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INTRODUCTION

Historically milk recording has been seen as a way to get official milk production records, and this is important especially when marketing cows, but The Cattle Information Service provides so much more. Fertility, health, conformation and ancestry of cows are all important factors that determine if a cow is an asset to the herd or a liability. However, with free time and income on farms being limited at present, it is not always easy for farmers to get the time to make important management decisions concerning the future of individual animals.

CIS has tackled this problem head on by developing the web based ‘Your Herd’ management program, that includes systems and tools that allow the farmer and advisors to view the complete picture of the herd and investigate individual cows, allowing essential management decisions to be made without the need to spend valuable time wading through information from several different sources.

Farmers can also use the data entry area to input events when they happen and all the records are completed. For instance, when entering a calving not only are the milk records updated with a new lactation and the calf added to the youngstock report but, by placing a tick in the box, farmers can apply for BCMS passports and, if needed, pedigree registrations. The new birth is also automatically added to the movement book, ensuring the records meet legislative requirements. All dairy herd events can be added in the same manner, thus eradicating the need for duplication.

Inputting data is fast and efficient, but it is when accessing the information that the system comes into its own. As CIS is part of the Centre of Dairy Information, a wealth of data can be viewed and, as a large part of the website is interactive, users can quickly pinpoint cows that need attention. The fertility, health and cell count sections highlights problem cows, allowing farmers to take immediate action. There is also the facility to print out paper reports, not only those associated with milk recording such as milk statements and lactation certificates, but action lists for outside use. One of the great benefits is the website can be used as a stand alone tool or be used in conjunction with software that is already present on farm, with the facility to download data files to update farm or vet programs such as Orchid, Sum-It, Uniform and Interherd.

All the information is kept in a secure environment, which gives the farmer the peace of mind that if there are computer problems on his farm, his records will not be affected. The data can only be accessed using a password and PIN, therefore the farmer chooses who sees the herd’s information. Users can also register a mobile phone number to receive a text message when milk records are updated, allowing farmers and advisors to view important cell count information without relying on posted paper reports.

There is no extra cost to use the service, so whether the farmer chooses to view only after each milk-recording test or to use the data entry options. ‘You Herd’ offers real time and financial benefits.
All Milk recording customers and there advisors can access herd data through the login on the home page.

1a. **Member Login**

![Login page](image)

Welcome to Your Herd. This provides you with an up-to-date view of your data.

**Herd No:**

(Click here if you are a non-CIS customer)

**PIN:**

Note: You will be logged out automatically if after 60 minutes you have done nothing.

(Click here if you have forgotten your login details)

1b. **Advisor Login**

![Login page](image)

Advisor/Vet Access to Farmers Data

Please enter your Vet ID and password to access your customer’s data.

**Advisor ID:**

**Password:**

Note: You will be logged out automatically if after 60 minutes you have done nothing.

Please click HERE to download the advisor access form

Please click HERE to download the farmer data transfer permission form

Advisor access and farmer data transfer permission forms are also available here
2. Herd Management Menu

The interactive area of ‘Your Herd’ is under the banner of Herd Management Menu, here users can access all management tools, including pedigree society breeding tools if applicable.

2a. Herd Data Entry

In this area users can record routine events on farm by either single entry or by batch. Recent user driven enhancements now include the ability to record mobility scores and weights and height for youngstock. (further detail in our mobility monitoring and data entry handbooks)
2b. Medicine Book

Your Herd - Medicine Book

Note: Before adding new treatments, you should update your Suppliers, Medicines, & Own Farm Treatments/Conditions.

The philosophy behind the web-based medicine book was to ensure that the information met legislation and that the data entered became a management tool rather than a tick-box exercise.

The on-line med book has 3 areas each with 3 steps:

**Area 1** Setup – Add/Maintain Suppliers

<table>
<thead>
<tr>
<th>Supplier Name</th>
<th>Address</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>up to 2 telephone nos for the supplier</td>
</tr>
</tbody>
</table>

Each supplier of medicines needs to be entered, the details can be amended if need be.

**Setup – Add/Maintain Medicines**

<table>
<thead>
<tr>
<th>Medicine</th>
<th>Batch No</th>
<th>Data Purchased</th>
<th>Date Expires</th>
<th>Quantity Purchased</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Select the medicine from either of these lists or type in the name of a new medicine.
As each medicine is purchased, the name, quantity, batch number and supplier must be entered to meet legislation. This can be done by the farmer or remotely by the vet when dispatching the drugs to the farm.

