

dairydata

Dairy Herd Management System

by

farmdata
MANAGEMENT SYSTEMS

Dairydata is designed to ease the task of recording events that happen in your dairy enterprise. It will produce the information you need for management and statutory demands.

It will also link to selected external recording systems such as EID readers, weigh-heads and hand held recording devices.





Dairydata is the simple cost-effective method for recording and managing the total milking enterprise.

By using individual cow records as the basis for a model of the herd Dairydata generates information for more effective unit management.

INSTANT DATA ON HERD PERFORMANCE

By scanning and analysing records, as they change from week to week, Dairydata provides you with an instant record of current progress

POSITIVE MANAGEMENT ROLE

Dairydata plays a positive management role by alerting you when action is needed, highlighting cow performance, or changes of status which might require attention.

SIMPLE METHOD OF RECORDING AND MANAGING

Introducing Dairydata is a straightforward procedure. Input requirements are for information on each cow, her lactation history, and your particular herd management style.

These requirements are not strict and should cause no problems to your existing record keeping arrangements. With the system set up, all that is required from you is regular, brief data entry routine, with such details as calvings, services and milk production totals. The rest you leave to the computer.



FLEXIBLE TO SUIT YOUR OWN NEEDS

Dairydata is flexible in both input and output procedures to provide the best report facilities for your own individual needs.

STANDARD REPORTS

Action list – signals when management attention is likely to be required. For example, when cows are due to be dried off.

Herd Listing – All cows milking are listed, with details of individual performance, health and feeding.

Herd statistics – Information on the performance of the whole herd over the current and proceeding periods.

Fertility summary – lists of service intervals, service success rates and calving index

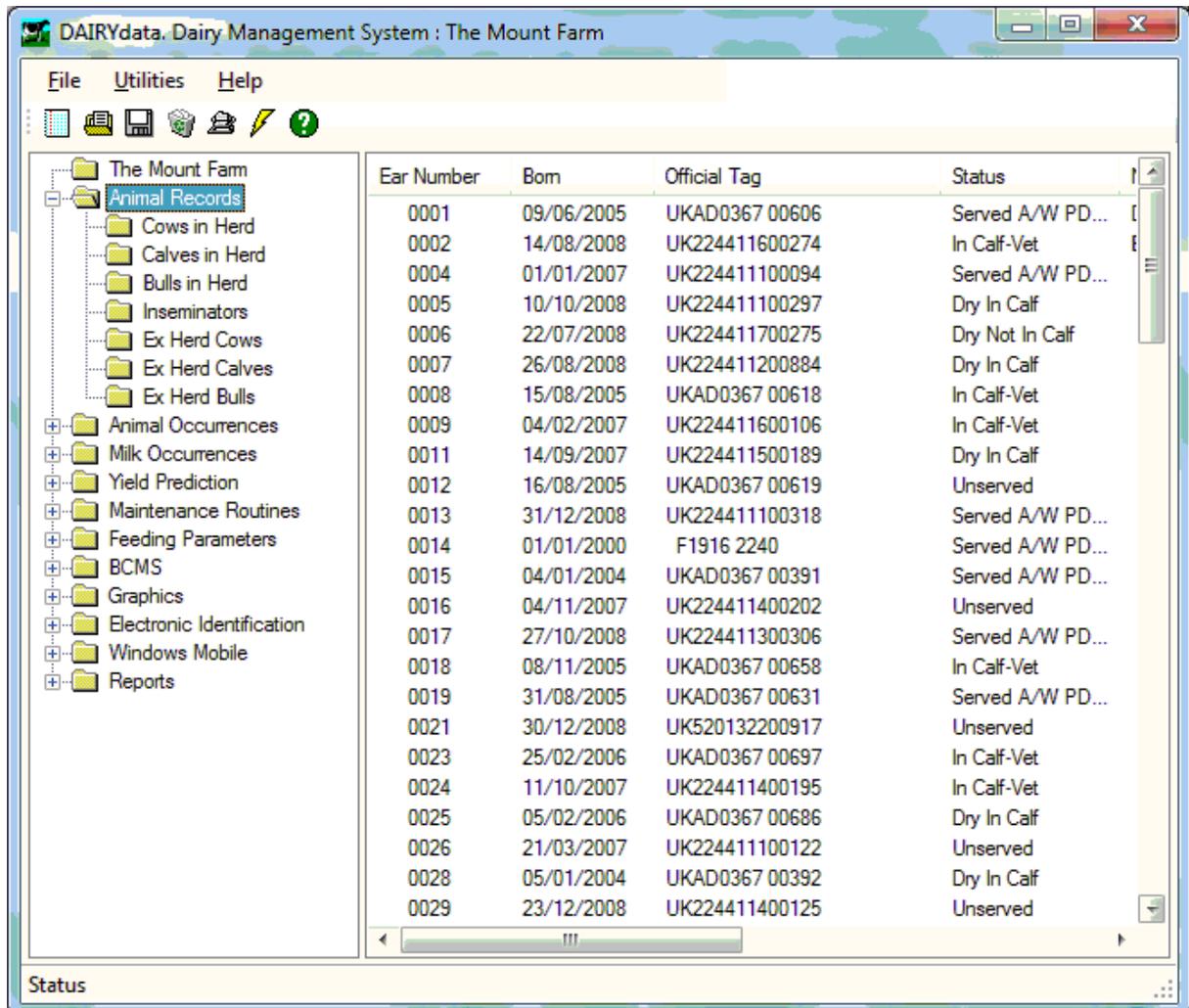
Movement and Health and Pharmacy reports

e-mail registrations and movements

Graphic reporting on Lactations, Fertility Quota and Feeding

The records it keeps

Individual Animals are the basis of all recording and reporting.



