



**DAIRYGOLD/TEAGASC  
JOINT PROGRAMME & SIGNPOST PROGRAM  
2021-2025**

**Farm Walk**

**On the Farm of**

**Joe Morrissey, Knockanemourney, Rostellan, Midleton, Co  
Cork**

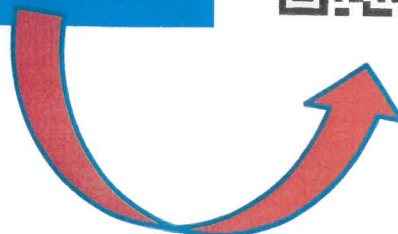
**Thursday 29<sup>th</sup> September 2022**

**(By kind permission)**

**Today's Agenda**

1. Current Farm Performance & 2021 profit monitor figures
2. Managing Autumn Grass and Closing Cover Targets
3. Options if you are short winter fodder
4. Herd Health: Body condition score & Dry Cow Minerals,  
Winter dosing and vaccinations, Dry-off technique and selective  
dry cow therapy

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## FARM DETAILS

| LAND                        |      | CURRENT STOCK DETAILS |     |
|-----------------------------|------|-----------------------|-----|
| Land owned (ha)             | 30.2 | Dairy cow             | 119 |
| Land leased (ha)            | 35.8 | 0-1 Replacements      | 31  |
| Milking Platform (ha)       | 30.2 | 1-2 Replacements      | 39  |
| SR on milking platform (ha) | 3.9  | Stock bull            |     |
| SR on whole farm (LU/ha)    | 2.58 |                       |     |

## HERD PERFORMANCE

| Milk Production         | 29/09/2022      | 2021       |
|-------------------------|-----------------|------------|
| Milk yield (litres/cow) | 17.8            | 5,503 sold |
| Milk protein %          | 4.10            | 3.71       |
| Milk fat %              | 4.96            | 4.41       |
| Milk solids (kg/cow)    | 1.66            | 460        |
| SCC (,000 cells/ml)     | 149             | 133        |
| Grass (kg DM/cow)       | 13              |            |
| Meal (kg DM/cow)        | 6kg 15% protein | 1,100kg    |
| Silage (kg DM/cow)      | 0               |            |

## Calving and Fertility Performance

|                           | Year | Cows     | Heifers |
|---------------------------|------|----------|---------|
| Calving Start Date        | 2022 | 19 Jan   | 19 Jan  |
| Calving spread            | 2022 | 13wk +4d | 9wk +0d |
| Calving Interval (Days)   | 2022 | 369      |         |
| Spring 6 wk. calving rate | 2022 | 80%      |         |
| Empty rate %              | 2022 | 9 %      | 8 %     |
| Replacement rate          | 2022 | 20 %     |         |
| Breeding season           | 2022 | 13.5wks  | 9wks    |

**Report Date:** 27/09/2022 (Jul 2022 Evaluation)

**Herd Owner:** JOSEPH MORRISSEY

Herd No: 5

**Snapshot of your herd  
based on the 27-SEP-22**

## 1. EBI Herd Summary

**Average EBI for all dairy cows with; (i) a known sire (or milk recorded progeny with a known sire) and (ii) are currently on your farm.**