Setup – Add/Maintain Treatments/Conditions

There are list of standard condition and treatments, but farmers may wish to add their own reason for treatment. If this is the case the farmer must assign the reason to a category.

Area 2 Drug Treatment and Administration – Add/Update Treatment

Once an animal is selected a single treatment can be administrated, health history can be viewed, milk/meat withdrawal will be populated once the drug has been selected, A reminder will be set to check recovery progress.

Treating animals as a batch e.g. fly spraying or foot trimming

Step 1 - Choose the treatment
Step 2 – Select animals

Drug Treatment and Administration – View Actions/Outstanding Tasks

All animals that are treated appear on a due list, when they require further attention.

If the animal needs no further treatment the farmer can mark them as clear or reset the reminder.

Area 3 Report & Prints – View Milk/Meat Withdrawal and Medicine Purchases

Reports & Prints – Treatment & Drug Usage History

Vets and farmers can now interrogate treatment and drug usage history to ascertain which treatments have been successful.

This is an example of the reports available, the screen can be filtered by treatment reason and parameters set for a specific dates. This is mirrored in the drug usage area.
This graph in the ‘Health Wall Planner’ area brings together information from the medicine book and milk recording.

The blue lines depict the somatic cell count levels in the herd.

The blue bars are the amount of cases mastitis treated each month.

The purple line is the mean average.

Date notes can also be added that could influence performance.

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### 2c. Production Planner

The graph is built using past production information and fertility data to ascertain the number of cows in the herd each month and their daily yield. The farmer can also tailor the production planner, if fundamental changes are planned for the future, such as selling or buying cows.
2d. Animals For Sale

Farmers can mark whole herds or individual cows for sale, these animals then appear on the CIS and Holstein UK site.

3 Herd Health Reports and Analysis

Herd Health reports and Analysis

**Breeding Data/Analysis**

**Cell Count Contribution**

**Urea Data/Analysis**

**HerdCare Graph**

**Health Wall Planner**

**Ketosis and Acidosis**

**Production versus protein**

**Health Monitor**

* Enhanced * Mobility Monitor

**Health Test Analysis**
3ai. Fertility Chart

Animals are plotted by the days in milk and colour-coded to fertility status. Users can drill down to see individual cow detail, by clicking on any of the dots.

The cow overview can be viewed by selecting dots from any of the ‘Your Herd’ graphs and under ‘view’ link in herd ranking.
3aii. Service Performance Graph

Each service is plotted; positive services go up hill, giving a conception rate on farm. Parameters are user defined and can be filtered by date, service sires, inseminators and groups of cows.

3aiii. 100 Day In-Calf Report

This graph demonstrates how many cows within the herd become pregnant within 100 days post calving. It describes how many cows will calve within 13 months of their previous calving, taking account of all cows within the herd, not just cows with an event.
3b. Cell Count Contributions

View individual cell count contributions and assess impact of withdrawing cow’s milk from the bulk tank, with the ability to view individual cow history.

Cell Count History

3c. Urea Data/Analysis

Each CIS milk sample is routinely analysed for urea at no extra cost to the farmer. The results can be viewed by trends with the option to select only 1st, 2+ lactations or whole herd, there is also the option to view groups by stage of lactation.
Individual cow tests are also plotted against protein levels, users can set the parameters for the shaded areas.

**Your Herd - Urea Graph**

![Urea Graph](image)

**3d. Health Test Analysis**

**Health Test Analysis**

- Health Test Chart
- Health Test Trend Report
- * New* Johne's Control Report
- Health Test Trend Chart
- Edit Health Planner Key Events

Four production disease Jones, IBR, BVD and Lepto analysis can be done on routine milk samples for either individual cows or the bulk tank. Below is an example of one of the reports, this is for the Herdcare accreditation scheme, that CIS participate in.

**Your Herd - HerdCare Graph**

![HerdCare Graph](image)
Individual cow results for each test.

Johnes Risk Groups - All cows that have been tested for Johnes are assigned to a risk group.

Action lists and data entry screens are updated to reflect the risk group of each individual animal.
3e. Health Wall Planner

CIS have incorporated eight graphs into the Health Wall Planner that meet the defra Farm Health Planning initiative criteria using data that is collected from the online medicine book. The approach to proactive health planning, developed by the FHP working group is based on three key principles of: Measure, Manage, and Monitor.

The eight key areas are

**Health Wall Planner**

- Lameness & Locomotion Report
- Mastitis & Milk Hygiene Report
- Calf Scours & Pneumonia Report
- Metabolic/Calving Report
- Fertility - 100 Day In-Calf Rate Report
- Culls/Disposal Report
- Milk Profile Report
- Herd Disease Status Report

The Mastitis & Milk Hygiene Graph below is an example on how these graphs can be used to meet the key principles of Farm Health Planning.

