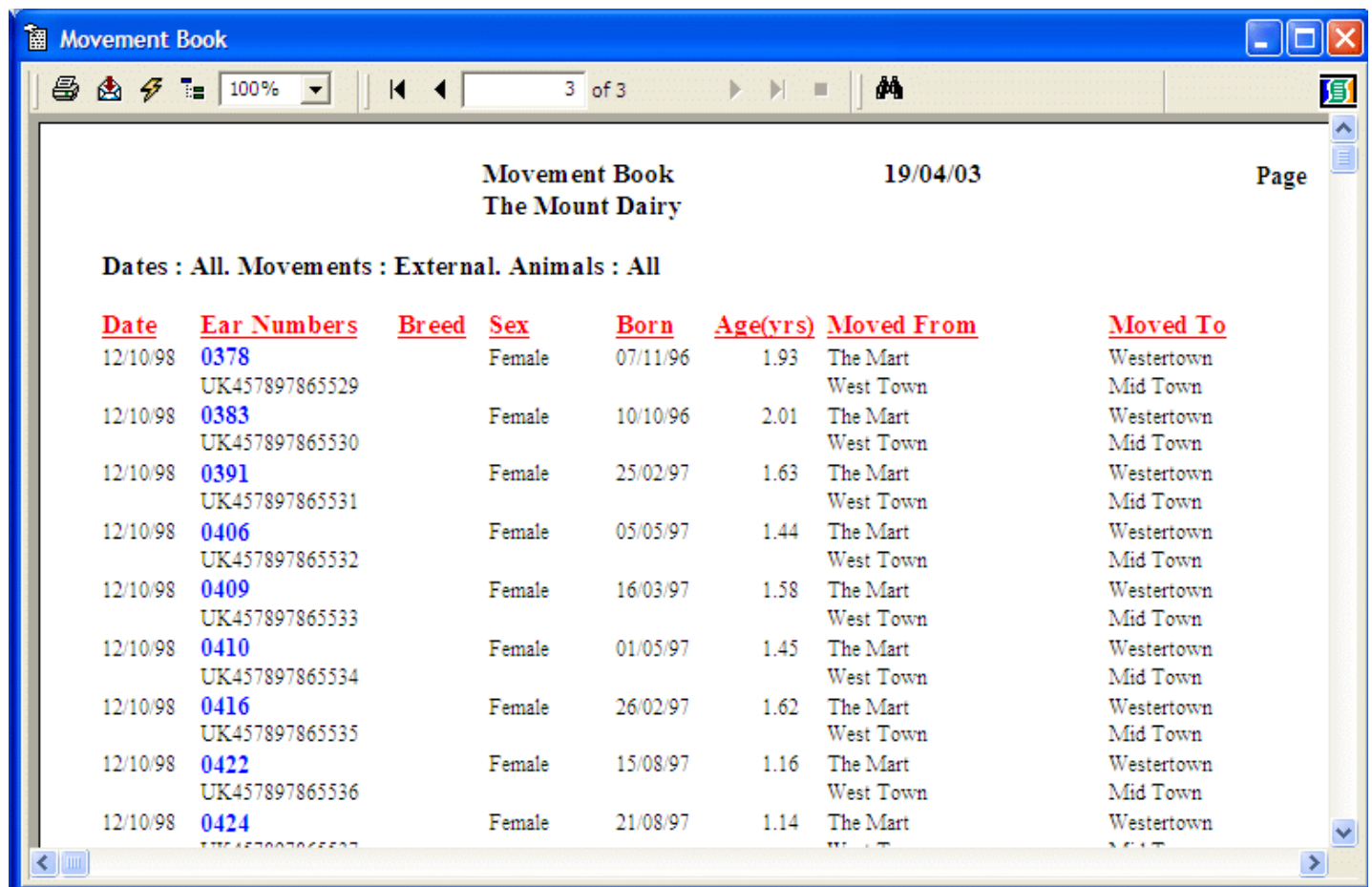
Click in the Movement Book Dot.

Select whether you want Cows, Calves and/or Bulls by putting an X in the appropriate box. If you do not select any, all will be presented.

Select the date range you want to print by putting an X in the date range box and enter the start and end date for the report. Not selecting a date range will select all records.

Select External or Internal Movements by putting an X in the appropriate Box. If you leave both blank, all are shown.

Select **Display** if you want to view the list on screen, or **Print** to print the list.



The screenshot shows a software window titled "Movement Book". The window has a menu bar with icons for print, save, and other functions. Below the menu bar is a toolbar with a "100%" zoom level and navigation buttons. The main area displays a table of animal movements. The table has columns for Date, Ear Numbers, Breed, Sex, Born, Age(yrs), Moved From, and Moved To. The data is filtered to show all movements for all animals. The table is titled "Movement Book" and "The Mount Dairy". The date "19/04/03" is displayed in the top right corner. The page number "Page" is also visible. The table contains 10 rows of data, each representing a movement of a female animal from "The Mart" to either "Westertown" or "Mid Town".

Date	Ear Numbers	Breed	Sex	Born	Age(yrs)	Moved From	Moved To
12/10/98	0378		Female	07/11/96	1.93	The Mart	Westertown
	UK457897865529					West Town	Mid Town
12/10/98	0383		Female	10/10/96	2.01	The Mart	Westertown
	UK457897865530					West Town	Mid Town
12/10/98	0391		Female	25/02/97	1.63	The Mart	Westertown
	UK457897865531					West Town	Mid Town
12/10/98	0406		Female	05/05/97	1.44	The Mart	Westertown
	UK457897865532					West Town	Mid Town
12/10/98	0409		Female	16/03/97	1.58	The Mart	Westertown
	UK457897865533					West Town	Mid Town
12/10/98	0410		Female	01/05/97	1.45	The Mart	Westertown
	UK457897865534					West Town	Mid Town
12/10/98	0416		Female	26/02/97	1.62	The Mart	Westertown
	UK457897865535					West Town	Mid Town
12/10/98	0422		Female	15/08/97	1.16	The Mart	Westertown
	UK457897865536					West Town	Mid Town
12/10/98	0424		Female	21/08/97	1.14	The Mart	Westertown
	UK457897865537					West Town	Mid Town

To print or view the ReTagging book -

Click in the ReTagging Book Dot.

Select whether you want Cows, Calves and/or Bulls by putting an X in the appropriate box. If you do not select any, all will be presented.

Select the date range you want to print by putting an X in the date range box and enter the start and end date for the report. Not selecting a date range will select all records.

Select **Display** if you want to view the list on screen, or **Print** to print the list.



The screenshot shows a window titled "ReTagging Book" with a toolbar containing icons for print, save, undo, redo, zoom (100%), and navigation. The main content area displays the title "ReTagging Book" and "The Mount Dairy" on the left, and the date "19/04/03" on the right. Below this, it says "Dates : All. Animals : All". A table of animal records is shown with columns: Date, Ear Numbers, Breed, Sex, Born, Age(yrs), and Previous Tag. The table lists 10 female animals with their respective ear numbers, birth dates, ages, and previous tags.

Date	Ear Numbers	Breed	Sex	Born	Age(yrs)	Previous Tag
20/03/01	0409 UK457897865533		Female	16/03/97	4.01	00884
20/03/01	0410 UK457897865534		Female	01/05/97	3.89	00891
20/03/01	0416 UK457897865535		Female	26/02/97	4.06	00810
20/03/01	0422 UK457897865536		Female	15/08/97	3.60	00803
20/03/01	0424 UK457897865537		Female	21/08/97	3.58	00805
20/03/01	0425 UK457897865538		Female	21/08/97	3.58	00806
20/03/01	0431 UK457897865539		Female	24/09/97	3.49	00817
20/03/01	0445 UK457897865540		Female	02/10/97	3.47	00314
20/03/01	0453 UK457897865541		Female	14/07/96	4.68	02810

7 5 E Herd Registers.

This is an animals listing as required by DEFRA & SEERAD.

These reports differ depending on the region set in the Premium Parameters. English Region gives one Herd Register, Scottish gives Male & Female Herd Registers.

Select the types of animals required and set the date range. The start date should be no earlier than 01/01/2000 as this was the date of introduction.

All animals alive on that date, and purchased or born after that date will be displayed along with details of their sale or death.



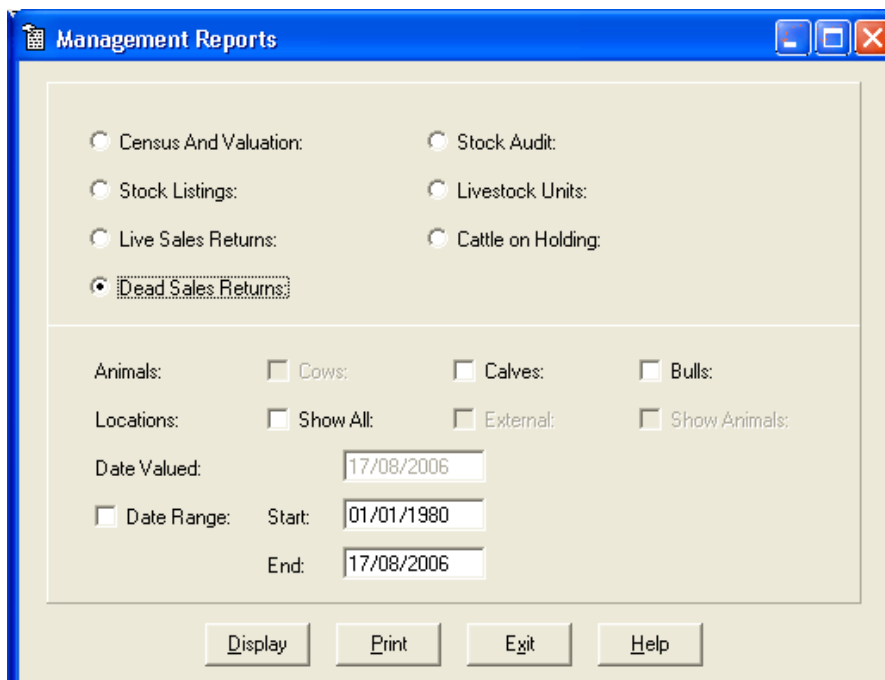
Dates : All. Animals : All (Males:)									
<u>Ear Number</u>	<u>Date of Birth</u>	<u>Breed</u>	<u>Sex</u>	<u>Dam</u>	<u>Date Moved</u>	<u>Moved From</u>	<u>Date Moved</u>	<u>Moved To</u>	
<u>Official Ear Tag</u>				<u>Surrogate Dam</u>					
<u>Replacement Tag</u>	<u>Date ReTagged</u>			<u>Sire Tag</u>					
C2	15/01/95	AAX	M		29/06/95	The Mart West Town	08/07/97	Meat Co Mid Town	
UK KY6312 00235									
C3	11/01/95	AAX	M		29/06/95	The Mart West Town	08/07/97	Meat Co Mid Town	
UK KY6312 00891									
C300	26/04/96	AA	M	UKKY6312 90019			30/03/98	Meat Co Mid Town	
UK KY6312 00951									
C4	10/01/95	AAX	M	AA	29/06/95	The Mart West Town	12/02/97	Meat Co Mid Town	
UK KY6312 00890									

7 5 F Continuous Herd Registers

This gives a listing of totals of animals in each class on each date. It shows the Date, Event, Animal Numbers and Adjustment to cumulative. Totals in each class on the date are then shown.

Continuous Herd Register									
19/04/03									
The Mount Dairy									
Page 7									
Dates : All. Animals : All									
Date	Event	Ear Number	Official Tag	Cows	In Calf	Bulling	Other	Steers	Bulls
22/01/01	Birth	5580	UK457897865580						
				69			1	16	7
							9		
23/01/01	Birth	5581	UK457897865581				1		
23/01/01	Birth	5582	UK457897865582				1		
23/01/01	Birth	5583	UK457897865583				1		
				69			12	16	7
25/01/01	Birth	2062	UKAB6911 02062					1	
				69			12	17	7
30/01/01	Birth	5584	UK457897865584					1	
30/01/01	Birth	5585	UK457897865585					1	
				69			12	19	7
07/02/01	Birth	5586	UK457897865586				1		
				69			13	19	7
08/02/01	Birth	5587	UK457897865587				1		
				69			14	19	7
23/02/01	Birth	5588	UK457897865588					1	
				69			14	20	7
04/03/01	Birth	5589	UK457897865589					1	
				69			14	21	7

These reports are designed to aid management, to provide useful information at the touch of a button.



Census and Valuation	Produces a summary list of animals in the business on any selected date, either as a whole or by groups. It gives the numbers in each age group and approximate value.
Stock Listing	Gives a list of Births, Purchases, Sales and Deaths/Culls between selected dates.
Live Sales Returns	A listing of sales of live animals (Calves and Bulls) with a breakdown of prices and weights.
Dead Sales Returns	A listing of deadweight sales (Calves and Bulls) with a breakdown of Weights, Grades and Prices.
Stock Audit	A reconciliation listing of Opening Numbers, births, purchases, transfers, deaths, sales and closing numbers within the herd or by group. The animals are listed by sex and age group.
Livestock Units	A Calculation of Livestock Units on any date including sheep if required. Setting Forage area also checks on L/Us per Ha. The forage area and number of sheep claimed can be entered in the Maintenance/Business Parameters/Other section.
Cattle on Holding	This report replicates the list of animals produced by BCMS in their statement. A date can be selected and all the animals on the holding on that date will be listed. Females are shown first followed by males. Within each sex the animals are sorted by the date they moved onto the holding.

7 6 A Census and Valuation

This gives a livestock count, valuation and Livestock Unit Calculation on any date.

To print or view a Census and Valuation, click in the Census and Valuation Dot.

Select whether you want Cows, Calves and/or Bulls by putting an X in the appropriate box. If you do not select any, all will be presented.

If you want the animals to be presented in their groups, click the Locations box Show All.
Select the required date.

Select **Display** if you want to view the list or **Print** to print the list.

Census And Valuation		19/04/03	
The Mount Dairy			
Dates : All. Animals : All		Date Va	
Bull	Number	Stock Value	Unit Value
2 years +	1	693.28	693.28
Total	1	693.28	
Cow	Number	Stock Value	Unit Value
In Milk	57	22800.00	400.00
Dry	12	4800.00	400.00
Total	69	27600.00	
Female	Number	Stock Value	Unit Value
Unservd 2+	14	8429.12	602.08
Total	14	8429.12	
Male	Number	Stock Value	Unit Value
2 years +	21	14558.24	693.25
Total	21	14558.24	
Grand Total	105	51280.64	

Cows and Stock Bulls are taken at the values entered in the Misc. Parameters section of maintenance routines.