The screenshot shows the DAIRYdata Dairy Management System interface for 'The Mount Farm'. The left sidebar displays a tree view of categories, with 'Animal Records' selected. The main area shows a table of animal records with columns for Ear Number, Born, Official Tag, and Status. The table contains 29 rows of data.

Ear Number	Born	Official Tag	Status
0001	09/06/2005	UKAD0367 00606	Served A/W PD...
0002	14/08/2008	UK224411600274	In Calf-Vet
0004	01/01/2007	UK224411100094	Served A/W PD...
0005	10/10/2008	UK224411100297	Dry In Calf
0006	22/07/2008	UK224411700275	Dry Not In Calf
0007	26/08/2008	UK224411200884	Dry In Calf
0008	15/08/2005	UKAD0367 00618	In Calf-Vet
0009	04/02/2007	UK224411600106	In Calf-Vet
0011	14/09/2007	UK224411500189	Dry In Calf
0012	16/08/2005	UKAD0367 00619	Unserved
0013	31/12/2008	UK224411100318	Served A/W PD...
0014	01/01/2000	F1916 2240	Served A/W PD...
0015	04/01/2004	UKAD0367 00391	Served A/W PD...
0016	04/11/2007	UK224411400202	Unserved
0017	27/10/2008	UK224411300306	Served A/W PD...
0018	08/11/2005	UKAD0367 00658	In Calf-Vet
0019	31/08/2005	UKAD0367 00631	Served A/W PD...
0021	30/12/2008	UK520132200917	Unserved
0023	25/02/2006	UKAD0367 00697	In Calf-Vet
0024	11/10/2007	UK224411400195	In Calf-Vet
0025	05/02/2006	UKAD0367 00686	Dry In Calf
0026	21/03/2007	UK224411100122	Unserved
0028	05/01/2004	UKAD0367 00392	Dry In Calf
0029	23/12/2008	UK224411400125	Unserved

On selecting a category you are given the list of all these animals. This can be sorted by the column header.

Any animal can then be selected by clicking on it.

Individual animal records for Cows, Calves and Bulls - both live and dead.

Records maintained are similar for all type of animal. Calves and Bulls have no Recording or Calving section. The Service section in a Bull record is also different.

The image displays three screenshots of the 'Cows in Herd' software interface, showing different tabs for an animal record.

Top Screenshot (Animal Tab): Shows basic animal information for Ear Number 0005, born 10/10/2008, Female, Holstein Friesian breed, Black colour, Official Tag UK224411100297, Status Dry In Calf, and Dried Off 15/12/2007.

Middle Screenshot (Recording Tab): Shows lactation data for Ear Number 0005: Current Recording 23.00, Previous Recording 27.00, Peak Yield 36.00, Total Yield 7565.00, 305 Day Yield 7565.00, Butterfat 4.12, Protein 3.78, Lactose 0.00, and Cell Count 0.00.

Bottom Screenshot (Health Tab): Shows a table of health events for Ear Number 0005.

	Date	Health	Drug	Quantity
▶	15/09/2011	Dry Cow Therapy	Cepravin	5.00
*				

Navigation buttons at the bottom include Save, New, Delete, Find, Print, Next, Previous, Exit, and Help.

Easy to read records may maintained on each animal.

All records can be amended should a mistake be made. Only the official tag is protected.

An individual animal's record is a comprehensive lifetime file of information.

Animals are generally known by a Management of Line Number.

The Animal Tab has basic details of the animal, numbers, date of birth, sex, breed, Official ID, Status, etc.

Tags has Sire and Dam detail.

Premium records date of Registering.

Recording has details of the current Lactation including: Current and Previous recording figure, Peak Yield, Total Yield so far and 305 day yield when reached.

Milk Quality is also shown.

Cows in Herd

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

Ear Number: 0005

	Date	Health	Drug	Quantity
▶	15/09/2011	Dry Cow Therapy	Cepravin	5.00
*				

Health Tab shows a life record of all treatments recorded. Drug, Reason, Quantity, Batch No, Withdrawal Periods and Expiry Date give a comprehensive record.

Cows in Herd

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

Ear Number: 0005

	Date	Type	Bull	Inseminator	PD Date
	05/05/2012	Service	Whittail		01/01/1980
	26/05/2012	Service	246718471		26/07/2012
▶	05/05/2013	Service	Nord		10/07/2013
*					

Movements records on and off movements from the holding and also Management Group Changes.

