



**MUNSTER BOVINE** Milk Recording & Lifetime Summary Report

Farm Name: [Name]    Farm No: [Number]  
 Farm Code: [Code]    Farm Date: [Date]

Tel: 022 43226    web: munsterbovine.ie

**Production Summary**

Item	2023	2022
Number of Cows	85	27.2
Average litres in milk	19.5	5.8
Cost/kg	4.2	1.08
Milk Sold	5.26	5.27
Fat %	1.68	4.18
Protein %	4.28	3.24
Cost/litre	1.58	1.58
Fat %	1.68	4.18
Protein %	4.28	3.24
Average SCC	9	6

**Milk Recorded Margin Per Day**

Total 90%: €3.19  
 Average: €3.55  
 Bottom 20%: €1.62

**SCC Current Recording**

3 Cows  
 6 Cows  
 1 Cow

**SCC Previous Recording**

2 Cows  
 1 Cow  
 1 Cow  
 1 Cow  
 1 Cow  
 1 Cow

Persistently Infected (containing more than 200,000)    Recently Infected (containing less than 200,000)    Recently Cured (less than 100,000)    Treating Cows (containing less than 100,000)

Produced in cooperation with ICBF

# NEW Milk Recording Lifetime Summary Report

## What improvements are included in the New Munster Bovine Milk Recording Report?

- > For the very first time this new report will illustrate both **PROFITABILITY** and **PERFORMANCE** of cows within a herd.
- > For the first time the **MILK RECORDED LIFETIME** information for the cow is available **AFTER EACH TEST**.
- > For the first time cows can be ranked within a herd based on milk recorded lifetime.
- > For the first time dry days are included to rank cows.
- > The Margin per day brings all of your milk recording data into one figure.

This is a within herd comparison considering:

- > Production
- > Costs
- > Dry periods
- > Month of calving

## What is involved in the Production Summary?

The production summary relates directly to the most recent milk recording test. It gives an average of the cows in the herd and the % cows 200,000 + SCC. Each trait is compared to the top 20% of herds that have had a milk recording test in the past fortnight.

### Production Summary

	Your Herd Av per cow	Top 20% MR Herds
Number of Cows	95	
Average days in milk	136	
Milk Kg	19.5	27.2
Milk Gal	4.2	5.8
Fat Kg	0.9	1.06
Protein Kg	0.76	0.96
Total Solids	1.66	2.01
Fat %	4.59	4.18
Protein %	3.88	3.64
Average SCC	86	96
% cows 200,000+ SCC	9	6

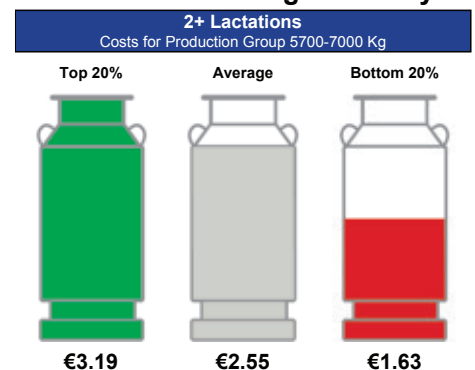
## When is the Milk Recorded Margin Per Day calculated from?

The Milk Recorded Margin is calculated from the calving date of the first valid lactation.

## How is the Milk Recorded Margin Per Day calculated and illustrated?

- Cows in their 2nd and subsequent lactation are ranked based on their milk recorded lifetime margin per day into top 20%, average and bottom 20%.
- All previous valid lactations where cows are milk recorded are used for these calculations in addition to the current lactation.
- The churn level for the average and bottom 20% are filled relative to the top 20% in the herd.

### Milk Recorded Margin Per Day



The margin per day is the milk recorded value from valid lactation's less costs, divided by number of milk recorded days.(30.5c/l using A+B.C; €6.183 + €3.637 - €0.04). The churn level for the average and bottom 20% are filled relative to the top 20% in the herd.