Growing and Fattening animals are worked out as below, again from the figures entered in Misc. parameters.

$(((\text{Days of Age} \times \text{DLWG}) + \text{Calf Weight}) \times \text{Price per Kg LWG}) + \text{Calf Price} = \text{Value}$

$(((\text{150 days} \times \text{0.8Kg} = \text{120Kg}) + \text{45} = \text{165Kg}) \times \text{£1 per Kg} = \text{£165}) + \text{£80} = \text{£245}$

7 6 B Stock Listing

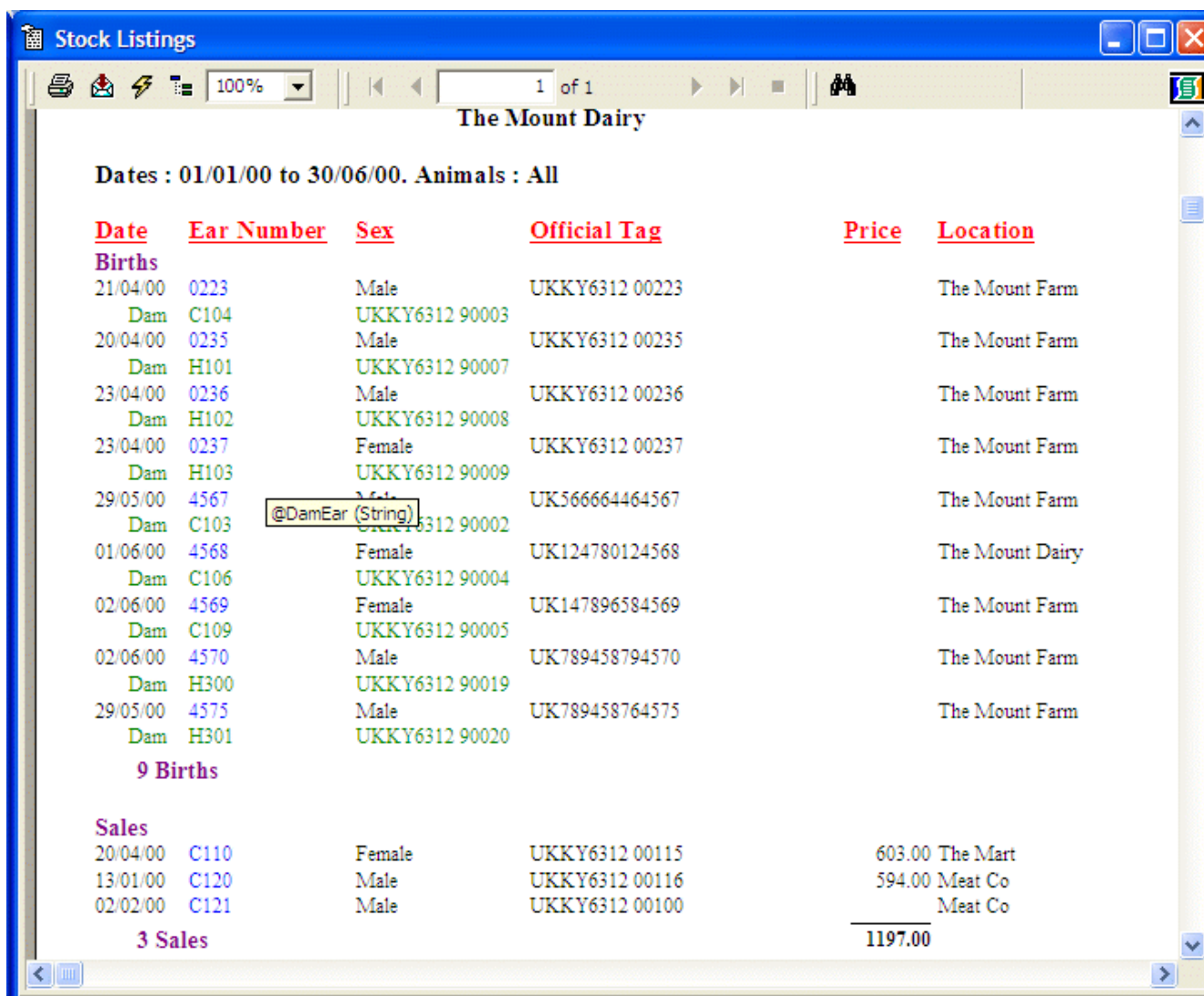
To print or view a Stock Listing-

Click in the Stock Listing Dot.

Select whether you want Cows, Calves and/or Bulls by putting an X in the appropriate box. If you do not select any, all will be presented.

Select the date range you want to print by putting an X in the date range box and enter the start and end date for the report. Not selecting a date range will select all records.

Select **Display** if you want to view the list or **Print** to print the list.



Stock Listings

The Mount Dairy

Dates : 01/01/00 to 30/06/00. Animals : All

Date	Ear Number	Sex	Official Tag	Price	Location
Births					
21/04/00	0223	Male	UKKY6312 00223		The Mount Farm
	Dam C104	UKKY6312 90003			
20/04/00	0235	Male	UKKY6312 00235		The Mount Farm
	Dam H101	UKKY6312 90007			
23/04/00	0236	Male	UKKY6312 00236		The Mount Farm
	Dam H102	UKKY6312 90008			
23/04/00	0237	Female	UKKY6312 00237		The Mount Farm
	Dam H103	UKKY6312 90009			
29/05/00	4567	Male	UK566664464567		The Mount Farm
	Dam C103	UKKY6312 90002			
01/06/00	4568	Female	UK124780124568		The Mount Dairy
	Dam C106	UKKY6312 90004			
02/06/00	4569	Female	UK147896584569		The Mount Farm
	Dam C109	UKKY6312 90005			
02/06/00	4570	Male	UK789458794570		The Mount Farm
	Dam H300	UKKY6312 90019			
29/05/00	4575	Male	UK789458764575		The Mount Farm
	Dam H301	UKKY6312 90020			
9 Births					
Sales					
20/04/00	C110	Female	UKKY6312 00115	603.00	The Mart
13/01/00	C120	Male	UKKY6312 00116	594.00	Meat Co
02/02/00	C121	Male	UKKY6312 00100		Meat Co
3 Sales				1197.00	

The report lists all Births, Purchases, Sales and Culls/Casualties in date order within your specified date range.

To print or view a Live Sales Return-

Click in the Live Sales Return Dot.

Select whether you want Calves and/or Bulls by putting an X in the appropriate box. If you do not select any, all will be presented.

Select the date range you want to print by putting an X in the date range box and enter the start and end date for the report. Not selecting a date range will select all records.

If you want the animals to be presented by the sale location click the Locations box Show All.

Select **Display** if you want to view the list or **Print** to print the list.

Ear Number	Date Born	Date Sold	Age	Live Weight	DLWG Kg/Day	Value	Price /Kg	Sold To
Female								
C110	21/03/98	20/04/00	761	560.00	0.67	603.00	1.08	The Mart
1 Animals.			761	560.00	0.67	603.00	1.08	
Male								
C121	15/10/98	02/02/00	475	520.00	0.99	620.00	1.19	The Mart
1 Animals.			475	520.00	0.99	620.00	1.19	
Total of	2 Animals.		618	540.00	0.79	611.50	1.13	

7 6 D Dead Sales Returns

To print or view a Dead Sales Returns-

Click in the Dead Sales Returns Dot.

Select whether you want Calves and/or Bulls by putting an **X** in the appropriate box. If you do not select any, all will be presented.

Select the date on which you wish the animal's age to be calculated, this should be entered in the Date Valued box.

Select the date range you want to print by putting an **X** in the date range box and enter the start and end date for the report. Not selecting a date range will select all records.

If you want the animals to be presented by the sale location click the Locations box Show All.

Select **Display** if you want to view the list or **Print** to print the list.

Dead Sales Returns											
The Mount Dairy											
19/04/03											
Page											
Dates : 01/01/00 to 01/05/00. Animals : All											
Ear	Date	Date	Age	Live	Dead	Grade	Kill Out	DLWG	Value	Price	Sold To
Number	Born	Sold	Weight	Weight	Weight		%	Kg/Day		/Kg	
Male											
C120	13/06/98	13/01/00	579	600.00	330.00	U4L	55.00	0.95	594.00	1.80	Meat Co
1 Animals.			579	600.00	330.00		55.00	0.95	594.00	1.80	
Total of	1 Animals.		579	600.00	330.00		55.00	0.95	594.00	1.80	

To print or view a Stock Audit-

Click in the Stock Audit Dot.

Select whether you want Cows, Calves and/or Bulls by putting an X in the appropriate box. If you do not select any, all will be presented.

The Date Valued is the date on which ages will be calculated for the classifications. Select the date range you want to print by putting an X in the date range box and enter the start and end date for the report. Not selecting a date range will select all records.

If you want the animals to be presented in their groups click the Locations box Show All.

Select **Display** if you want to view the list or **Print** to print the list.

Stock Audit										
The Mount Dairy										
19/04/03										
Page 1										
Dates : 01/01/00 to 31/12/00. Animals : All										
Date Valued : 31/12/00										
Cow	Start	Births	Bought	Age		Transfers		Deaths	Sales	End
				In	Out	In	Out			
In Milk	51			5						56
Dry	10			2						12
Total	61			7						68
Female	Start	Births	Bought	Age		Transfers		Deaths	Sales	End
				In	Out	In	Out			
Unserved 2+	1			7	6				1	1
1 year to 2	7		1	4	12					
6 months to 1 year				3		2	2			3
Under 6 months		7			3	1	1			4
Total	8	7	1	14	21	3	3		1	8
Male	Start	Births	Bought	Age		Transfers		Deaths	Sales	End
				In	Out	In	Out			
1 year to 2	2								2	
6 months to 1 year				6		5	5			6
Under 6 months		14			6	1	1			8
Total	2	14		6	6	6	6		2	14
Grand Total	71	21	1	27	27	9	9		3	90

Selecting the “Show Animals” Option will list the individual animal numbers in each section.

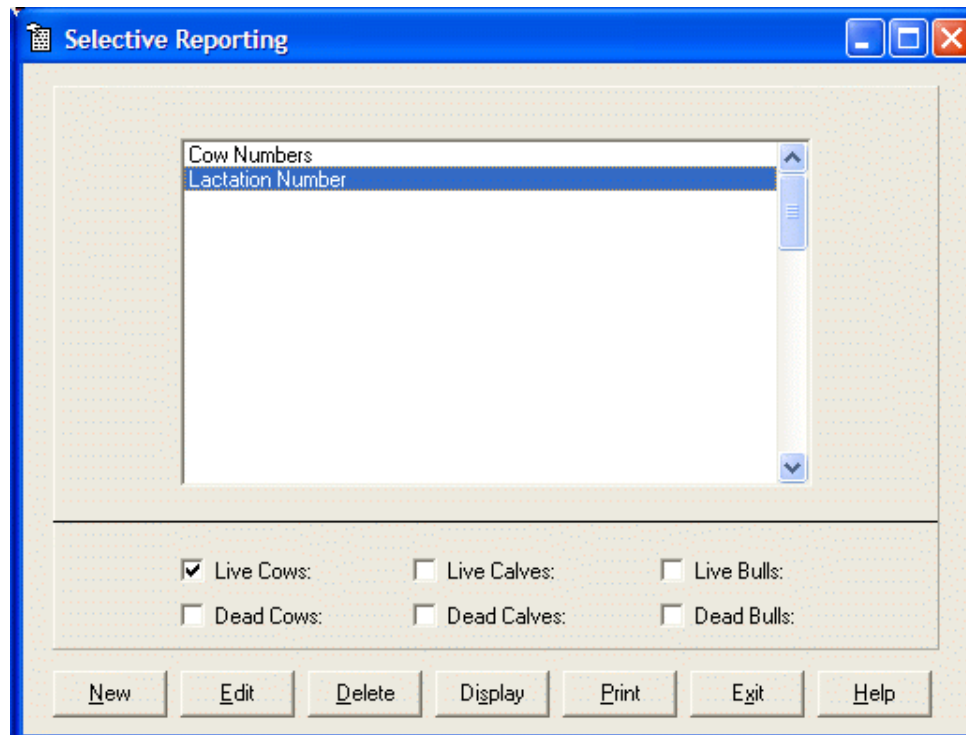
Livestock Units			
The Mount Dairy			
19/04/03			
Dates : All. Animals : All		Date Valued : 31/12/0	
<u>Cow</u>	<u>Number</u>	<u>Livestock Units</u>	<u>Total LU's</u>
In Milk	56	1.00	56.00
Dry	12	1.00	12.00
Total	68		68.00
<u>Female</u>	<u>Number</u>	<u>Livestock Units</u>	<u>Total LU's</u>
Unservd 2+	1	1.00	1.00
6 months to 1 year	3	0.60	1.80
Under 6 months	4	0.00	0.00
Total	8		2.80
<u>Male</u>	<u>Number</u>	<u>Livestock Units</u>	<u>Total LU's</u>
6 months to 1 year	6	0.60	3.60
Under 6 months	8	0.00	0.00
Total	14		3.60
Total Cattle	90		74.40
Total Sheep	300		45.00
Overall Total	390		119.40
Actual Livestock Units	119.40		1.22 /Ha
Target Livestock Units	156.80		1.60 /Ha
Surplus / Deficit LU	37.40		0.38 /Ha
Forage Area	98.00		

The Calculation at the bottom includes Sheep and Forage Area as set in the Maintenance Section, Other Parameters.

Enter the date you wish the report to be based on. Only animals alive on the holding on that date will be displayed. This mimics the Statements issued by BCMS.