Services records both Oestrus observations and actual service including details of Bull used and Inseminator.

Cows in Herd

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

Ear Number: 0005

Condition Score: 0.00

Calvings: Show Calves:

	Date	Peak Yield	Total Yield	305 Day Yield	Butterfat	Protein	Lact
	14/04/2011	.00	7943.60	7943.60	3.34	3.37	
	05/03/2012	35.20	7998.80	7998.80	.00	.00	
*	04/03/2013	36.00	7565.00	7565.00	.00	.00	

Save New Delete Find Print Next Previous Exit Help

PD results can be recorded.

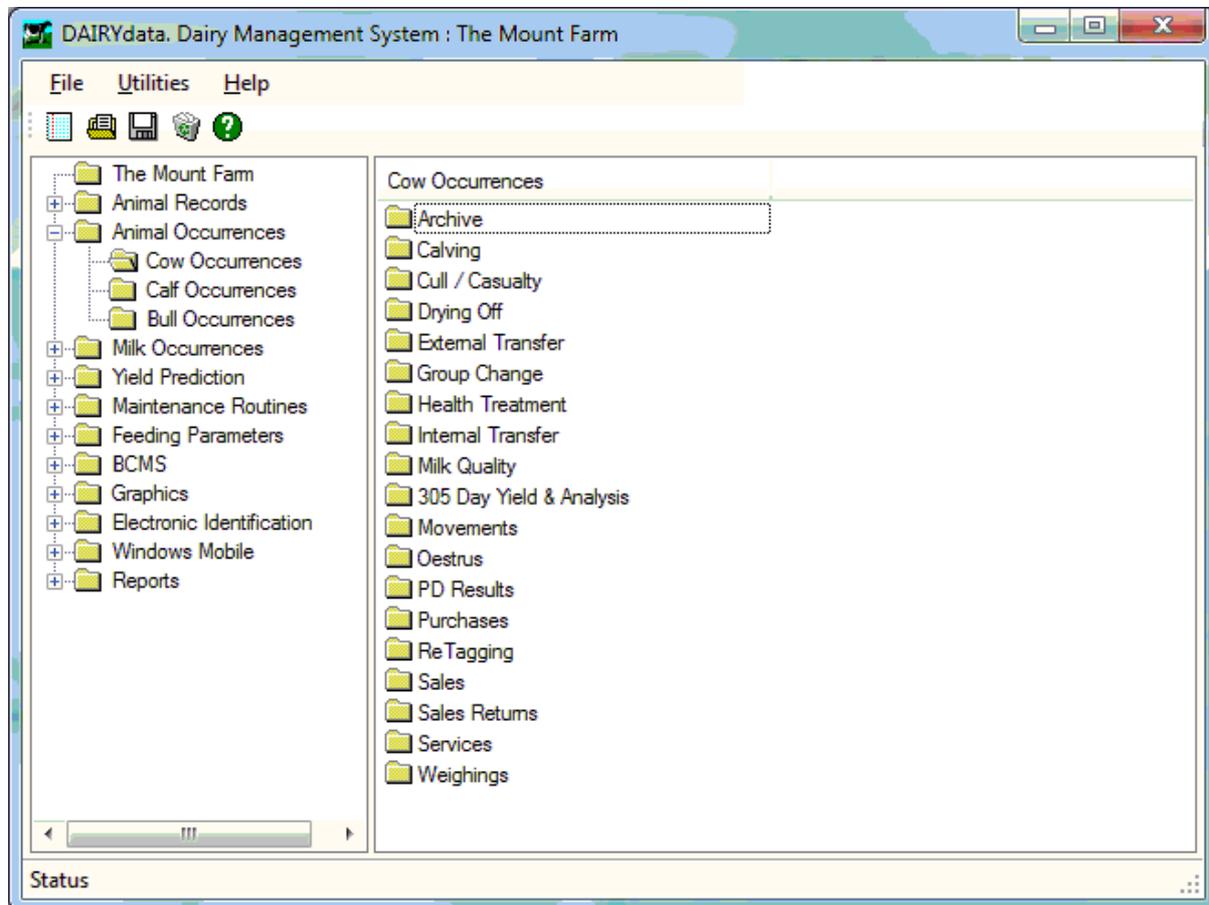
Calvings shows both the actual calving detail of date, calves born and the final lactation details for all completed lactations.

Weighings also maintain a lifetime record of all weighings.

Recording Information

Information recording is split into two sections, Milk Occurrences where milk production and feed usage is recorded and Animal Occurrences where other actions are entered.

Animal Occurrences.