3f. Ketosis & Acidosis

The imbalance of butterfat and protein levels in milk is an early indicator of an imbalance in the feed regime. Graphical illustration of lactating cows is provided illustrating the ratio of butterfat and protein at the last milk test.
Users can set their own parameters and filter to see specific groups, drill down to see individual cows and view a list of cows outside the accepted parameters.

3g. Production Versus Protein

Production Versus Protein

You can choose to view any recording for the herd, each point on the chart represents an animal at the recording.

The green line is the linear regression representing the relationship between milk yield and protein % at the recording and the red line is fixed at 3.2% protein, where these two lines cross is called the 'Protein 3.2% Intercept'.

The 3.2% Protein Intercept is at the point of KG milk per cow that can be sustained by the diet, maintaining 3.2% protein in the milk.
3gii. Production Intercept Trend Graph

The graph shows all recordings for the herd, each bar shows the average milk yield at the recording, if you float over the bar it will display the milk yield at recording and the milk kg where protein % is at 3.2%. In both cases the number of cows represented is also shown. Each dot on the chart represents the Protein 3.2% Intercept KG milk value at that recording, the 3.2% Protein Intercept is at the point of KG milk per cow that can be sustained by the diet, maintaining 3.2% protein in the milk. The line between dots indicates the maximum yield that animals achieve at the recording where the protein does not fall below 3.2%
3h. Health Monitor

Health Monitor

- SCC Analysis - Current Lactation
- SCC Analysis - Trend Graph
- SCC Analysis - Dry Period
- SCC Analysis - Dry Period Trend Graph

3hi. SCC Analysis – Current Lactation with Trend Graph

A list of all in milk animals with their SCC status, the SCC parameters can be tailored to suit the farm and users can filter the list to view specific groups.

This graph displays the trend in the number of cows over time.

Your Herd - SCC Analysis - Current Lactation Trend Graph
3hii. SCC Analysis – Dry Period with Trend Graph

A list of all newly calved animals comparing their first test of lactation SCC with the last test of the previous lactation, the SCC parameters can be tailored to suit the farm and users can filter the list to view specific groups.

<table>
<thead>
<tr>
<th>No.</th>
<th>Animal Identity</th>
<th>Group</th>
<th>Included (week)</th>
<th>Last Test&lt;200</th>
<th>First Test&lt;200</th>
<th>Dry Cows</th>
<th>Calved</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>753</td>
<td>SCOTSHILL OUTSIDE GILLIAN</td>
<td>Remaining High (283 to 1240)</td>
<td>Last Test&lt;200</td>
<td>200</td>
<td>200</td>
<td>3</td>
<td>08 Aug 2019</td>
<td>View</td>
</tr>
<tr>
<td>556</td>
<td>SCOTSHILL E ROSEMARY</td>
<td>Dry Period Rise (0 to 235)</td>
<td>Last Test&lt;200</td>
<td>200</td>
<td></td>
<td>6</td>
<td>09 Jul 2019</td>
<td>View</td>
</tr>
<tr>
<td>885</td>
<td>SCOTSHILLelage SWEEP</td>
<td>Dry Period Rise (0 to 287)</td>
<td>Last Test&lt;200</td>
<td>200</td>
<td></td>
<td>1</td>
<td>10 Aug 2019</td>
<td>View</td>
</tr>
<tr>
<td>872</td>
<td>SCOTSHILL RAGEWIRE MAG</td>
<td>Dry Period Rise (0 to 287)</td>
<td>Last Test&lt;200</td>
<td>200</td>
<td></td>
<td>1</td>
<td>09 Aug 2019</td>
<td>View</td>
</tr>
<tr>
<td>892</td>
<td>SCOTSHILL SAMUEL PRICELESS</td>
<td>Dry Period Rise (0 to 256)</td>
<td>Last Test&lt;200</td>
<td>200</td>
<td></td>
<td>1</td>
<td>03 Aug 2019</td>
<td>View</td>
</tr>
<tr>
<td>810</td>
<td>SCOTSHILL STORMATIC MEG</td>
<td>Dry Period Rise (0 to 256)</td>
<td>Last Test&lt;200</td>
<td>200</td>
<td></td>
<td>2</td>
<td>09 Aug 2019</td>
<td>View</td>
</tr>
<tr>
<td>782</td>
<td>SCOTSHILL TALENT SWEEP 2</td>
<td>Dry Period Recovery (0 to 20)</td>
<td>Last Test&lt;200</td>
<td>200</td>
<td></td>
<td>2</td>
<td>31 Jul 2019</td>
<td>View</td>
</tr>
</tbody>
</table>

This graph displays the trend in the number of cows over time

*Your Herd - SCC Analysis - Dry Period Trend Graph*

3hiii. Mobility Trend Graph

Mobility scores can be entered by the farmer or the milk recorder, data can then be viewed in a variety graphs.