Cattle on Holding						
The Mount Farm						
15/08/06						
Page						
Dates : All. Animals : All						
Date Valued : 12/01/06						
Official Tag	Ear Number	Born	Breed	Sex	Genetic Dam Tag	On Date
UKKY6312 90001	C102	15/08/91	CH	F		12/09/93
UKKY6312 90003	C104	16/07/93	CH	F		12/09/93
UKKY6312 90005	C109	15/07/90	SM	F		12/09/93
UKKY6312 90011	H107	15/07/92	AA	F		04/08/94
UKKY6312 90013	H109	17/08/92	CH	F		04/08/94
UKKY6312 90014	H110	20/08/92	CH	F		04/08/94
UKKY6312 00716	H105	12/08/92	AA	F		04/10/94
UKKY6312 00717	H104	15/08/92	AA	F		04/10/94
UKKY6312 90012	H108	17/08/92	CH	F		04/10/94
UKKY6312 90015	H201	19/07/92	CH	F		04/10/94
UKKY6312 90016	H202	15/05/92	CH	F		04/10/94
UKKY6312 90017	H203	04/08/92	CH	F		04/10/94
UKKY6312 90018	H213	12/09/92	CH	F		04/10/94
UKKY6312 90007	H101	13/03/93	CH	F		14/02/95
UKKY6312 90008	H102	14/03/93	CH	F		14/02/95
UKKY6312 90009	H103	17/02/93	CH	F		14/02/95
UKKY6312 00713	H100	18/02/93	CH	F		14/03/95
UKKY6312 90004	C106	08/08/91	SM		Report Table.Location (String)	12/09/95
UKKY6312 90019	H300	12/04/94	BA	F		26/02/96
UKKY6312 90020	H301	12/04/94	CH	F		26/02/96
UKKY6312 00903	C121	14/10/96	CHX	F	UKKY6312 90006	14/10/96
UKKY6312 00127	A111	20/11/97	AA	F	UKKY6312 00717	20/11/97

This section allows you to create reports to your own specification. Any information held within an animal record can be incorporated into a report in this section. These report formats can be saved and reproduced at any time.



To create a new report:

Click New on the Bottom Button Bar.

Enter the Name of the new report. This is the name the report will be stored as.

You may now pick the parameters of the report from the scrolling screen as shown below.

Headings And Limits :

Report Title: Columns Used:

Heading	Len	Lower	Upper	Incl	Rank
Ear Number	11			Yes	
Date of Birth	11			Yes	1
Age in days	7				
Sex	8				
Sire	11	J83	J83	Yes	
Sire Tag	21				
Dam	11			Yes	
Dam Tag	21				
Surrogate Dam	21				
Surrogate Dam Tag	21				
Breed	21				
Colour	21				
Official Tag	21			Yes	
Electronic Tag	21				
Name	31				

OK Cancel Help

There are three stages to creating the report layout. There are at present 122 Headings to choose from which are shown in full in Appendix A.

Firstly, set the limits on what you want to include in the report. Click in the **Lower** box of the item you wish to limit, you will be asked to select the bottom limit and the upper limit of your selection. You may also be given a list to select from where there are a limited number of preset options. As an example you may wish to limit one sire or breed, or from one date of birth to another.

Secondly, to include headings in the report click the box under **Incl** to show **Yes**. The order in which you click this selection is the order in which the headings are laid out across the paper. The number of columns each heading takes in a report is shown in the **Len** Column. The total columns of all selected headings is shown at the top of the report.

Thirdly, the Sort order of the report is set by the end column under **Rank**. If you want the report sorted by a particular heading click in the rank box of that heading. This will be the first sort criteria. Should you wish to sort further within the first choice then click in your second chosen option rank box. An example of this may be to sort firstly by Breed and then within the breed, by the Sire.

Click **OK** to save your report format.

To display or print a report:

Highlight the report you wish from the list. Select which type of animals you wish to include - live and/or dead - cows, calves, and/or bulls.

Click **Display** or **Print** on the Bottom Button Bar.

To change the format of an old report:

Highlight the report you wish from the list. Click **Edit** on the Bottom Button Bar and the report format will be displayed for editing.

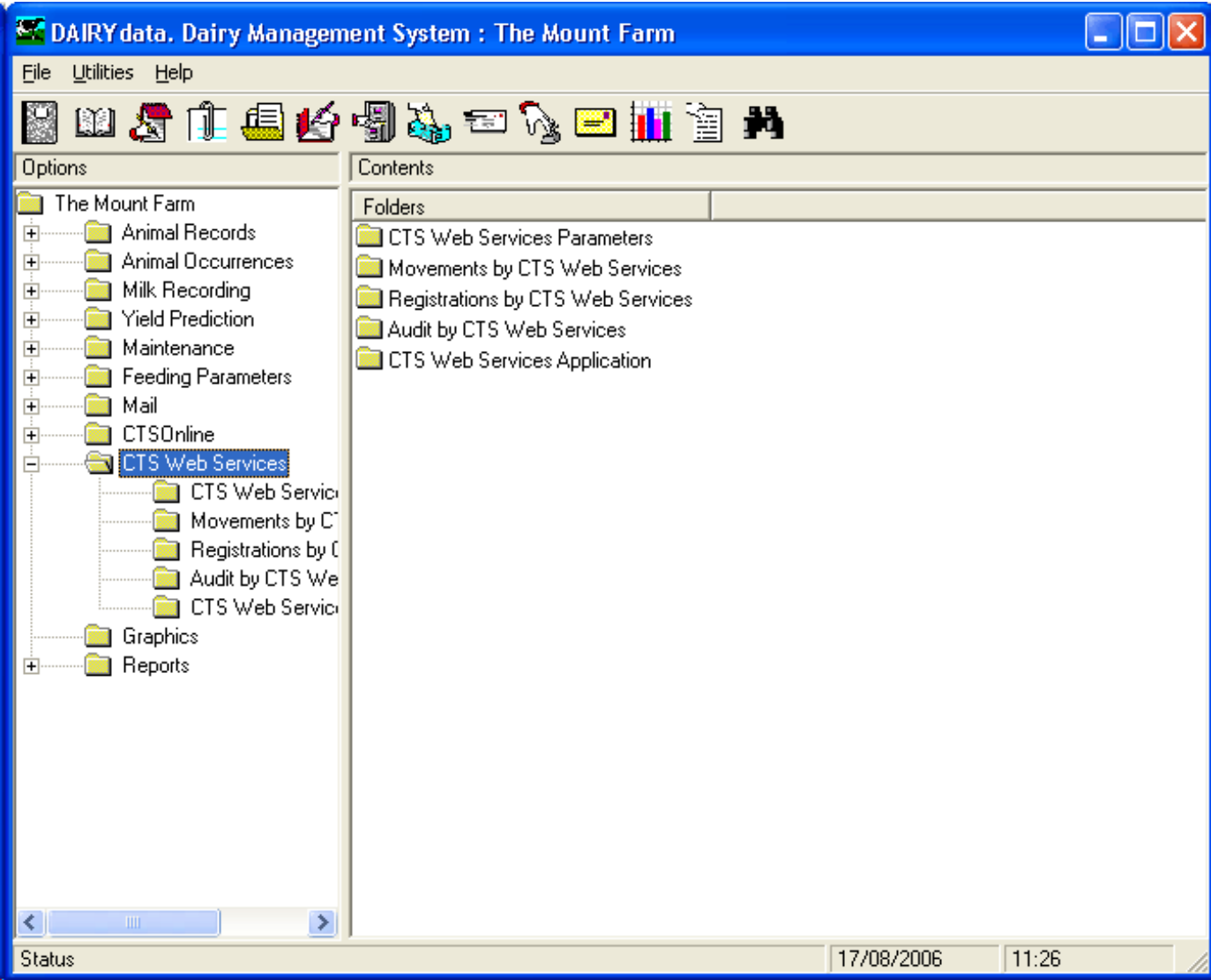
To delete an old report:

Highlight the report you wish to delete and click **Delete** on the Bottom Button Bar.

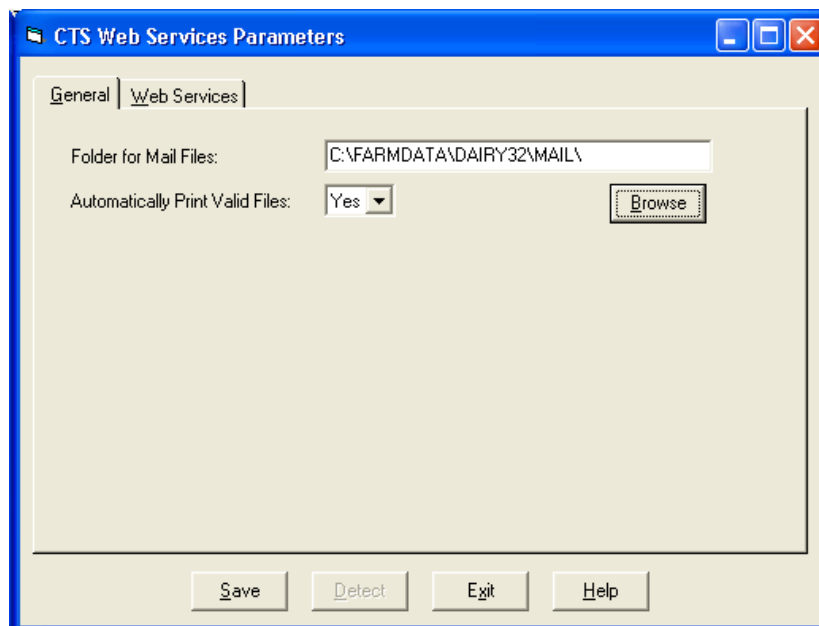
CHAPTER 8 CTS Web Services

This section is only available if CTSdata has been loaded from the CD.

This section utilises the facilities provided by the CTS web services to transmit files of information.



This section sets up the Web Service parameters that are required to allow the system to function.



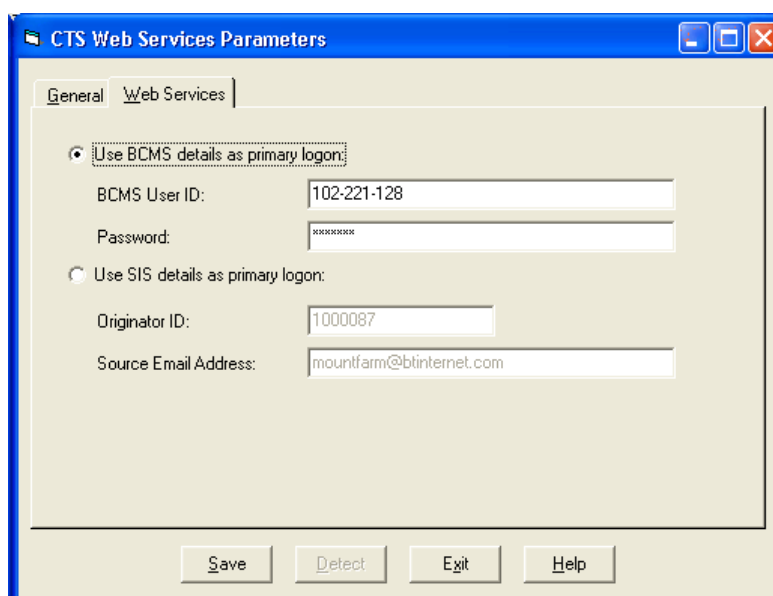
The screenshot shows the 'CTS Web Services Parameters' dialog box with the 'General' tab selected. The 'Folder for Mail Files' is set to 'C:\FARMDATA\DAIRY32\MAIL\'. The 'Automatically Print Valid Files' checkbox is checked. There is a 'Browse' button next to the folder path. At the bottom are buttons for 'Save', 'Detect', 'Exit', and 'Help'.

Folder for Mail Files

This is the folder where copy mail files will be stored. Clicking browse will allow you to select the folder required.

Automatically Print Valid Files

If Set to Yes a copy of the files sent will be printed.



The screenshot shows the 'CTS Web Services Parameters' dialog box with the 'Web Services' tab selected. The 'Use BCMS details as primary logon' radio button is selected. The 'BCMS User ID' is '102-221-128' and the 'Password' is masked with 'xxxxxxx'. The 'Use SIS details as primary logon' radio button is unselected. The 'Originator ID' is '1000087' and the 'Source Email Address' is 'mountfarm@btinternet.com'. At the bottom are buttons for 'Save', 'Detect', 'Exit', and 'Help'.

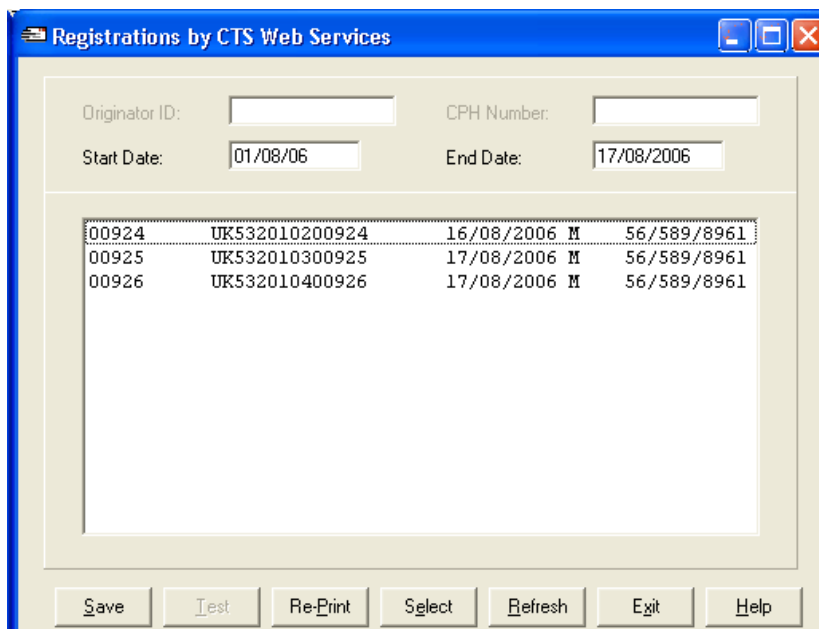
Two methods of authentication can be used by the CTS Web Services. Farmdata recommend that the BCMS details are used as the SIS details cannot be used to do an Audit with BCMS.

All cattle keepers were issued with a BCMS Used ID and Password in 2002. If you have lost these they can be re-issued by BCMS on request.

8 2 Registrations by CTS Web Services

This section sends Calf Registrations to BCMS Using CTS Web Services.

1. Go into CTS Web Services and then Registrations by CTS Web Services.



Originator ID	CPH Number	Date
00924	UK532010200924	16/08/2006 M 56/589/8961
00925	UK532010300925	17/08/2006 M 56/589/8961
00926	UK532010400926	17/08/2006 M 56/589/8961

Start Date, End Date. This sets the range of dates of birth that will be included in the report. On entry the routine the start date is set 1 day later than the end date of last usage.

For registrations there is no prior need to use the registration routine in the Premium Occurrence. This routine will change the status to Registered.