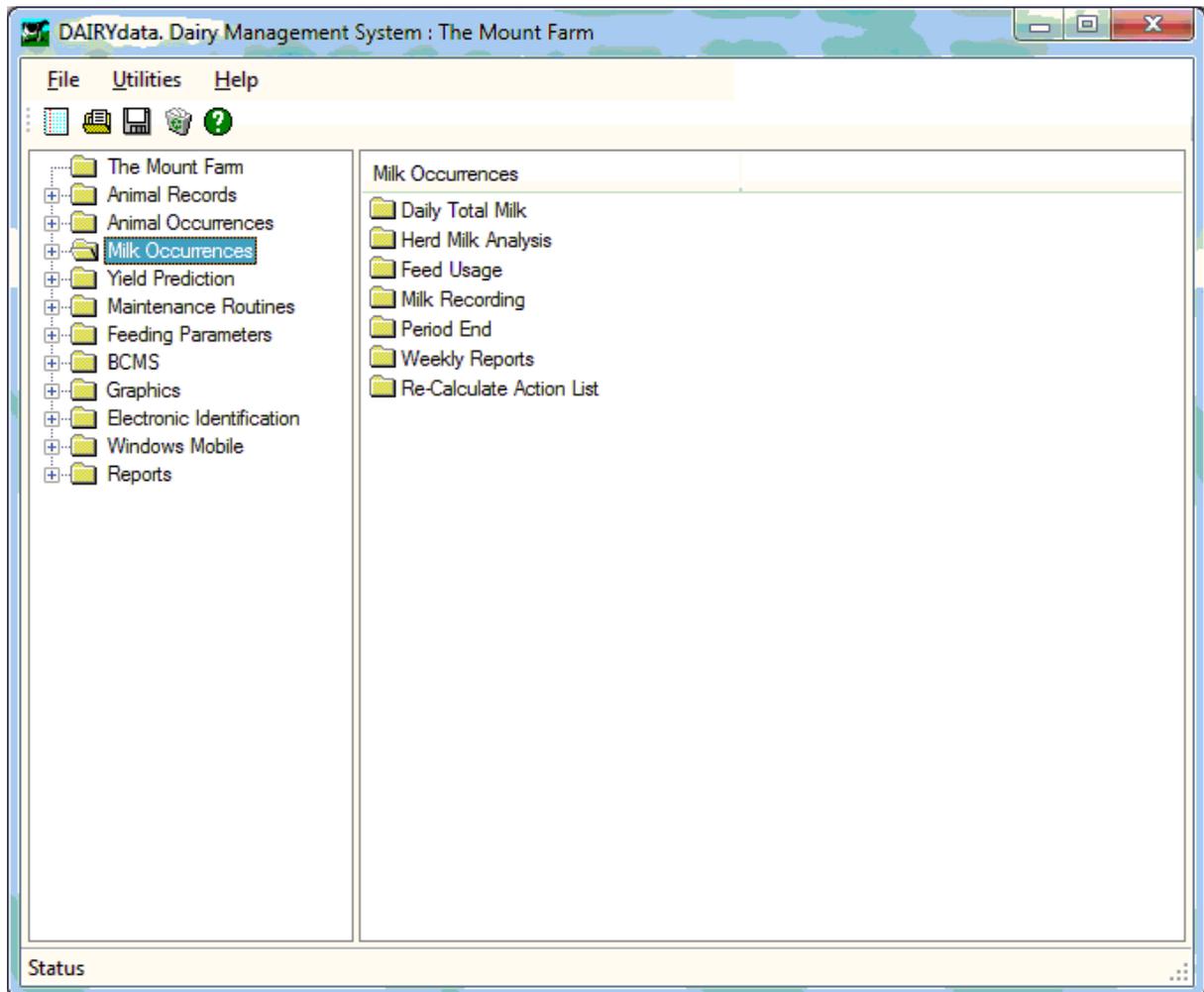


Many Occurrences can be done on a batch basis where all or a group of animals can be selected for the same recording.

Calving is a simple matter of selecting the cow, entering the date. The system will pick the likely sire from the service record. Set the calving score and the number of calves born. The system can allocate the next available number if required. Enter the sex. Birth weights can be entered to start DLWG calculations.

Health Treatment is an example where batch entry can be used. Date, Reason, Drug and either rate per animal or total quantity used entered. All, Group or Location can be selected. Only the animals in the selection will be displayed. Click Select and all will be highlighted. Deselect any not treated and Save.

Milk Occurrences



This sections is where milk production, analysis and feed usage can be entered.