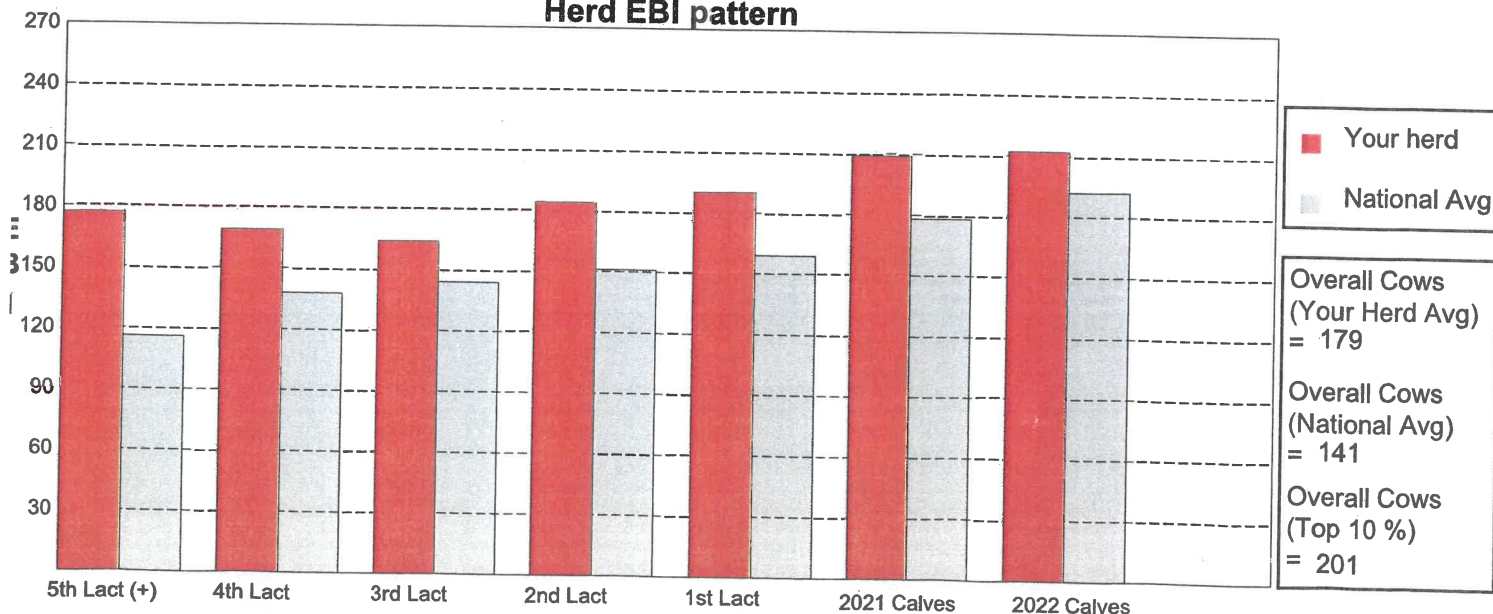
\* Number of animals that are missing an EBI result

| Animal Group      | Num of Cows | Milk Kg<br>Fat %<br>Prot % | Surv%<br>CI Days | Milk % Cont | Fertility % Cont | Calv % Cont | Beef % Cont | Maint % Cont | Mgmt % Cont | Health % Cont | EBI € |
|-------------------|-------------|----------------------------|------------------|-------------|------------------|-------------|-------------|--------------|-------------|---------------|-------|
| Cows with EBI     | 117         | 47                         |                  | € 64        | € 73             | € 37        | € -12       | € 12         | € 3         | € 3           | € 179 |
| Missing EBI*      | 0           | 10.1 0.14                  | 1.9              | 31.4%       | 35.6%            | 18.3%       | -6.1%       | 5.8%         | 1.4%        | 1.4%          |       |
| Total Cows        | 117         | 8.0 0.11                   | -3.9             |             |                  |             |             |              |             |               |       |
| 1st Lactation     | 26          | 89                         |                  | € 78        | € 72             | € 40        | € -13       | € 11         | € 3         | € 1           | € 190 |
|                   |             | 11.3 0.13                  | 1.9              | 36%         | 33.1%            | 18.3%       | -6.1%       | 5%           | 1.2%        | 0.3%          |       |
|                   |             | 10.6 0.12                  | -3.8             |             |                  |             |             |              |             |               |       |
| 2nd Lactation     | 32          | 66                         |                  | € 66        | € 74             | € 39        | € -12       | € 11         | € 1         | € 4           | € 184 |
|                   |             | 10.6 0.13                  | 2.1              | 31.9%       | 35.7%            | 18.9%       | -5.6%       | 5.4%         | 0.7%        | 1.8%          |       |
|                   |             | 8.5 0.1                    | -3.9             |             |                  |             |             |              |             |               |       |
| 3rd Lactation     | 17          | 12                         |                  | € 56        | € 69             | € 35        | € -12       | € 11         | € 3         | € 2           | € 164 |
|                   |             | 10.0 0.16                  | 1.6              | 29.9%       | 36.5%            | 18.7%       | -6.4%       | 6%           | 1.8%        | 0.8%          |       |
|                   |             | 6.2 0.1                    | -3.9             |             |                  |             |             |              |             |               |       |
| 4th Lactation     | 16          | -18                        |                  | € 56        | € 67             | € 39        | € -12       | € 12         | € 3         | € 5           | € 169 |
|                   |             | 8.7 0.16                   | 2.2              | 29%         | 34.6%            | 20.2%       | -6.2%       | 6%           | 1.8%        | 2.3%          |       |
|                   |             | 6.1 0.11                   | -3.2             |             |                  |             |             |              |             |               |       |
| 5th Lactation (+) | 26          | 46                         |                  | € 58        | € 78             | € 33        | € -13       | € 15         | € 4         | € 3           | € 177 |
|                   |             | 9.2 0.12                   | 1.9              | 28.3%       | 38.2%            | 16.1%       | -6.5%       | 7.1%         | 2.1%        | 1.6%          |       |
|                   |             | 7.2 0.09                   | -4.3             |             |                  |             |             |              |             |               |       |