- Lifetime margin per day = Value of milk recorded lifetime production less Costs of production divided by the Total days (Milk recorded days).
- Milk recorded lifetime production: is the sum of all the previous valid lactations (minimum of 3 tests in a lactation and a dry off date) and current lactation year to date. Value is based on the A+B-C system at 30.5c/l; Protein (€6.18) + Fat (€3.64)- Milk volume (€0.04).
- Cost of production: is the sum of all the costs for each day of previous valid lactations, dry periods and current lactation year to date. The cost per day is based on the cow's month of calving for each lactation and the herd production group. The herd's production group is based on herd actual up to 305 day with four production groups; less than 5700Kg, between 5700Kg and 7000Kg, between 7000Kg and 9000Kg, greater than 9000Kg. There is a cost associated with every dry day.
- Total days: is the sum of all the previous valid milk recording lactation days, dry period days and current lactation days in milk.
- Cows are ranked into top 20%, average and bottom 20%, based on their margin per day. The 1st and 2nd lactation cows are ranked within their own lactation group.

#### **Important to Note**

- This is a within herd comparison – not across herds.
- Only valid milk recorded lactations and their associated dry periods are considered in this report.

## **For the margin calculation, what is included in the cost figure?**

- One of the most exciting elements of this report is that the cost figures are a much more accurate reflection of actual costs.
- Costs provided by Teagasc now considers cow's month of calving in each lactation and the herd's production group.
- February calving cows have the lowest cost of production whilst August calving cows have the greatest cost of production. As production group increases from 5700 to 9000 kilos, the cost of production increases due to increased feed costs.



## What factors affect the within herd rank?

- Cow's production level, cows with low/high percentages or low/high milk volume.
- Genetics - low production sub index.
- Herd Maturity – 1st lactation cows have 22% less milk than mature cows and 2nd lactation cows have 7% less milk than mature cows.
- Long dry periods – cows that dry themselves off prior to 280 days in milk due to poor production ability and cows that were dried off more than 60-90 days from their next calving have lower production due to less days in milk and increased dry days.
- Short lactations – cows calving late in a spring calving herd with a fixed parlour close date resulting in cows being dried off with lactations less than 280 days.
- Extended lactations – cows that milk on over 305 days but do not have the level of production over the extended lactation to match the costs they incur.
- Short dry periods affecting the production in the subsequent lactation, especially between the first and second lactation.

## What is the importance of submitting actual dry off dates?

To ensure accurate ranking of your cows, it is of paramount importance that you submit their actual individual dry off dates.

Dry off dates have a significant effect on the milk recorded margin per day as costs are attributed differently in the milking and dry periods of the lactation.

If you submit a blanket dry off date for all your cows, cows that were dried off before this date will be credited with milk for days that they were not productive and therefore may rank higher than they should.

If you do not supply dry off dates, the next time the cow calves she will be automatically given a dry off date one month after her last milk recording. This leads to cows being given an inaccurate dry off date dependant on your last milk recorded date. This results in cows not being credited with their actual level of production and may lead to cows being ranked lower.

# What new information is available in the Lifetime Performance Report?

EBI is separated out into Production and Fertility SI to allow herd owners to understand how genetics is influencing the rankings and profitability of each individual cow.

Cows highlighted in red within Year to date (YTD) section are in the bottom 20% based on YTD margin per day. YTD margin per day is calculated as current YTD milk value less costs divided by days in milk in current lactation.