*Your Herd - Changes in Mobility Scores since Last Recording Graph*
Several reports can also be viewed and printed

(* = Priority Animal)

<table>
<thead>
<tr>
<th>Line No.</th>
<th>Ear Tag</th>
<th>Score</th>
<th>Prev Score</th>
<th>Recorded on</th>
<th>Age (months)</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>P301</td>
<td>265454201281</td>
<td>3</td>
<td>2</td>
<td>16 Jul 2010</td>
<td>49</td>
<td>BL</td>
</tr>
<tr>
<td>344</td>
<td>262497201344</td>
<td>3</td>
<td>2</td>
<td>04 Jun 2010</td>
<td>50</td>
<td>BL SWOLLEN</td>
</tr>
<tr>
<td>723</td>
<td>165134660723</td>
<td>2</td>
<td>2</td>
<td>04 Jun 2010</td>
<td>95</td>
<td>ALL 4</td>
</tr>
<tr>
<td>6</td>
<td>261437100219</td>
<td>2</td>
<td>1</td>
<td>04 Jun 2010</td>
<td>104</td>
<td>BL BR</td>
</tr>
</tbody>
</table>

Further details are available in the CIS Mobility Scoring Booklet
4 Action Lists, Graphs and Ranking

Action Lists, Graphs and Ranking

- Rankable Herd List
- Day2Day
- Enhanced® Brinkmanship Graph
- Benchmark Graph
- Benchmark KPI Graph

4a. Rankable Herd List
The first time you visit the page it will show you all animals in your herd ordered by Line Number. If you want to look for specific animals you can use the filter fields at the top of the page. If for example you wish to view only Females then select Females from the drop down list and click filter. Equally if you want to view only animals with 'STAR' in their name, type STAR in the Animal Name box and click filter.

The £ per day is the lifetime financial value divided by the number of days the animal has been alive. The financial value is worked out by taking total kg of yield between tests and multiplying by the pence per litre at each test, divided by 102.97 to convert the value to litres. All test values are added together to give the financial value for the lactation. All lactation financial values are added together to give the total lifetime financial value. Further details for individual cows is also available under view.

4b. Day2Day
In this area action lists can be generated for Cows Due to Oestrous, Due for 1st Service, Ready to PD, Not in Calf, Due to Calve and Ready to Dry Off. Any animal that has had single or multiple Johnes milk test are colour coded by risk group. The example below refers to cows due to PD.
The list can be ordered to preference, events can be added and individual cow history can be viewed. The list is available to be printed for use on the farm.

4c. Brinkmanship Graph

This graph monitors herd performance as a whole or by calving month, compare performance over the last 3 years for yield, butterfat, protein, SCC and urea. The graph below demonstrates average yield for cows that calved in April.

![Brinkmanship Graph](image-url)
4d. **Benchmark Graph**

A benchmark graph demonstrates herd production performance over the previous 12 months, with the facility to select a comparison group.

**Your Herd - Benchmark Graph**

![Benchmark Graph Image]

4e. **Benchmark Key Performance Graph**

Illustrates a snapshot of herd performance and a comparison against contemporaries.

**Your Herd - Benchmark Key Performance Indicators Graph**

![Benchmark Key Performance Graph Image]

The benchmarking graphs are accompanied by herd values and comparisons.
4f. Reports Menu

All usual milk recording reports are available online in PDF format.

Reports Menu

- Preferences Menu
- Cell Count report
- Cell Count Exceptions report
- Production Summary
- Services Profile Report
- Youngstock Report (Beef)
- Herd Management Summary
- Action List
- Sire List
- Herd List New
- Non Recorded Cell Count Report
- Recent Events By Type
- Annual Statement of Terminated Lactations
- Sold Cows List
- Parlour Sheet
- Tuberculin Test Chart

Also within this area are extra reports such as TB test charts.
and the animal movement book with BCMS references

Type Classification Herd List

Parlour Sheets

5 Data Download

Data Download Menu

Electronic files can be downloaded here free of charge to update or populate farm and vet programs such as Orchid, Sum-It, Uniform and Interherd.
Notes