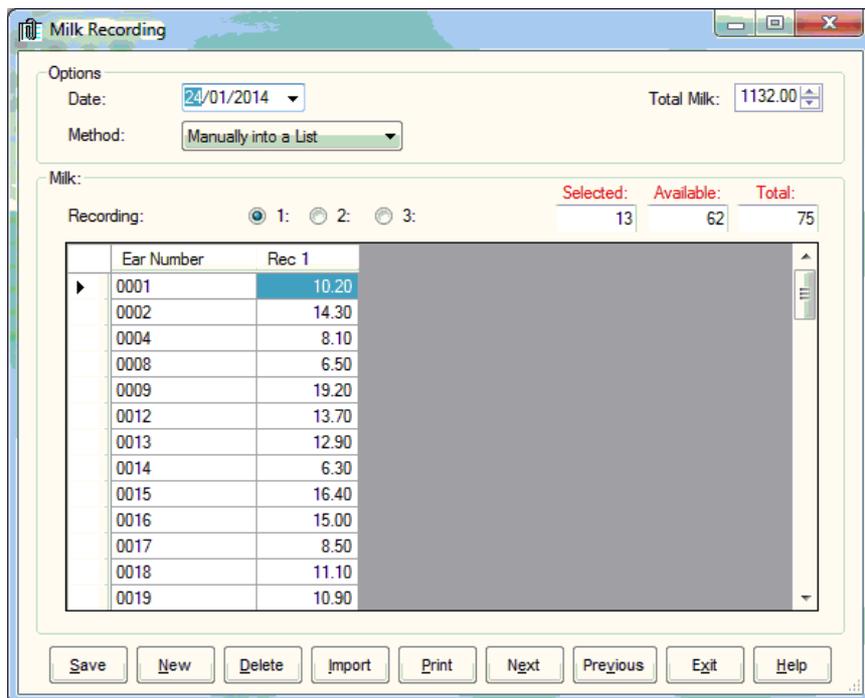
Daily Total Milk (and Concentrates) – The quantity of milk produced each day and concentrates fed each day can be entered.

Herd Milk Analysis – Allows the entry of Butterfat, Protein, Cell Count and Bacterial count at each recording.

Feed Usage - Lets you enter the amount of different feeds used in the recording period. Milk price can also be entered here for the recording period.

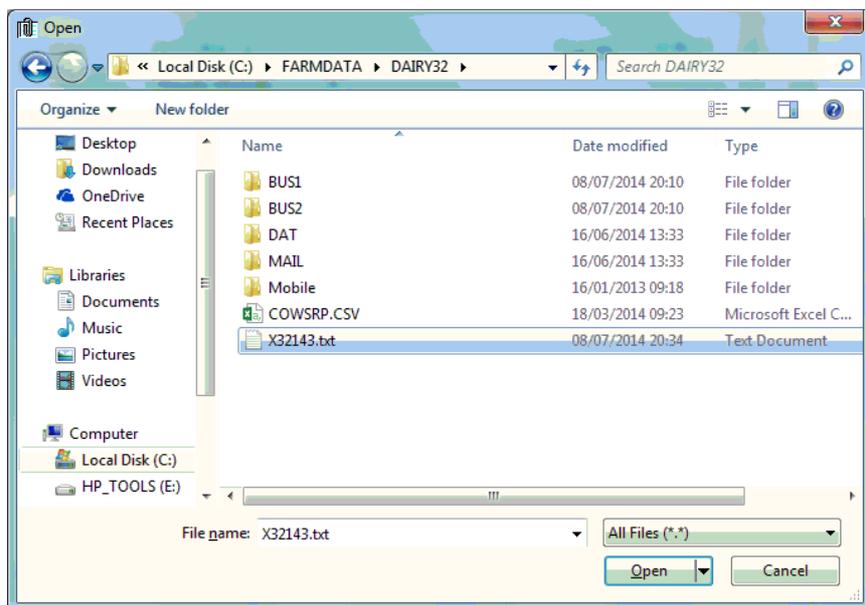
Milk Recording

Milk Recordings can be entered in several ways. Two options for manual entry and several options to import values.



This is an example of manual entry into a list of cows. This can be set for one, two or three entries to be put in to make up a single day's production for each animal.

Total Milk production can be entered for the herd. Recording accuracy can then be calculated by comparing it with the total of each animal entry.



The Import option allows you to browse to a file of milk recording data.

Several file options can be catered for from NMR and CIS.

The import can include milk quality and cell count information.

Period end, usually done after a milk recording is entered, updates all the records and statistics.

Weekly Reports give details of herd milk production, fertility and action lists. Examples follow.

The Mount Farm
Cows in Milk

Date: 08/07/14
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Recording Date: 29/12/13