Click Refresh and the eligible animals will be displayed. If errors are encountered these can be displayed. Errors may include invalid eartags in the calf or dam or invalid or missing CPH number in the birth location.

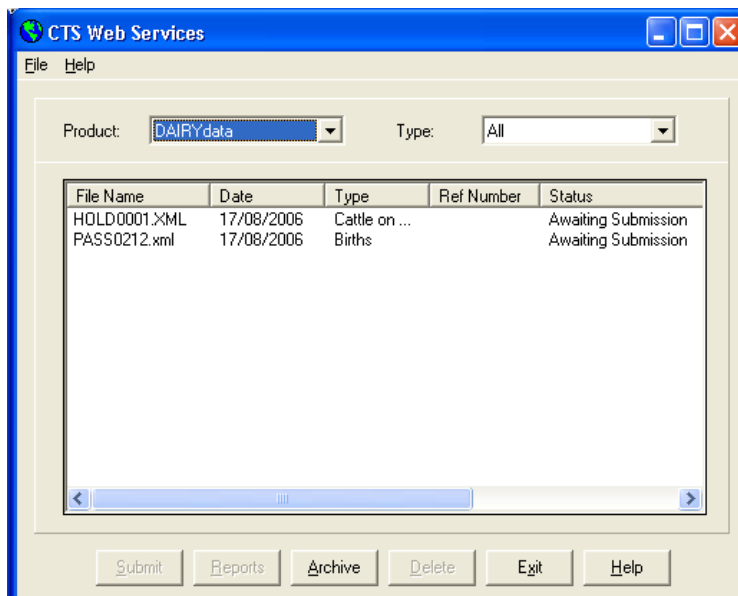
Select the animals in the list by clicking on them individually or all the animals by clicking on Select. You may then deselect some by clicking on them.

Once all are selected click Save.

You will be asked if you require a printed copy.

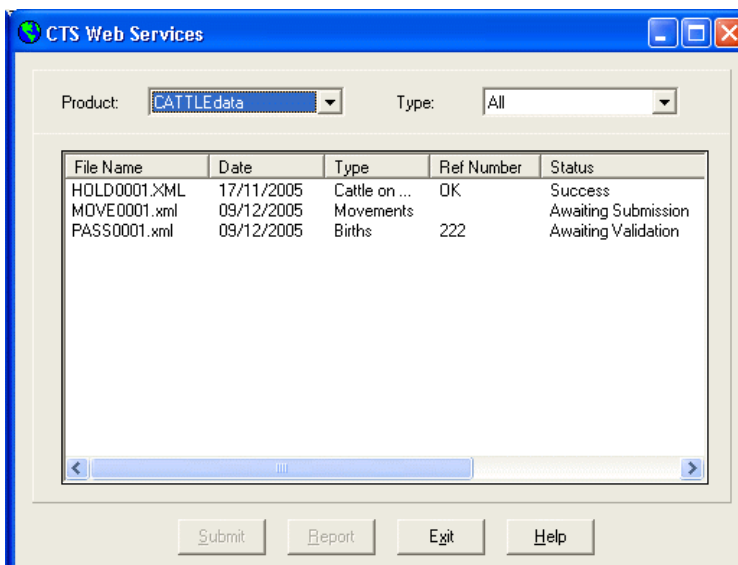
You will than be asked if you want to send the file now.

2. At this point the Web Service Application will run. The first registration file is named PASS0001.xml Each subsequent registration file will increase the number by 1. Newly created files have a Status of “Awaiting Submission”.



3. Click on the file and Click Submit. (You should have an open line before you click Submit) When you first submit the file, a basic validation is immediately done by the Web Service and you will receive back within a few seconds either a Reference Number (Status Changes to “Awaiting Validation”) or an Error Message. If you get an error at this stage it is likely that you either have not opened your line or the BCMS Server is off line. Consult Farmdata if you get the error persists at this stage.

If you get back “Awaiting Validation” with a Reference Number the first part has been successful. You then need to do a further re-submission of the file at a later time. You can leave Dairydata at this time. When you return to check go to CTS Web Services and CTS Web Services Application, This takes you back to the file list. Highlight and Submit the file again. This checks that the information in the file has been validated and accepted by BCMS. This then turns the Status to “Accepted”. It can take up to 24 hours for this validation process to be completed by BCMS.



4. If you get an “Error” on the second submission then all or some of the applications have been rejected by BCMS. You can then display a report which will show the problem animals and a note of why they were not accepted. Do this by highlighting the file and clicking Report. Select Error in the report screen. From this you can see which animals have been rejected and why.

An example of an error report.

5. The corrected animals can then be re-selected and processed in a totally new submission.
6. At any stage the file can be highlighted and Report clicked on. This gives the opportunity to see exactly what has been submitted at any stage.

8 3 Movements by CTS Web Services

This section is used to inform BCMS of movements.

Go into CTS Web Services and then Movements by CTS Web Services.

Type Default will only display movements on and off of the holding relating to that holding.
All will display both sides of a movement, that is the on or off of your holding and on or off of the other party involved in the movement.

Start Date, End Date. This sets the range of dates of movements that will be included in the report. On entry the routine the start date is set 1 day later than the end date of last usage.

Click Refresh and the eligible animals will be displayed. If errors are encountered these can be displayed. Errors may include incorrect eartags or invalid or missing CPH number in the movement location.

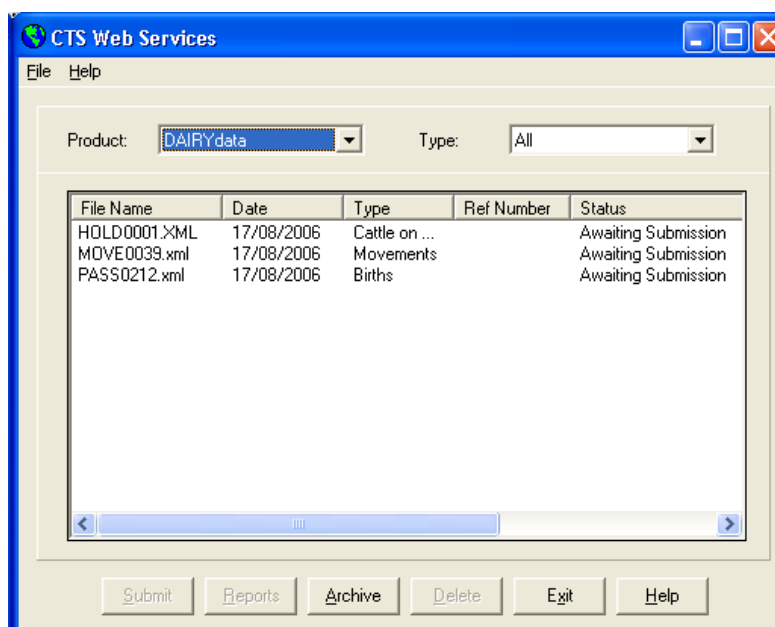
Select the animals in the list by clicking on them individually or all the animals by clicking on Select. You may then deselect some by clicking on them.

Once all are selected click Save.

You will be asked if you require a printed copy.

You will than be asked if you want to send the file now.

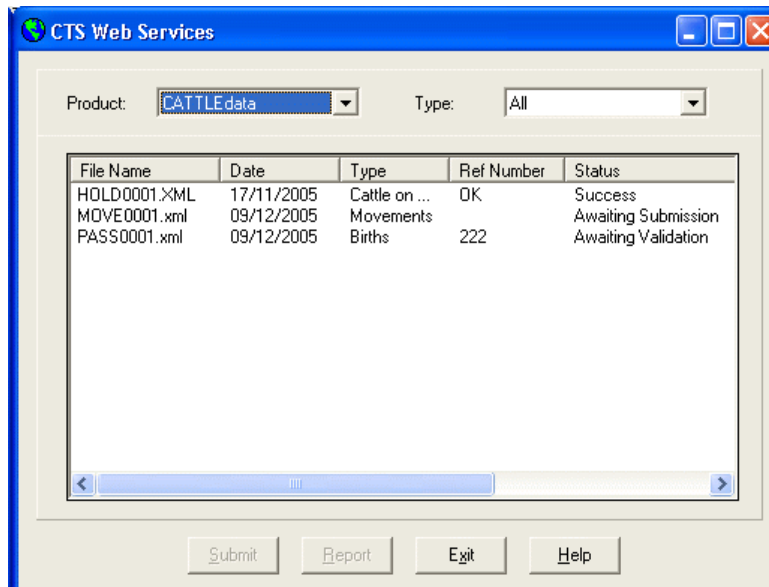
7. At this point the Web Service Application will run. The first movement file is named MOVE0001.xml Each subsequent movement file will increase the number by 1. Newly created files have a Status of "Awaiting Submission".



8. Click on the file and Click Submit. (You should have an open line before you click Submit) When you first submit the file, a basic validation is immediately done by the Web Service and you will receive back within a few seconds either a Reference Number (Status Changes to "Awaiting Validation") or an Error Message. If you get an error at this stage it is likely that you either have not opened your line or the BCMS

Server is off line. Consult Farmdata if you get the error persists at this stage.

If you get back “Awaiting Validation” with a Reference Number the first part has been successful. You then need to do a further re-submission of the file at a later time. You can leave Dairydata at this time. When you return to check go to CTS Web Services and CTS Web Services Application, This takes you back to the file list. Highlight and Submit the file again. This checks that the information in the file has been validated and accepted by BCMS. This then turns the Status to “Accepted”. It can take up to 24 hours for this validation process to be completed by BCMS.



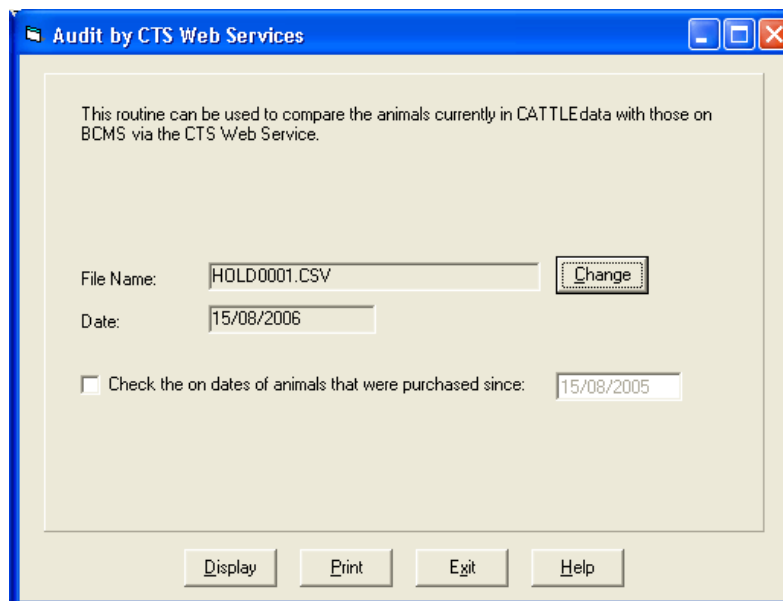
9. If you get an “Error” on the second submission then all or some of the applications have been rejected by BCMS. You can then display a report which will show the problem animals and a note of why they were not accepted. Do this by highlighting the file and clicking Report. Select Error in the report screen. From this you can see which animals have been rejected and why.

These problems will need to be corrected in the animal’s record in Dairydata before they can be resubmitted to BCMS.

10. The corrected animals can then be re-selected and processed in a totally new submission.
11. At any stage the file can be highlighted and Report clicked on. This gives the opportunity to see exactly what has been submitted at any stage.

8 4 Audit by CTS Web Services

This section is used to compare the animals currently held on BCMS with those held on Dairydata and show the differences.



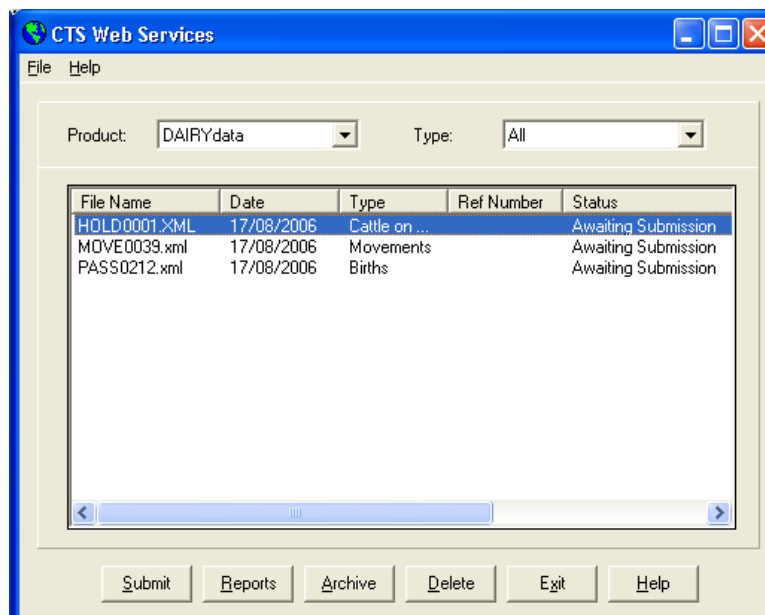
This routine can be used to compare the animals currently in CATTLEdata with those on BCMS via the CTS Web Service.

File Name:

Date:

☐ Check the on dates of animals that were purchased since:

Click the Change button. You will be taken into the CTS Web Services screen.



File Help

Product: Type:

File Name	Date	Type	Ref Number	Status
HOLD0001.XML	17/08/2006	Cattle on ...		Awaiting Submission
MOVE0039.xml	17/08/2006	Movements		Awaiting Submission
PASS0212.xml	17/08/2006	Births		Awaiting Submission

A file HOLD0001.XML will be created. Highlight this file and click submit. (Your line should be open before clicking Submit).

The system should process for a few seconds and the status should change to "Success"

Click Exit at this point.

This will take you back to the Audit by CTS Web Services screen, Click Ok on the Download Complete screen and then click either Display or Print.

The animals with errors will then be presented.

Ear Number	Official Tag	Born	BCMS Born	Sex	BCMS Sex	Breed	BCMS Breed	On Holding	Dam	BCMS Dam
Animals with Errors										
Bull Records										
00074	UK281584100074			M	F					
Cow Records										
00038	UK340857600038	12/08/00	12/09/00			HO	HF			
00070	UK340857300070									
Animals on CATTLEdata only										
Cow Records										
00151	UK340857700851	15/09/00		F		HO		15/09/00	O7132 S97	
Animals on BCMS only										
	UK340857401156		20/11/04	F		HF		20/11/04		UK344238400008
	UK340857700151		15/09/00	F		HO		15/09/00		O7132 S97
Total of 6 Animals.										