## 2. Dairy Youngstock

|                    |           |            |      |      |             |             |             |              |             |            |            |              |
|--------------------|-----------|------------|------|------|-------------|-------------|-------------|--------------|-------------|------------|------------|--------------|
| <b>2022 Calves</b> | <b>31</b> | <b>101</b> |      |      | <b>€ 81</b> | <b>€ 83</b> | <b>€ 40</b> | <b>€ -15</b> | <b>€ 14</b> | <b>€ 3</b> | <b>€ 6</b> |              |
| Missing EBI*       | 0         | 12.9       | 0.15 | 2.3  | 33.6%       | 34.6%       | 16.4%       | -6.1%        | 5.8%        | 1.1%       | 2.4%       | <b>€ 212</b> |
| Total Calves       | 31        | 10.8       | 0.13 | -4.4 |             |             |             |              |             |            |            |              |
| <b>2021 Calves</b> | <b>39</b> | <b>106</b> |      |      | <b>€ 83</b> | <b>€ 78</b> | <b>€ 42</b> | <b>€ -13</b> | <b>€ 13</b> | <b>€ 3</b> | <b>€ 3</b> |              |
| Missing EBI*       | 0         | 12.4       | 0.14 | 2.1  | 35.2%       | 33.2%       | 17.9%       | -5.6%        | 5.6%        | 1.3%       | 1.2%       | <b>€ 209</b> |
| Total Calves       | 39        | 11.3       | 0.13 | -4.1 |             |             |             |              |             |            |            |              |

### Herd EBI pattern



### Joe Morrissey Costs per litre - 2 year average

| Year | Gross Output | Feed | Fert | Vet  | AI   | Contract | Other V.Costs | Total V. Costs | Mach | Car/ESB/phone | Deprec | Hired Labour | Leases | Other F. Costs | Total F. Costs | Total Costs* | Net Profit |
|------|--------------|------|------|------|------|----------|---------------|----------------|------|---------------|--------|--------------|--------|----------------|----------------|--------------|------------|
|      | c/l          | c/l  | c/l  | c/l  | c/l  | c/l      | c/l           | c/l            | c/l  | c/l           | c/l    | c/l          | c/l    | c/l            | c/l            | c/l          | c/l        |
| 2021 | 46.98        | 8.17 | 1.4  | 0.91 | 0.43 | 1.81     | 1.65          | 14.37          | 1.57 | 1.12          | 2.17   | 0.43         | 2.58   | 2.36           | 10.23          | 24.6         | 22.38      |
| 2020 | 36.15        | 4.81 | 2.0  | 0.94 | 0.63 | 2.74     | 0.22          | 11.35          | 2.64 | 0.68          | 2.49   | 3.3          | 2.23   | 3.35           | 14.69          | 26.04        | 10.11      |

\*excludes own labour

### Joe Morrissey Farm Physical Performance - 3 year average

| Year | Stocking rate | Stocking rate M. P | Cow no | litre /cow | Prot% | Fat % | KG MS /cow | kg MS /MP ha | Herd EBI | 6 week calving | replace ment % | SCC | kg conc /cow | Grass Grown | Chem N/ha |
|------|---------------|--------------------|--------|------------|-------|-------|------------|--------------|----------|----------------|----------------|-----|--------------|-------------|-----------|
|      | W. Farm       |                    |        | produced   |       |       |            |              |          |                |                |     |              | DM/ha       | WF        |
| 2021 | 2.57          | 4.27               | 129    | 5504       | 3.71  | 4.41  | 460        | 1965         | 166      | 80             | 29             | 133 | 1,100        | -           | 191       |
| 2020 | 2.5           | 4.07               | 123    | 5298       | 3.72  | 4.40  | 443        | 1806         | 157      | 64             | 20             | 204 | 908          | -           |           |
| 2019 | 2.37          | 4.07               | 123    | 5584       | 3.74  | 4.52  | 475        | 1934         | 149      | 81             | 31             | 173 | 900          | -           |           |
| AVG  | 2.48          | 4.14               | 125    | 5462       | 3.72  | 4.44  | 459        | 1902         | 157      | 75             | 27             | 170 | 969          |             |           |