## 3rd+ Lactation Cow Performance

Jumbo	Name	Sire	Calving Date	Lact	Days In Milk	Prod SI (€)	Fert SI (€)	Test Day						Year to Date (YTD)				Milk Recorded Lifetime				
								Current Test Milk (Kg)	Current Test Fat (%)	Current Test Protein (%)	Current Test Fat + Protein (Kg)	Current Test Lactose (%)	Current Test SCC '000	SCC Lact Status	YTD Milk (Kg)	YTD Fat + Protein (Kg)	YTD Milk Value (€)	Lifetime Fat + Protein (Kg)	Avg Days Dry Per Lact	Total Days	Margin Per Day (€)	Herd Rank
11	PBM Anne	WLY	15/02/2020	6	151	62	78	22.8	4.15	3.72	1.79	4.74	72	Green	4406	338	1533	2918	71	1978	3.05	10
117	LWR Sarah	HMY	14/02/2020	6	152	85	64	19.6	4.42	4.18	1.69	4.84	37	Green	4646	388	1711	3142	68	1986	3.51	3
663	PBM May	DVJ	13/03/2020	10	124	39	79	14.4	4.62	3.43	1.16	4.76	44	Green	2771	204	917	4166	90	3419	1.80	49
676	AFD Julie	BGW	17/02/2020	10	149	64	91	16.6	4.54	3.96	1.41	4.81	34	Blue	3035	251	1155	4754	88	3447	2.69	2
691	FYK Eileen	RUU	01/04/2020	10	105	-28	77	21.5	3.70	3.24	1.49	4.68	223	Red	3093	179	820	3750	79	3419	1.35	54
795	HXB Helen	BYJ	03/03/2020	8	134	29	25	27.0	4.51	3.35	2.12	5.04	55	Green	3879	317	1411	3855	76	2715	2.72	22
797	LWR Sally	MJS	09/02/2020	7	157	63	50	17.4	5.72	4.32	1.75	4.84	85	Green	3257	293	1333	2864	124	2252	2.30	43
805	LWR Lorna	MJS	15/02/2020	8	151	28	27	16.2	4.10	4.05	1.32	4.92	35	Green	3914	295	1354	3541	79	2726	2.22	45
817	RKA Kathy	TIO	12/02/2020	8	154	41	-5	17.4	5.47	3.93	1.64	4.96	36	Blue	4226	316	1449	3688	80	2717	2.53	34
871	HZB Denise	HWY	13/02/2020	7	153	54	17	19.8	2.74	3.74	1.28	4.77	51	Green	4381	322	1478	3314	92	2341	2.83	19
916	LWR Louise	WGB	02/04/2020	7	104	73	56	19.8	5.05	3.96	1.78	4.80	29	Green	2500	215	985	3340	84	2350	2.84	18
920	PBM Catriona	HWY	16/02/2020	7	150	50	14	19.6	4.21	4.18	1.64	4.80	60	Green	3931	297	1360	3359	73	2341	2.91	15
939	PBM Theresa	CWP	01/03/2020	6	136	16	35	20.4	3.95	3.75	1.57	4.72	416	Red	3406	253	1159	2864	76	1983	2.15	46
960	LWR Jenny	OKM	14/03/2020	6	123	26	77	21.8	3.31	4.03	1.60	4.75	48	Green	3343	256	1171	2548	79	1717	2.31	42
972	PBM Eimear	MJS	25/02/2020	6	141	63	27	24.6	6.25	4.42	2.62	4.84	48	Green	4055	343	1575	2976	74	1989	3.25	5
1015	PBM Audrey	PKA	19/02/2020	5	147	71	13	21.0	4.52	3.66	1.72	4.13	32	Green	3617	306	1399	2278	86	1597	2.84	17
1018	LWR Betty	HJT	18/02/2020	5	148	72	71	17.8	4.80	4.45	1.65	4.72	75	Green	3356	312	1432	2375	69	1626	3.01	12
1020	PBM Gerti	LRW	19/04/2020	5	87	77	10	31.2	3.51	3.27	2.12	4.84	29	Green	3299	238	1074	2303	87	1604	2.90	16

The cow performance report is sorted by cow jumbo for farmer's convenience.

Average Days Dry: is the total no of days dry divided by the number of valid lactations

The cow's SCC year to date colour indicates their categorisation and the SCC section where their performance can be found.



## What is included in the SCC section of this new report?

Customers who are currently in receipt of the coloured milk recording reports will notice that this section is similar to the way SCC was displayed in previous reports.

Cows are divided into four categories based on current and previous SCC tests; persistently infected, recently infected, recently cured and healthy cows.

For the first test after calving the last test from the previous lactation is used for categorisation.



**Healthy Cows**  
Consistently less than 200,000

### Healthy Cows

These are cows that have no test in the current lactation exceeding 200,000 SCC. For their first test after calving, the last test of the previous lactation was also below 200,000 SCC.



**Recently Cured**  
Cows To Monitor

### Recently Cured Cows

These cows have been cured in the current lactation or if this is their first test after calving, they have been cured over the dry period. Currently these cows are less than 200,000 SCC, however they have had a test greater than 200,000 SCC.