The **Animals with Errors** section highlights animals with differences in their Date of Birth, Sex, Breed, On Movement Date and Genetic Dam.

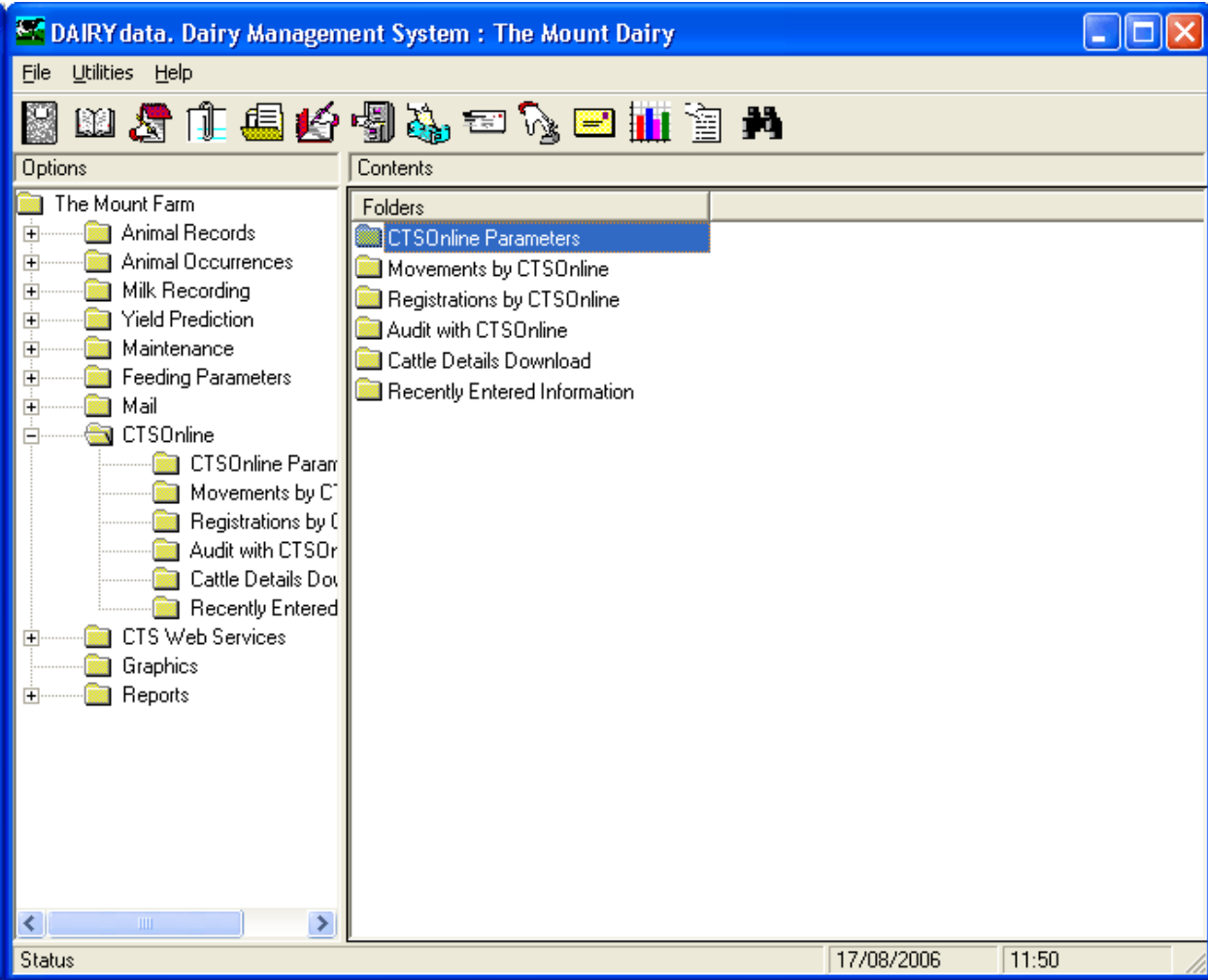
The **Animals on Dairydata only** section shows those animals on Dairydata for which no animal can be found in the BCMS file with the same Official ID Tag.

The **Animals on BCMS only** section shows those animals in the BCMS file for which no animal can be found in the Dairydata with the same Official ID Tag.

Duplicate Animals may also be shown where duplicates exists on BCMS.

CHAPTER 9 CTSOnline

This section utilises the facilities provided within the CTS On-line web site to exchange files of information. It interprets the information provide in the CTS On-line file downloads and creates files which can be used to draw information from the CTS on-line web-site.



CTSONline Parameters.

This sets where the files created in the routines are saved.

You may also turn of the file printing.

9 1 Audit with CTS Online

This allows for the comparison of the live animals on Dairydata with the live animals currently held by BCMS. Any differences will be displayed.

Before doing the audit you must get the file of animals from the CTS On-line web-site. This is the same routine as is used when starting up a new business and is explained fully in the Quickstart Guide.

Once you have the file of animals saved on the computer go to Audit with BCMS. Browse to the file and click Display or Print as required. An error list will be produced.

Ear Number	Official Tag	Born	BCMS Born	Sex	BCMS Sex	Breed	BCMS Breed	On Holding	Dam	BCMS Dam
Animals with Errors										
Bull Records										
00074	UK281584100074			M	F					
Cow Records										
00038	UK340857600038	12/08/00	12/09/00			HO	HF			
00070	UK340857300070									
Animals on CATTLEdata only										
Cow Records										
00151	UK340857700851	15/09/00		F		HO		15/09/00	O7132 S97	
Animals on BCMS only										
	UK340857401156		20/11/04	F		HF		20/11/04		UK344238400008
	UK340857700151		15/09/00	F		HO		15/09/00		O7132 S97
Total of	6	Animals.								

The **Animals with Errors** section highlights animals with differences in their Date of Birth, Sex, Breed, On Movement Date and Genetic Dam.

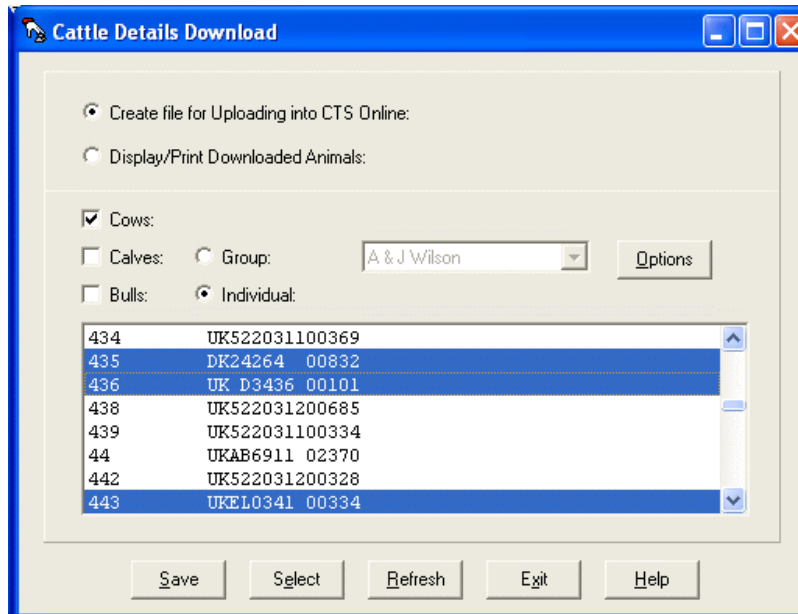
The **Animals on Dairydata only** section shows those animals on Dairydata for which no animal can be found in the BCMS file with the same Official ID Tag.

The **Animals on BCMS only** section shows those animals in the BCMS file for which no animal can be found in the Dairydata with the same Official ID Tag.

9 2 Cattle Details Download

This section allows you find the movement history of animals from the CTS On-line web site.

Select the animals in Dairydata you wish to enquire about.



The screenshot shows the 'Cattle Details Download' window. It has a blue title bar and standard Windows window controls. The main area contains two radio buttons: 'Create file for Uploading into CTS Online:' (selected) and 'Display/Print Downloaded Animals:'. Below these are checkboxes for 'Cows:', 'Calves:', and 'Bulls:'. The 'Cows:' checkbox is checked. Under 'Cows:', there are two options: 'Group:' (selected) and 'Individual:'. The 'Group:' option has a dropdown menu showing 'A & J Wilson' and an 'Options' button. Below these options is a list of animals with their IDs and names. The list is as follows:

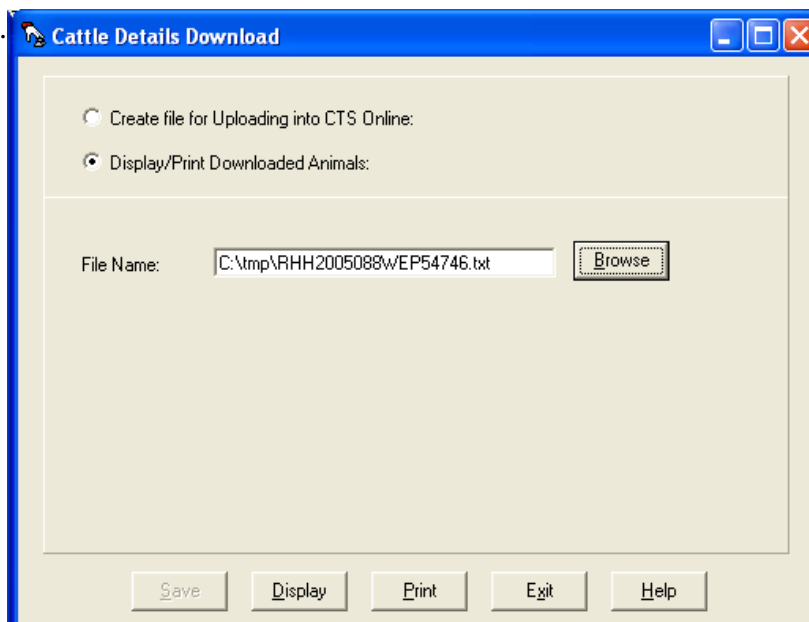
ID	Name
434	UK522031100369
435	DK24264 00832
436	UK D3436 00101
438	UK522031200685
439	UK522031100334
44	UKAB6911 02370
442	UK522031200328
443	UKEL0341 00334

At the bottom of the window are five buttons: 'Save', 'Select', 'Refresh', 'Exit', and 'Help'.

Click Save and a file of those animals called "download.csv" is saved in your default mail folder as set in your mail parameters. This is usually C:\farmdata\dairy32\mail\CTSONline.

In the CTS On-lin web site select "Upload File for Cattle Details Download". Browse to the file created above and follow the instructions on the web site. Save the file of information provided back onto your PC.

In Dairydata browse to the saved file and print or display as required



The screenshot shows the 'Cattle Details Download' window. It has a blue title bar and standard Windows window controls. The main area contains two radio buttons: 'Create file for Uploading into CTS Online:' (unselected) and 'Display/Print Downloaded Animals:' (selected). Below these is a 'File Name:' label and a text box containing 'C:\tmp\RRH2005088\WP54746.txt'. To the right of the text box is a 'Browse' button. At the bottom of the window are five buttons: 'Save', 'Display', 'Print', 'Exit', and 'Help'.

Cattle Details Download

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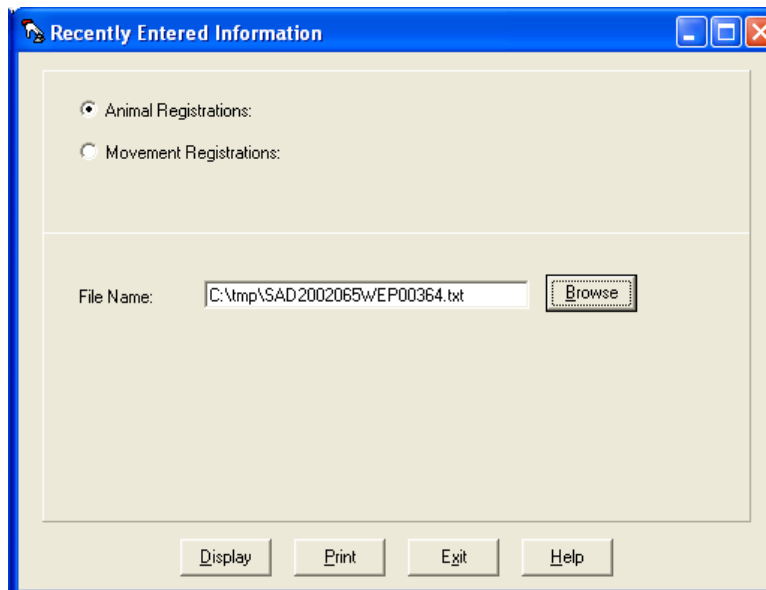
<u>Ear Number</u>	<u>Born</u>	<u>Sex</u>	<u>Sire</u>	<u>Dam</u>	<u>Breed</u>	<u>Official Tag</u>
<u>Date</u>	<u>Location</u>		<u>Movement Type</u>			
00376	26/01/02	F		DK24264 00805	JE	UK522031100376
26/01/02	66/080/0270		Birth			
23/05/04	66/080/0270		Off			
23/05/04	89/698/0009		On			
213	29/01/97	F		60219 1222	JE	DK60219 01344
03/04/98	32/040/0332		Import			
04/04/98	32/040/0332		Off Holding 2000			
10/09/00	66/080/0270		On Holding 2000			
215	11/04/96	F			JE	UK N7736 00076
10/09/00	66/080/0270		On Holding 2000			
222	30/04/00	F		DK034108 01747	JE	UKAB6911 02387
30/04/00	66/080/0270		Birth			
Total of	4 Animals.					

9 3 Recently Entered Information

This section displays the file of animal details which has been downloaded from the CTS On-line web site.

In the web site use the option to "Download Recently Entered Information". Two options are available, Recently Entered Movements and Recently Entered Registrations. Each option will create a file to save on the PC.

After you have saved the files in CTS On-line: in Dairydata go to Recently Entered Information select the option you require and browse to the saved file. Click Display or Print as required.