Ear Number	Site	Lact No	Date Calved	Date Served	Times Served	FCI	eak Yield Cow	Heifer	Total Milk Cows	Heifers	Milk Today Cow	Heifer	Chge LWMK	Week <Par	T.W	MOPF L.W	4 Wk L.W	Kg/Litre T.W	Conos L.W	Feed	Man GRD
0063	119107155	5	03/05/13	13/07/13	1	354	32.0		6296		22.0		-1.4	1	3.74	104.72			4.00		1
0043	Saber	5	03/05/13	13/07/13	1	354	34.0		6774		28.0		-0.5		4.76	133.28			4.00		1
0420		2	11/05/13	15/07/13	1	348	32.0		6370		26.0		-0.9	1	4.26	119.00			4.00		1
0065	Dalmatian	7	11/05/13	15/07/13	1	348	35.0		6612		31.0		-0.9	1	5.27	147.56			4.00		1
0077	Dalmatian	8	11/05/13	15/07/13	1	348	32.0		5683		24.0		-0.9	1	4.08	114.24			4.00		1
0307		2	30/05/13	01/08/13	1	346	32.0		5484		28.0		-0.5		4.76	133.28			4.00		1
Cows : 7 Heifers : 0 Averages : 32.7 6229 26.0 -0.9																					
0002	Saber	3	02/06/13	01/08/13	1	343	28.0		4804		24.0		-0.5		4.08	114.24			4.00		1
0013	Hugo	3	07/06/13	10/08/13	1	347	32.0		5251		28.0		-0.5		4.76	133.28			4.00		1
0008	Saber	6	07/06/13	10/08/13	1	347	32.0		5416		26.0		-0.5		4.42	123.76			4.00		1
0014		12	08/06/13	12/08/13	1	31.0	31.0		5506		30.0		0.0		5.10	142.80			4.00		1
0017	Hugo	3	08/06/13	11/08/13	1	31.0	31.0		4863		28.0		-0.7	1	4.76	133.28			4.00		1
0181	Omar	4	08/06/13	10/08/13	1	31.0	31.0		5148		28.0		-0.5		4.76	133.28			4.00		1
0153	Dalmatian	7	08/06/13	10/08/13	1	32.0	30.0		4927		28.0		-0.2		4.76	133.28			4.00		1
0019	Saber	6	08/06/13	11/08/13	1	32.0	32.0		5688		28.0		-0.5		4.76	133.28			4.00		1
0045		6	08/06/13	11/08/13	1	32.0	32.0		5242		28.0		-0.5		4.76	133.28			4.00		1
Cows : 9 Heifers : 0 Averages : 31.0 5205 27.6 -0.4																					
0004	Omar	4	09/07/13	12/08/13	1	30.0	30.0		4243		28.0		-0.5		4.76	133.28			4.00		1
0001	Saber	6	09/07/13	12/08/13	1	347	32.0		4331		30.0		0.5		5.10	142.80			4.00		1
0024	Omar	4	10/07/13	12/09/13	1	347	32.0		4763		30.0		-0.5		5.10	142.80			4.00		1
0023	119107155	5	10/07/13	12/09/13	1	347	32.0		4784		30.0		-0.5		5.10	142.80			4.00		1
0100	Omar	5	11/07/13	12/09/13	1	346	30.0		3786		28.0		-0.5		4.76	133.28			4.00		1
0051	Omar	4	11/07/13	13/09/13	1	347	32.0		4644		30.0		-0.5		5.10	142.80			4.00		1
0086	Saber	6	11/07/13	13/09/13	1	347	32.0		4749		31.0		-0.2		5.27	147.56			4.00		1
Cows : 7 Heifers : 0 Averages : 31.1 4470 29.6 -0.3																					
0026	Omar	4	07/08/13		0	32.0	32.0		3396		32.0		0.9		5.44	152.32			4.00		1
0057	Omar	4	07/08/13		0	34.0	34.0		3733		32.0		-0.5		5.44	152.32			4.00		1
0071	Dalmatian	6	07/08/13		0	31.0	31.0		3596		31.0		0.2		5.27	147.56			4.00		1
0106	119107155	5	08/08/13		0	31.0	31.0		3477		31.0		0.2		5.27	147.56			4.00		1
0073	Omar	10	08/08/13		0	31.0	31.0		3690		30.0		-0.2		5.10	142.80			4.00		1
0118	Omar	4	08/08/13		0	31.0	31.0		3325		31.0		0.7		5.27	147.56			4.00		1
Cows : 6 Heifers : 0 Averages : 31.7 3536 31.2 0.2																					
0116	Omar	4	10/09/13		0	32.0	32.0		3008		32.0		0.5		5.44	152.32			4.00		1
0068	Perot	7	10/09/13		0	32.0	32.0		2605		32.0		1.2		5.44	152.32			4.00		1
0034	Saber	6	10/09/13		0	30.0	30.0		2856		30.0		0.5		5.10	142.80			4.00		1
0038	Demand	2	27/09/13		0	31.0	31.0		2356		31.0		0.9		5.27	147.56			4.00		1

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The Mount Farm
Herd Statistics

Recording Date: 29/12/13

Date	Total Milk	Cows in Milk	Heifers in Milk	Dry Cows	Cull Cows	Herd Total	% Dry	Average Recording Accuracy		Average Milk Yields		Average Peaks	
								Lact No	Accuracy	Cows	Heifers Overall	Cows	Heifers Overall
29/05/13	2498	86	3	18	0	107	16.8%	3.9	100.2%	28.7	10.0	31.4	38.5
29/06/13	2554	90	3	14	0	107	13.1%	4.0	100.0%	28.1	8.0	31.8	38.5
29/07/13	2568	93	3	11	0	107	10.3%	4.1	100.0%	27.5	5.0	31.3	38.5
29/08/13	2365	87	0	20	0	107	18.7%	4.1	101.2%	27.2	0.0	31.4	0.0
29/09/13	2463	94	0	13	0	107	12.1%	4.2	100.0%	26.2	0.0	31.5	0.0
29/10/13	2533	104	0	3	0	107	2.8%	4.3	100.0%	24.4	0.0	30.7	0.0
29/11/13	2039	82	0	24	0	106	22.6%	4.3	101.2%	24.9	0.0	31.4	0.0
29/12/13	1684	68	0	38	0	106	35.8%	4.3	100.0%	24.8	0.0	32.3	0.0