**Recently Infected**  
Current test 200,000+

### Recently Infected Cows

These cows exceeded 200,000 SCC at the current test and were less than that at the previous test, or if this is their first test after calving they have been infected over the dry period or since calving.

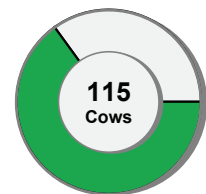
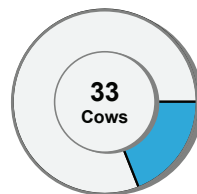
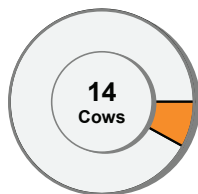
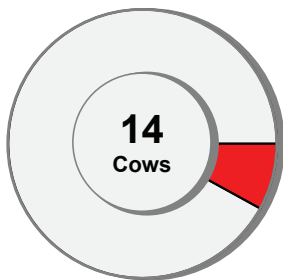


**Persistently Infected**  
2 consecutive tests 200,000+

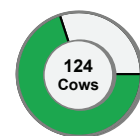
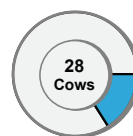
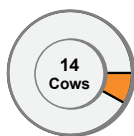
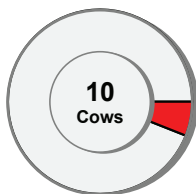
### Persistently Infected Cows

These cows have two consecutive tests over 200,000 SCC in the current lactation or if this is their first test after calving they did not cure over the dry period.

## SCC Current Recording



## SCC Previous Recording



**Persistently Infected**  
2 consecutive tests 200,000+

**Recently Infected**  
Current test 200,000+

**Recently Cured**  
Cows To Monitor

**Healthy Cows**  
Consistently less than 200,000

## What value or benefits can I enjoy from this new format Milk Recording Report



This new milk recording lifetime summary report will ensure herd owners can make quick, effortless, and profitable decisions for their farm.

➤ **Cows are ranked for you allowing ease of management in decision making to select the Dams of your replacement heifers and to identify the non performers in your herd.**

✓ **Green cows (top 20%)**

- These are your highest ranking cows and should be retained in the herd where possible especially if they are also green in the SCC column.
- Breed your replacements from these higher ranked cows especially those that have a high balanced EBI.

✓ **Average cows (middle 60%)**

- The aim of the report is to aid in moving your average cows closer to the top 20% of cows.
- Depending on the number of replacement, select the highest ranked cows to get the total number of replacements.

✓ **Red cows (bottom 20%)**

- We need to look at these cows closely and see what is the reason for the inferior performance. Is it genetics? Is it days in milk? Is it disease? Too short/long dry periods?
- These cows are taking up a livestock unit in the grazing block, a cubicle and barrier space in the shed.
- Avoid breeding replacements from this group. Breed these cows to beef sires. Select from within this group for culling.

➤ **Allows you to identify the reasons for the difference in performance, profitability and ranking.**

- Cows production level
- Genetics - production sub index
- Herd Maturity
- Long dry periods
- Short lactations
- Extended lactations
- Short dry periods affecting subsequent lactations.

➤ **Allows you to control your SCC and manage it.**

- Grouped for ease of management
- Easy to find correct SCC page

➤ **This report for the first time addresses the lifetime profitability of each cow as well as her performance.**

- This report gives a more accurate profitability picture due to the new cost calculation.

➤ **Current Year to date**

- Identify under performing cows in the current lactation
  - Mastitis / Energy / Lameness / Disease?

➤ **Convenient features of the report.**

- This is fundamentally real time reporting on the status of your herd.
- Herd owners no longer have to wait for end of year reports.
- Name or breed fraction and sire are now included.
- The presentation of results allows herd owners to easily find and analyse a particular cow.

## Is this report replacing the Black and White report and Coloured reports?

Yes, from August 2020, Munster Bovine will start to send this new Milk Recording Lifetime Summary report to all Milk Recording customers. If you were previously in receipt of the black and white report or the coloured report, you will now receive this new Milk Recording Lifetime Summary Report.

## Where can I get additional information on these new Milk Recording Lifetime Summary reports?

For additional information please contact the Munster Bovine Herd Management team or visit our website.