Animal Registrations
BCMS Data

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<u>Ear Number</u>	<u>Born</u>	<u>Sex</u>	<u>Sire</u>	<u>Dam</u>	<u>Breed</u>	<u>Submitted</u>	<u>Location</u>
<u>C101</u> UK123456 00001	01/02/02	F		UK H7122 00001	AA	13/02/02	17/002/0002
<u>C102</u> UK123456 00003	01/02/02	M		UK H7122 00005	CC	25/02/02	17/002/0002
<u>C103</u> UK123456 00022	01/02/02	F		SP1235	AA	13/02/02	17/002/0002
<u>C104</u> UK123456 00023	01/02/02	F		UK H7123 00003	AA	25/02/02	17/002/0002
<u>C105</u> UK222222 00002	01/02/02	F		UK H7123 00002	AA	25/02/02	17/002/0002
<u>C106</u> UK123456 00002	01/02/02	F		UK H7122 00003	AA	25/02/02	17/002/0002
<u>C107</u> UK111111 900222	01/02/02	F		UK H7122 00002	AA	25/02/02	17/002/0002
<u>C108</u> UK123456 00024	01/02/02	F		UK H7123 00004	AA	25/02/02	17/002/0002
Total of		8 Animals.					

This section creates a file of newly born calves for importing into the CTS Online web site.

ID	Tag	Date	Sex	CPH
00114	UK462061100114	08/04/2002	F	22/014/2354
00115	UK462061200115	09/04/2002	M	22/014/2354
00116	UK462061300116	10/04/2002	M	22/014/2354
00117	UK462061400117	10/04/2002	F	22/014/2354
00118	UK462061500118	12/04/2002	F	22/014/2354
00119	UK462061600119	12/04/2002	F	22/014/2354
00120	UK462061700120	14/04/2002	M	22/014/2354
00121	UK462061100121	15/04/2002	F	22/014/2354
00122	UK462061200122	17/04/2002	M	22/014/2354
00123	UK462061300123	19/04/2002	F	22/014/2354
00124	UK402061400124	19/04/2002	F	22/014/2354
00125	UK462061500125	21/04/2002	F	22/014/2354
00126	UK462061600126	22/04/2002	F	22/014/2354

You do not have to run through the registration routine in the Premium Section of Calf Occurrences to declare the animals which are to be registered. Animals selected and saved here will be declared as registered on today's date.

Start Date The date that this batch is to begin with, this is the date of birth. It will always be one day after the end date of the last batch. You can over-ride this if necessary.

End Date The end date for this batch of registrations, usually today's date.

Once you have set the above click Refresh. The eligible registrations will be displayed on the screen. You may at this point get an error message. Displaying this error list will show the animal births with tag formats which are incorrect, births with no CPH Number in the birth movement record or Dam Tags which have an unacceptable format. Refer to Appendix B for acceptable metal tag formats.

This list can be printed and the necessary adjustments made to the animal records. Re-tagging is the only way to change the format of a tag for the calf. If the Dam tag needs to be edited, this can be done in the Tags Section of the Calf Record for a bought in calf. For a home-bred calf, you should probably also Re-Tag the Dam so that it will be correct for future calf registration.

The CPH number can be corrected in the Location Option of the Maintenance Section.

You can now go back into Mail Registration. Check that your dates are correct, Refresh again and the list will be recreated, hopefully now with no errors.

Once you are happy with the list you can click Select to highlight all the births for registration. If any Births have already been registered you will be warned. (They have an **R** on the line). You can over-ride this but it is not to

be recommended. Deselect them by clicking on them and taking the highlight off.

You may also get animals with an **L**. These are more than 27 days old and will be declared by BCMS as late applications.

Refresh will deselect all the animals on the list.

Save will create the file.

This file is saved on the hard disk in a sub directory of your computer. The first file is called PASS0001.CSV, the second PASS0002.CSV and are usually located in the folder C:\FARMDATA\DAIRY32\MAIL\CTSOnline.

This section creates a file of movements for importing into the CTS Online web site.

ID	Location	ID	Date	Reference
00003	UK X1412	00003	29/10/2002	22/014/2354-01
00089	UKKG0737	00089	30/10/2002	22/014/2354-01
00012	KG0385	00012	24/04/2003	22/014/2354-01
00015	UK X1412	00015	24/04/2003	22/014/2354-01
00235	UK320562100120		24/04/2003	22/014/2354-01

Type **Default** selects only on movements to this holding and off movements from this holding. These are the ones you are required to send to BCMS.

All shows both sides of a movement, the off movement from the seller and the on movement to you when you purchase an animal and similarly both sides of a sale. To do this you will need the appropriate CPH or MHS numbers in the external locations.

Start Date The date this batch of movements is to begin. It will always be one day after the end date of the last batch. You can over-ride this if necessary.

End Date The end date for this batch of movements, usually today's date.

Once you have set the above click Refresh. The eligible movements will be displayed on the screen. You may at this point get an error message. Displaying this error list will show the animal movements with tag formats which are incorrect or movement locations with no CPH Number in the record.

This list can be printed and the necessary adjustments made to the animal records. Re-tagging is the only way to change the format of a tag. Refer to Appendix B for acceptable metal tag formats.

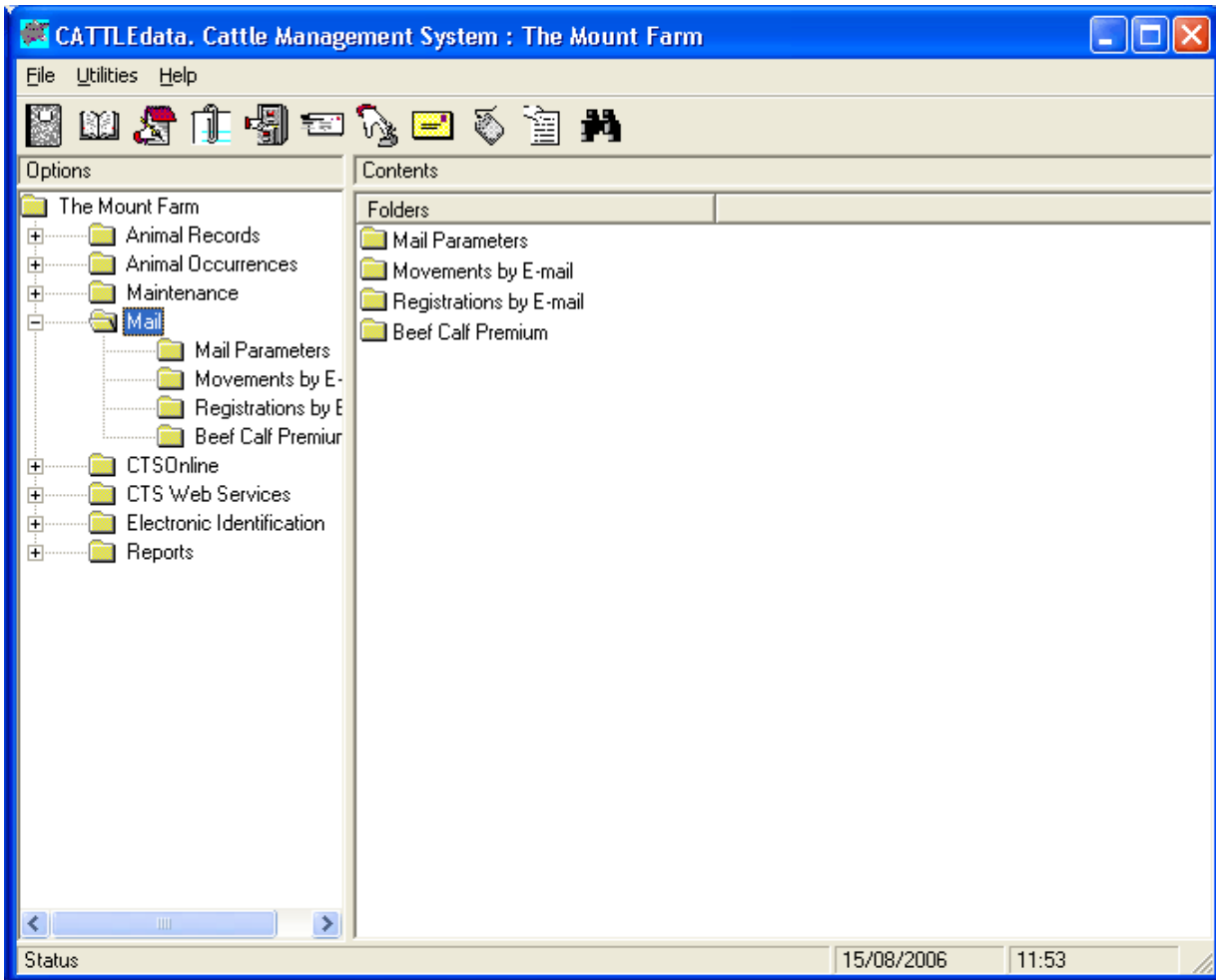
Once you are happy with the list you can click Select to highlight all the movements. If any movements have already been registered you will be warned.(They have an R on the line) You can over-ride this but it is not to be recommended. Deselect them by clicking on them and taking the highlight off.

Click save to create the file.

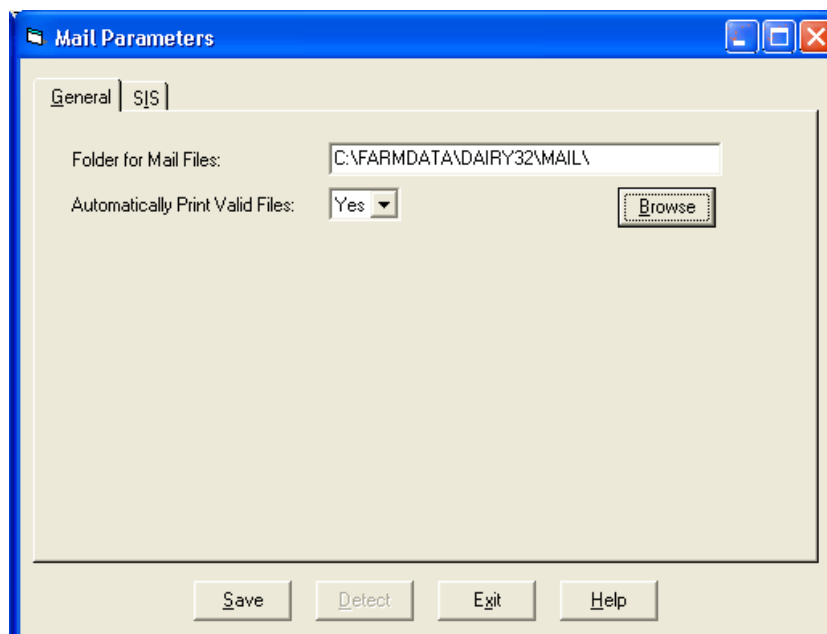
This file is saved on the hard disk in a sub directory of your computer. The first file is called MOVE0001.CSV, the second MOVE0002.CSV and are usually located in the folder C:\FARMDATA\DAIRY32\MAIL\CTSONline.

CHAPTER 10 Mail

This section is used to control and create all the electronic data exchange facilities within the program for communication to BCMS using SIS and SEERAD for the Beef Calf Scheme.



This section sets up the e-mail parameters which control how mail is handled.

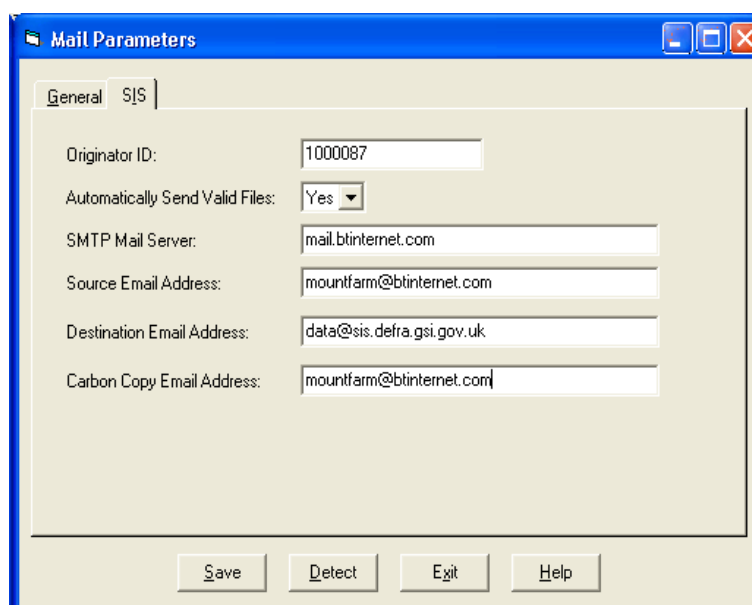


Folder for Mail Files

This is the folder where copy mail files will be stored. Clicking browse will allow you to select the folder required.

Automatically Print Valid Files

If Set to Yes a copy of the files sent by mail will be printed.



Clicking **Detect** will try to detect the appropriate entries set on your PC and fill them in as appropriate.

Originator ID

This is the number issued to you BCMS when you register to use the SIS system.

Automatically Send Valid Files

If set to Yes, your e-mail will be activated and the message sent on saving

the selected animals in the Registrations by e-mail and Movements by e-mail sections. If set to No the files will be saved in the selected directory for mailing later.

SMTP Mail Server	The server used by your e-mail system for outgoing mail.
Source E-Mail Address	The address from which you send e-mail to BCMS as declared on you application form sent to BCMS.
Destination E-Mail Address	The address to which the e-mails are sent at BCMS. Given to you by BCMS on passing the conformance test.
Carbon Copy E-Mail Address	If you wish to send a check e-mail to yourself or another individual the appropriate address should be filled in here.

Please ask Farmdata for advice on setting this section up if you are unsure.

This creates the e-mail file of movements to send to the BCMS.

Before this is done you should register with BCMS for electronic mail. You will then be given an Originator ID and instructed to perform a conformance test for verification purposes.

To do this you should enter your Originator ID, ensure your CPH Number and Herd Number are correct, select **Test** and the program will create a file, which will be sent by e-mail to the BCMS.

Originator ID	Type	Start Date	End Date
001234	Default	25/09/2002	24/04/2003

CPH Number	Herd Number	CPH Number	Date	Tag Format
00003	UK	X1412	00003	29/10/2002 22/014/2354-01
00089	UK	KG0737	00089	30/10/2002 22/014/2354-01
00012		KG0385	00012	24/04/2003 22/014/2354-01
00015	UK	X1412	00015	24/04/2003 22/014/2354-01
00235	UK	320562100120		24/04/2003 22/014/2354-01

Buttons: Save, Test, Re-Print, Select, Refresh, Exit, Help

Originator ID This is a number allocated to you by the BCMS when you register with them for e-mail movements. Once entered it is recorded in the parameters. It will appear automatically from then on.