The Mount Farm
Calving Intervals, 305 Averages

Date: 08/07/14
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Recording Date: 29/12/13

Date	Calving Intervals				Submission		Calf	--- 305 Day Lactation Averages ---					
	Future	SD	Past	SD	Rate	Average	Service	Cows	Yield	Heifers	Yield	Overall	Yield
29/05/13	376	80	410	91	31.2%	0.0	100.0%	78	7687	29	7487	107	7633
29/06/13	383	92	400	85	23.3%	120.8	88.9%	79	7535	28	7400	107	7500
29/07/13	390	104	393	82	28.9%	72.6	52.1%	79	7435	28	7400	107	7426
29/08/13	435	106	390	81	21.5%	31.5	40.8%	82	7314	25	7158	107	7277
29/09/13	418	85	397	90	21.5%	0.0	34.8%	83	7388	24	7065	107	7315
29/10/13	463	88	391	87	62.9%	0.0	23.7%	85	7263	22	7201	107	7250
29/11/13	381	71	389	83	68.6%	0.0	50.5%	98	7176	8	7298	106	7185
29/12/13	386	69	389	83	67.3%	0.0	61.2%	100	7086	6	7447	106	7106

The Mount Farm
305 Averages by Calving Month

Date: 08/07/14
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Recording Date: 29/12/13

Month	Lact 1		Lact 2		Lact 3		Lact 4		Lact 5		Lact 6		Total		FCI	
	No		No		No		No		No		No	Milk	No	Served		
Jan	0	0	7452	2	6441	2	0	0	8456	2	6021	5	6800	11	2	458
Feb	0	0	7372	14	7127	5	7411	2	7085	2	7142	6	7265	29	1	345
Mar	0	0	7787	1	7565	1	8073	3	0	0	7596	2	7823	7	2	392
Apr	0	0	6395	1	0	0	0	0	6810	1	0	0	6603	2	1	312
May	5615	1	0	0	0	0	7753	2	0	0	7284	1	7101	4	1	350
Jun	7218	2	6042	3	5032	1	6835	1	5764	2	6728	4	6375	13	1	345
Jul	0	0	0	0	4587	3	6986	3	6270	2	0	0	5907	8	1	347
Aug	0	0	0	0	7602	3	6778	1	7445	1	6778	1	7301	6	0	0
Sep	0	0	0	0	6331	5	6864	1	7092	1	7490	1	6638	8	2	596
Oct	0	0	0	0	7436	2	0	0	7304	2	7328	1	7362	5	0	0
Nov	0	0	7686	3	8910	2	0	0	0	0	0	0	8176	5	4	536
Dec	8211	3	7219	1	8736	2	0	0	0	0	8680	2	8336	8	3	482
	7447	6	7228	25	6904	26	7383	13	7008	13	7013	23	7106	106	2	386

The Mount Farm
Fertility Report

Date: 08/07/14
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Recording Date: 29/12/13

First Service	Average to		No of Cows First Served in Intervals (days)					106+
	1st Service		1 - 45	45 - 60	61 - 75	76 - 90	91 - 105	
Overall	65		5	25	30	8	6	0

Served in past 28 days: 0 0 0 0 0 0 0 0

Number of Cows not yet served after 60 days since calving: 22

Inter Service	Number of Cows with Service Intervals (days)				
	1 - 17	18 - 24	25 - 35	36 - 48	49+
Overall	0	19	4	5	16

Served in past 28 days: 0 0 0 0 0

Service Successes	Number of Services and Percentage of Cows Holding											
	1st	Held	2nd	Held	3rd	Held	4th	Held	5th	Held	6th	Held
Up to 28 days ago	74	57%	22	14%	19	79%	4	100%	0	0%	0	0%
Inc possible successes		72%		14%		79%		100%		0%		0%
Up to 28 days ago	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Inc possible successes		0%		0%		0%		0%		0%		0%

Average Services per Cow holding: 1.70
 Average Interval to conception: 108 days
 Number of Cows in calf: 64

The Mount Farm
Dairy Costings Summary

Date: 08/07/14
Page 1 of 1

<u>Cow Summary</u>	<u>Monthly Totals</u>		<u>Year Ending</u>	
	<u>Dec 2013</u>	<u>Dec 2012</u>	<u>Dec 2013</u>	<u>Dec 2012</u>
1. Cows In Herd	108	113	108	112
2. Cows In Milk	88	77	88	86
3. Percentage Dry	38	32	18	14
4. Cows Calved	0	5	84	17
5. Heifers Calved and Purchased Animals	0	0	0	2
6. Cows Culled	0	0	4	0
<u>Production Summary</u>				
7. Milk Sold (Litres)	52204	63457	342542	372920
8. Milk Retained (Litres)	0	0	0	0
9. Total Milk Production (Litres)	52204	63457	342542	372920
10. Butterfat %	3.80	3.90	3.88	3.83
11. Protein %	3.20	3.10	3.17	3.22
12. Cell Count	0	0	0	0
13. Total Bacterial Count	0	0	0	0
14. Milk Price per Litre	34.250	30.140	31.658	28.130
15. Total Value of Milk Sold	17879.87	19125.94	266734.60	245439.80
<u>Feed Summary</u>				
16. Tonnes Dairy Cake Fed	0.00	0.00	65.40	0.00
17. Cost of Dairy Cake per Tonne	0.00	0.00	153.33	0.00
18. Dairy Cake Fed (Kgs / Litre)	0.00	0.00	0.08	0.00
19. Total Other Concentrates Fed	0.03	0.03	18.48	78.64
20. Cost of Other Concentrates Fed per Tonne	138.55	138.55	138.55	138.55
21. Other Concentrates Fed (Kgs / Litre)	0.00	0.00	0.02	0.09
22. Total Concentrates Fed (Tonnes)	0.03	0.03	83.88	78.64
23. Total Concentrates Cost / Tonne	138.55	138.55	150.08	138.55
24. Total Concentrates Fed (Kgs / Litre)	0.00	0.00	0.10	0.09
25. Total Concentrates Cost	3.66	3.66	12588.29	10896.27
26. Total Purchased Bulk Feeds	0.00	0.00	0.00	0.00
27. Cost of Purchased Bulk Feeds per Tonne	0.00	0.00	0.00	0.00
28. Total Cost of Concs & Purch Feed	4	4	12588	10896
29. % Milk Income spent on Concs & Purch Feed	0.02	0.02	4.72	4.44
30. Margin over Concentrates	17876.21	19122.28	254146.30	234543.50
31. Margin over Concs and Purchased Feed	17876.21	19122.28	254146.30	234543.50
<u>Management Summary</u>				
32. Milk Yield per Cow (Litres)	492	562	7838	7308
33. Daily Yield Per Cow In Milk (Litres)	24.78	28.58	28.33	24.94
34. Milk From Forage (Litres)	24.78	28.58	21.39	24.94
35. Total Concentrates Fed per Cow	0.25	0.23	780.27	703.75
36. Margin over Concentrates per Cow	188.64	189.22	2364.15	2098.82
37. Margin over Concs and Purch Feeds per Cow	188.64	189.22	2364.15	2098.82
38. Margin over Concs and Purch Feeds per Litre	34.24	30.13	30.16	26.88
39. Concs & Purch Feeds Cost per Litre	0.01	0.01	1.49	1.25

The Mount Farm
Action List

Date: 08/07/14
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Recording Date: 28/12/13

Calvings Due

<u>Ear Number</u>	<u>Date Due</u>
0044	31/12/13
0074	11/01/14
0111	11/01/14
0089	13/01/14
0082	14/01/14
0131	14/01/14
0093	15/01/14
0028	16/01/14
0028	16/01/14
0036	18/01/14
0066	18/01/14
0011	21/01/14
0101	21/01/14
0102	21/01/14
0141	21/01/14

Due to be Dried off

<u>Ear Number</u>	<u>Date Due</u>
0015	22/01/14
0064	22/01/14

Possible Returns to Service

<u>Ear Number</u>	<u>Date Due</u>	<u>Bull Used</u>	<u>Incubator</u>
0013	04/01/14	Whittall	
0153	04/01/14	Whittall	
0181	04/01/14	Whittall	
0017	05/01/14	Whittall	
0019	05/01/14	Whittall	
0045	05/01/14	Whittall	
0001	06/01/14	Whittall	
0004	06/01/14	Whittall	
0014	06/01/14	Whittall	
0015	08/01/14	Nord	
0064	08/01/14	Nord	

PD Result Overdue

<u>Ear Number</u>	<u>Date Due</u>	<u>Bull Used</u>
0015	25/07/13	Nord
0064	25/07/13	Nord
0013	21/09/13	Whittall
0153	21/09/13	Whittall
0181	21/09/13	Whittall
0017	22/09/13	Whittall
0019	22/09/13	Whittall
0045	22/09/13	Whittall
0001	23/09/13	Whittall
0004	23/09/13	Whittall
0014	23/09/13	Whittall

List of Dry Cows

<u>Ear Number</u>	<u>Lact No</u>	<u>Days Dry</u>	<u>Calving Index</u>	<u>Calving Date</u>	<u>Bull Used</u>	<u>305 Yield Yield</u>	<u>Total Yield</u>	<u>Days In Milk</u>
0006	3			To Cull		1355	1355	-2096
0122	8			To Cull		92	92	-2164
0044	2	2243	382	31/12/13	Beechlewn	7819	7819	-1861
0074	2	2254	340	11/01/14	Whittall	8168	8168	-1914
0111	2	2253	340	11/01/14	Whittall	7617	7617	-1913
0089	2	2255	342	13/01/14	Whittall	7370	7370	-1913