Type Default selects only on movements to this holding and off movements from this holding. These are the ones you are required to send to BCMS.
All shows both sides of a movement, the off movement from the seller and the on movement to you when you purchase an animal and similarly both sides of a sale. To do this you will need the appropriate CPH numbers in the external locations.

Start Date The date this batch of movements is to begin. It will always be one day after the end date of the last batch. You can over-ride this if necessary.

End Date The end date for this batch of movements, usually today's date.

Once you have set the above click **Refresh**. The eligible movements will be displayed on the screen. You may at this point get an error message. Displaying this error list will show the animal movements with tag formats which are incorrect or movements with no CPH Number in the record.

This list can be printed and the necessary adjustments made to the animal records. Re-tagging is the only way to change the format of a tag. Refer to Appendix B for acceptable metal tag formats.

Once you are happy with the list you can click **Select** to highlight all the movements. If any movements have already been registered you will be warned.(They have an **R** on the line) You can over-ride this but it is not to be recommended. Deselect them by clicking on them and taking the highlight off.

Refresh will deselect all the animals on the list.

Save will create the e-mail and store a copy in the folder C:\FARMDATA\DAIRY32\MAIL\SIS. The file is called MOVE0001. The second e-mail will create MOVE0002 and so on.

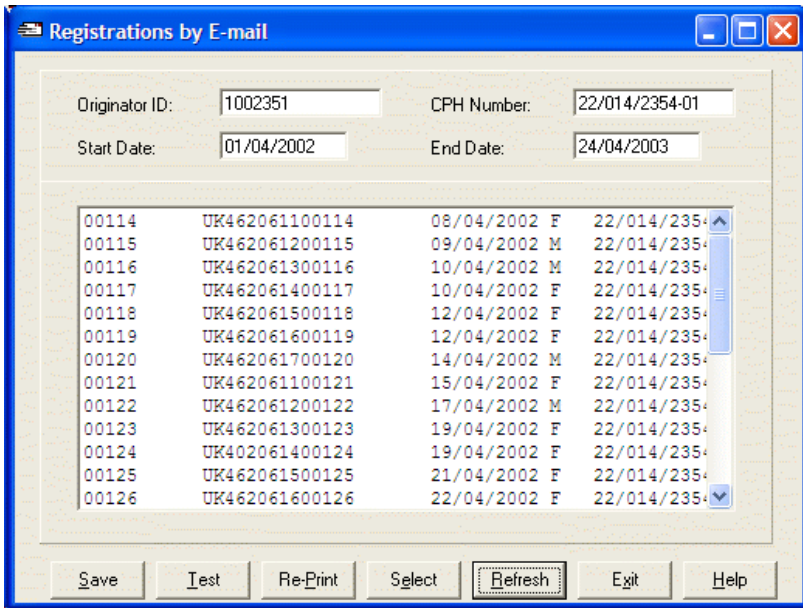
If you have problems with Mail, Farmdata can give assistance.

10 3 Registrations by E-Mail

This creates the file of new births to be registered for passports by e.mail with the BCMS.

Before this is done you should register with BCMS for electronic mail. You will then be given an Originator ID and instructed to perform a conformance test for verification purposes.

To do this you should enter your Originator ID, ensure your CPH Number and Herd Number are correct, select **Test** and the program will create an e-mail to be sent to the BCMS.



You do not have to run through the registration routine in the Premium Section of Calf Occurrences to declare the animals which are to be registered. Animals selected and saved here will be declared as registered on today's date.

Originator ID This is a number allocated to you by the BCMS when you register with them for e-mail. Once entered it is recorded. It will appear automatically from then on.

Start Date The date that this batch is to begin with, this is the date of birth. It will always be

one day after the end date of the last batch. You can over-ride this if necessary.

End Date

The end date for this batch of registrations, usually today's date.

Once you have set the above click **Refresh**. The eligible registrations will be displayed on the screen. You may at this point get an error message. Displaying this error list will show the animal births with tag formats which are incorrect, births with no CPH Number in the birth movement record or Dam Tags which have an unacceptable format. Refer to Appendix B for acceptable metal tag formats.

This list can be printed and the necessary adjustments made to the animal records. **Re-tagging** is the only way to change the format of a tag for the calf. If the Dam tag needs to be edited, this can be done in the Tags Section of the Calf Record for a bought in calf. For a home-bred calf, you should probably also Re-Tag the Dam so that it will be correct for future calf registration.

The CPH number can be corrected in the **Location** Option of the **Maintenance** Section.

You can now go back into Mail Registration. Check that your dates are correct, **Refresh** again and the list will be recreated, hopefully now with no errors.

Once you are happy with the list you can click **Select** to highlight all the births for registration. If any Births have already been registered you will be warned. (They have an **R** on the line). You can over-ride this but it is not to be recommended. Deselect them by clicking on them and taking the highlight off.

You may also get animals with an **L**. These are more than 27 days old and will be declared by BCMS as late applications.

Refresh will deselect all the animals on the list.

Save will create and send the file by e-mail and mark the animals as registered.

This file is saved on the hard disk in a sub directory of your computer. The first file is called PASS0001, the second PASS0002 and are usually located in the folder C:\FARMDATA\DAIRY32\MAIL\SIS.

This section is only available if the Region is set as Scottish. This is set in Maintenance -> Business Parameters -> Premium.

Here you can create the file required by the SEERAD Online web site for the Beef Calf Scheme.

Tag	CPH Number	Date	Sex	Grade
0256	UK522031700256	20/12/2004	M	AAX
0257	UK522031100257	22/12/2004	M	AAX
0258	UK522031200258	22/12/2004	M	AAX
0259	UK522031300259	22/12/2004	F	AAX
0260	UK522031400260	22/12/2004	F	AAX
0261	UK522031500261	22/12/2004	F	AA
0262	UK522032400262	22/12/2004	F	AAX
0263	UK522032500263	22/12/2004	F	AAX
0264	UK522032600264	22/12/2004	F	AA
0265	UK522032700265	20/01/2005	M	AAX

Start Date The date this batch of claims is to begin. It will always be one day after the end date of the last batch. You can over-ride this if necessary.

End Date The end date for this batch of claims, usually today's date.

Once you have set the above click Refresh. The eligible calves will be displayed on the screen. You may at this point get an error message. Displaying this error list will show the animals with tag formats which are incorrect or locations with no CPH Number in the record.

This list can be printed and the necessary adjustments made to the animal records. Re-tagging is the only way to change the format of a tag. Refer to Appendix B for acceptable metal tag formats.

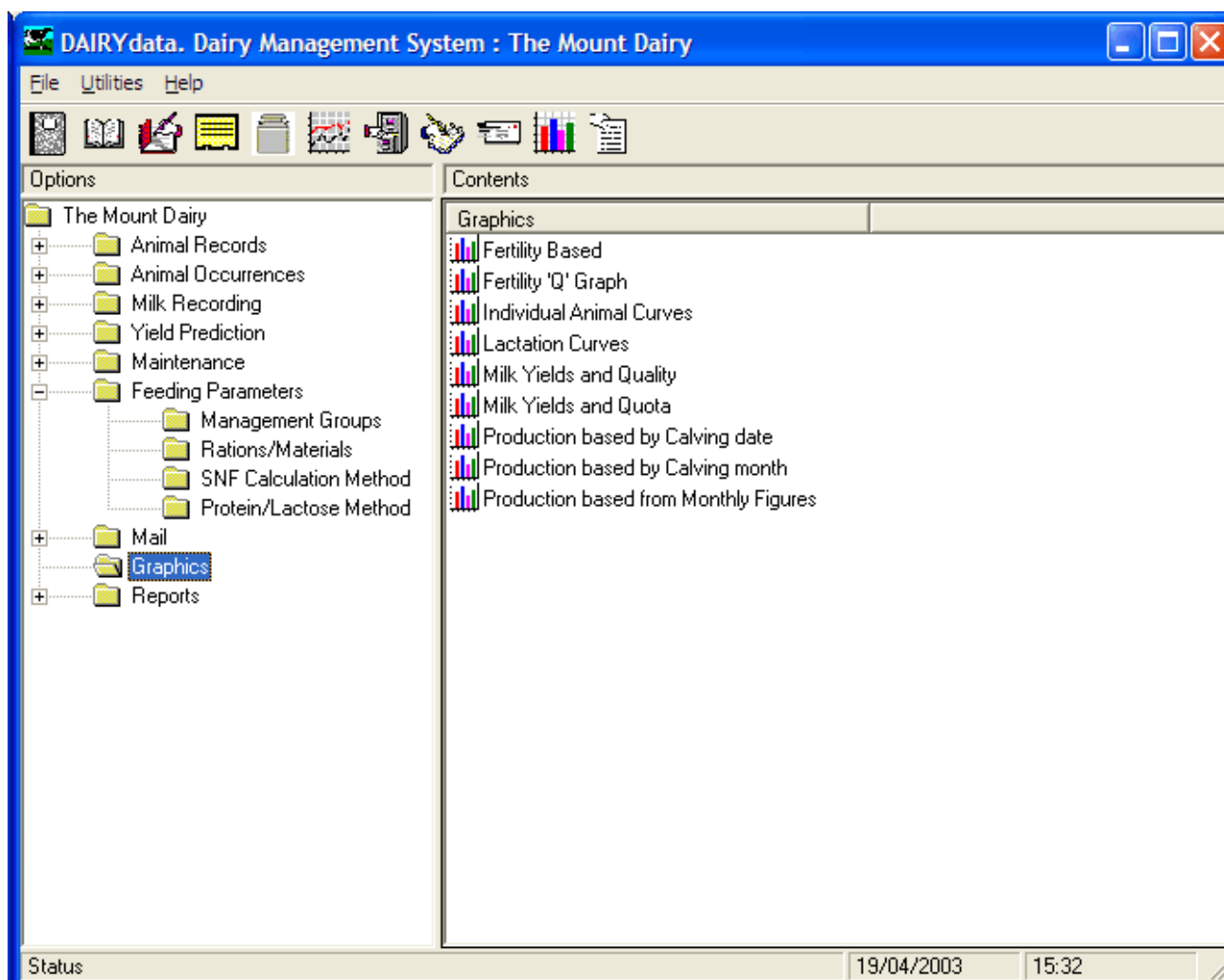
Once you are happy with the list you can click Select to highlight all the animals.

Click save to create the file.

This file is saved on the hard disk in a sub directory of your computer. The first file is called SCBS0001.XML, the second SCBS0002.XML. The files are located in the folder which is set in the Mail Parameters. This is usually C:\FARMDATA\DAIRY32\MAIL\SEERAD.

CHAPTER 11 Graphics

This section allows for the graphical representation of many aspects of the herd performance.



Different graphical representation are used within the system; Line Graphs, Scatter Graphs and Q Graphs are used.

Fertility Based

This section allows you to produce graphs of Fertility against various other factors and are presented in the form of scatter diagrams.

You can select from the following vertical axis:

1. Past Calving Interval.
2. Future Calving Interval.
3. Days to Oestrus.
4. Days to 1st Service.
5. Calving to Conception.

These may be plotted against any of the following horizontal axis:

1. Peak Yield - This Lactation.
2. 305 Day Yield - Past Lactation.

3. Calving Date.

Various Limits can be set for the above graphs.

Animals

This specifies that the graph is to be produced for Cows, Heifers or Both.

Calving Month

This specifies that the graph is to be produced for animals who last calved in a particular month.

Fertility Based Q Graphs

This section allows you to produce graphs based upon all the outstanding services. The services are presented in date order and the graph moves one position to the right for a successful service or one to the left for a failure. You may only produce a legitimate graph for the past 3 to 40 weeks, approximately, since beyond that period the cows would have started to calve and since that period the results are not confirmed.

Individual Animal Curves

This section allows you to produce graphs of various individual items from the cows record for each of her lactations.

The following may be selected for the vertical axis:

1. Weekly Recordings.
2. Butterfat.
3. Protein.
4. Lactose.
5. Cell Count.
6. MOPF.
7. Kg/Litre.

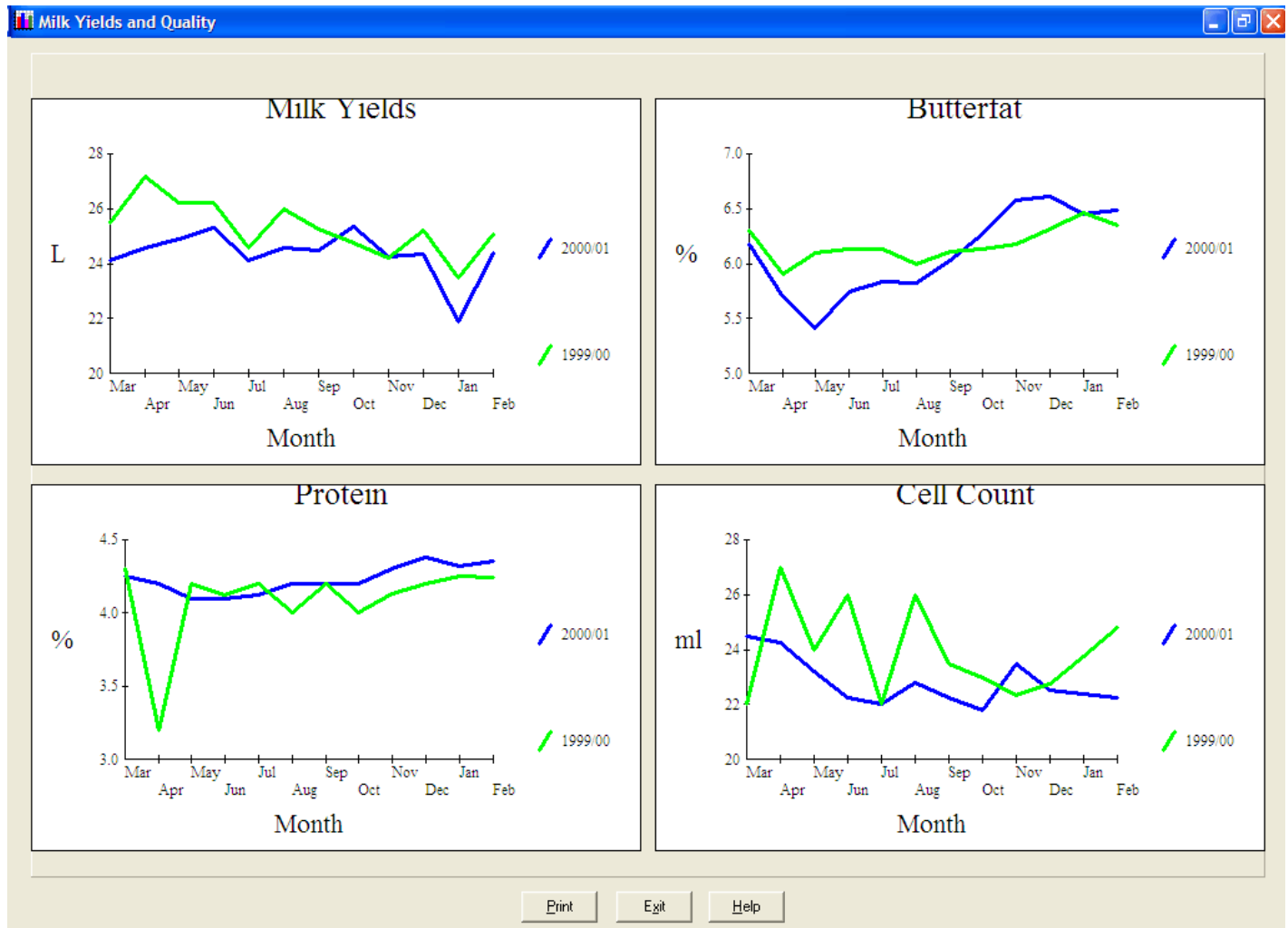
Lactation Curves

This section allows you to produce graphs for 1st, 2nd, 3rd + and Whole Herd for each calving month. These are based upon the yields entered for each cow when you do a Milk Recording.

Milk Yields and Quality

This section allows you to produce graphs for Milk Yields, Butterfat, Protein, Cell Count and Concentrates Fed in kg/litre. These are based upon the figures that accumulate each time you do a Milk Recording. If you need to change these then this can be done in Yield Prediction -> Monthly Figures.

Up to 4 of these can be display simultaneously.



Milk Yields & Quota

This section allows you to produce a graph of Milk Yield and Quota for the current Quota Year. These are based upon the figures that accumulate each time you do a Milk Recording. If you need to change these then this can be done in Yield Prediction -> Monthly Figures and Quota and Milk Prices.

Production Based by Calving Date

This section allows you to produce graphs of various individual items from the cows record against other factors.

The following may be selected for the vertical axis:

1. Weekly Recordings - This Lactation.
2. Weekly Recordings - Past Lactation.
3. Weekly Kg/Litre - This Lactation.
4. Weekly MOPF - This Lactation.

These may be plotted against any of the following horizontal axis:

1. Calendar Date.
2. Days in Milk.

Various Limits can be set for the above graphs.

Animals

This specifies that the graph is to be produced for Cows, Heifers or Both.

Calving Month

This specifies that the graph is to be produced for animals who calved in a particular month.

Production Based by Calving Month

This section allows you to produce graphs of various individual items from the cows record against their calving month.

The following may be selected for the vertical axis:

1. Peak Yield - This Lactation.
2. Peak Yield - Past Lactation.
3. Latest Butterfat.
4. Cumulative Average Butterfat.

Various Limits can be set for the above graphs.

Animals

This specifies that the graph is to be produced for Cows, Heifers or Both.

Production Based from Monthly Figures

This section allows you to produce graphs of various individual items from the monthly figures.

The following may be selected for the vertical axis:

1. Average Daily Milk.
2. Average Cows in Milk.
3. Average Daily MOPF.
4. Average Daily Concentrates.

Appendix A Selective Reporting Headings

The following is a list of headings available in selective reporting, along with the number of character positions each item occupies on a report. This list is subject to change without notice.

No.	Description	Width
1	Ear Number	11
2	Date of Birth	11
3	Age in Days	7
4	Sex	8
5	Sire	11
6	Sire Tag	21
7	Dam	11
8	Dam Tag	21
9	Surrogate Dam	21
10	Surrogate Dam Tag	21
11	Breed	21
12	Colour	21
13	Official Tag	20
14	Electronic Tag	21
15	Name	21
16	Comment	21
17	Status	12
18	CCD Status	12
19	CCD Number	25
20	Date Registered	11
21	Passport Type	11
22	Method Used	15
23	1 st Premium Due	11
24	1st Premium Date	11
25	1 st Premium Value	9
26	2 nd Premium Due	11
27	2nd Premium Date	11
28	2 nd Premium Value	9
29	30 Month Date	11
30	Date Castrated	11
31	Replaced By	21
32	Cond. Score	7
33	Calv. No.	7
34	Date Calved	11
35	Last Calf's Ear Tags	20
36	Last Calf's Official Tags	41
37	Last Calf's Sire	11
38	Last Calf's Sex	20
39	Calving Score	21
40	Dried off	11
41	Times Served	7
42	Last Oestrus	11
43	Last Served	11

44	Days to Oestrus	9
45	Days to Service	9
46	Last Bull	10
47	Expect Calving	11
48	Calv. To Concept	11
49	Fut Calv Int	7
50	Past Calv Int	7
51	Service Dates	54
52	Service Dates + Bulls	81
53	Service intervals	30
54	Current Group	20
55	Date Grouped	11
56	Current location	20
57	Date moved	11
58	Location History	84
59	Health Treatments	84
60	Health + Drugs	114
61	Purch. Price	8
62	Purch Inv No.	11
63	Date Bought	11
64	Bought From	20
65	Cull Code	20
66	Sale Type	8
67	Date Culled	11
68	Sold to	20
69	Dead Weight	7
70	Sale Price	8
71	Sales Inv. No.	11
72	Grade	7
73	Slaughter Date	11
74	Slaughter Value	11
75	Weighings	48
76	Weights + Dates	102
77	Weighing Intervals	30
78	Latest Weight	7
79	DLWG	7
80	DLWG - Purchase	7
81	DLWG - All Weights	37
82	Margin	8
83	Margin/Day	7
84	Pence/Kg Live	7
85	Pence/Kg Dead	7
86	Current Recording	8
87	Previous Recording	8
88	Total Yield	8
89	Peak Yield	8
90	305 Yield	8
91	Days In Milk	8
92	Expected Dry	11
93	Days Dry	8

94	Change L/Wk	8
95	Weeks < Par	6
96	Concs /Feed	8
97	Kg / Litre	8
98	Butterfat	9
99	Butterfat Weight	9
100	Butterfat Average	9
101	Protein	8
102	Protein Weight	8
103	Protein Average	8
104	Lactose	8
105	Lactose Weight	8
106	Lactose Average	8
107	Cell Count	8
108	Cell Count Average	9
109	MOPF 4 Weeks	9
110	Cum MOPF	9
111	Days In Milk Prev Lact	9
112	Yield Prev Lact	9
113	305 Yield Prev Lact	9
114	Peak Prev Lact	9
115	Rec Prev Lact	9
116	Milk Prev Lact	9
117	Gestation	10
118	Services	9
119	Males	6
120	Females	8
121	Twins	6
122	Stillborns	10

Appendix B Metal Tag Formats

When a new Metal Tag is entered the system will automatically verify it against acceptable formats. These include :

i)	UK~ADDDD~DDDDD	
ii)	UKAADDDD~DDDDD	
iii)	UK~~~DDD~DDDDA	(Northern Ireland)
iv)	UK~~DDDD~DDDDA	
v)	UK~DDDDD~DDDDA	
vi)	UKDDDDDD~DDDDA	
vii)	UKDDDDDDDDDDDD	(All Numeric Tags)
viii)	~~DDDDDD~DDDDD	
ix)	~~ZZZZZZZZZZZZ	

A represents a letter (A - Z)

~ is a space

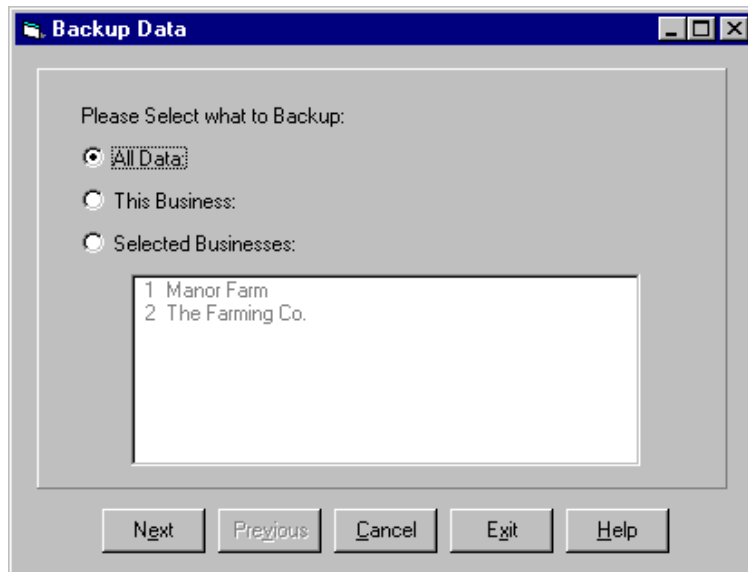
D is a number (0 - 9)

Z is a letter or a space or a number.

Note : There are variations of iii) to vi) in which there may be only 1, 2 or 3 numbers before the last letter. e.g
UK~~~DDD~DA.

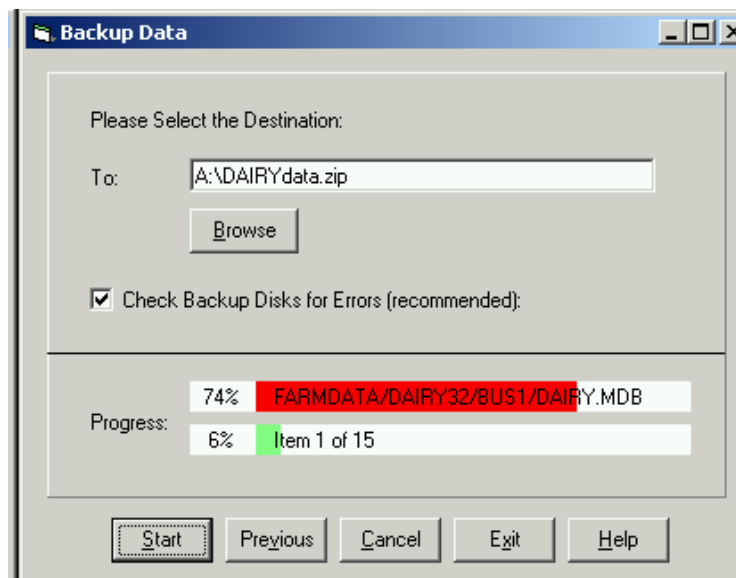
Appendix C Backup & Restore Routines

You are strongly advised to make backup copies of your data. To do a backup you can use the utility supplied with the program which is located under the File menu.



You may select to backup all data, in which case all businesses within the system will be saved, this business which saves only the business in which you are currently working or selected business. If you choose selected businesses you must highlight those you wish to save by clicking on the list.

Click Next and you will be asked where you wish to put the backup. The default is A:\DAIRYdata.zip, if you want to change the location you can click the browse button and select your location.

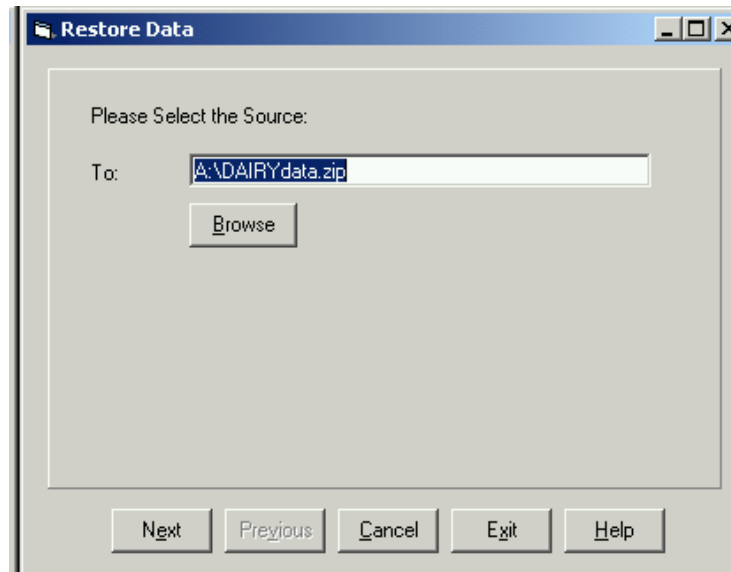


Click next and the backup will begin.

To restore data from a backup created by the above routine use the utility supplied with the program which is

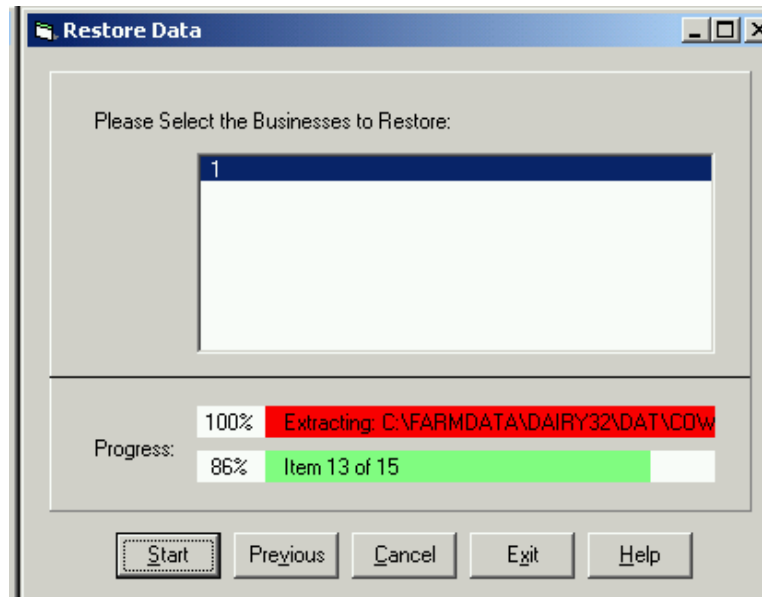
located under the File menu. If you are restoring data it is advisable to do take a backup of the current data first.

Click on Restore Data



The default is again A:\Dairydata.zip. If your backup file is located elsewhere you can use the browse button to locate it.

Click Next to start the restore.



Select the businesses you wish to restore by clicking on them. Click Start to begin the restore.