Farm: Joe Morrissey -  
Rostellan

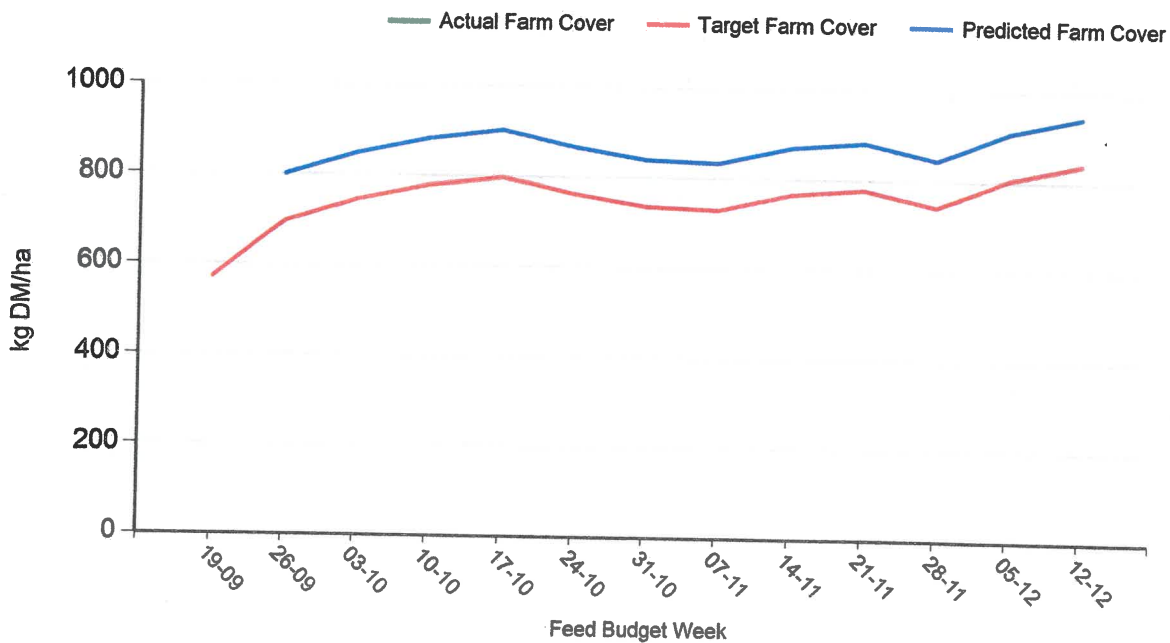
StockType: Spring Milkers

**Budget Details**

| Week Start | Area (ha) | No. of stock | Grass Intake | Meal Intake | Silage Intake | Total Intake | Target Farm Cover (kg DM/ha) | Predicted Growth (kg DM/DAY) | Actual Farm Cover(kg DM/ha) | Predicted Farm Cover(kg DM/ha) | Actual Growth (kg DM/DAY)   | Demand (kg DM/ha) | Stocking Rates (LU/ha) | Actual Cover/L U(kg DM/LU) |
|------------|-----------|--------------|--------------|-------------|---------------|--------------|------------------------------|------------------------------|-----------------------------|--------------------------------|-----------------------------|-------------------|------------------------|----------------------------|
| 19/09/2022 | 30.19     | 111          | 9            | 6           | 3             | 18           | 571                          | 51                           | <b>CURRENT</b><br>675       |                                | 45                          | 33                | 3.68                   | 183                        |
| 26/09/2022 | 30.19     | 111          | 12           | 6           | 0             | 18           | 696                          | 51                           |                             | 800                            |                             | 44                | 3.68                   | 217                        |
| 03/10/2022 | 30.19     | 111          | 12           | 6           | 0             | 18           | 745                          | 49                           |                             | 849                            |                             | 44                | 3.68                   | 231                        |
| 10/10/2022 | 30.19     | 111          | 12           | 6           | 0             | 18           | 779                          | 47                           |                             | 883                            |                             | 44                | 3.68                   | 240                        |
| 17/10/2022 | 30.19     | 111          | 12           | 6           | 0             | 18           | 799                          | 39                           |                             | 903                            |                             | 44                | 3.68                   | 245                        |
| 24/10/2022 | 30.19     | 111          | 10           | 5           | 3             | 18           | 763                          | 33                           |                             | 867                            |                             | 37                | 3.68                   | 236                        |
| 31/10/2022 | 30.19     | 90           | 10           | 5           | 3             | 18           | 737                          | 29                           |                             | 841                            |                             | 30                | 2.98                   | 282                        |
| 07/11/2022 | 30.19     | 90           | 7            | 5           | 6             | 18           | 731                          | 26                           |                             | 835                            |                             | 21                | 2.98                   | 280                        |
| 14/11/2022 | 30.19     | 70           | 7            | 5           | 6             | 18           | 767                          | 18                           |                             | 871                            |                             | 16                | 2.32                   | 375                        |
| 21/11/2022 | 30.19     | 70           | 7            | 5           | 6             | 18           | 779                          | 11                           |                             | 883                            | <b>TARGET CLOSING COVER</b> | 16                | 2.32                   | 381                        |
| 28/11/2022 | 30.19     | 50           | 0            | 6           | 12            | 18           | 743                          | 9                            |                             | 847                            |                             | 0                 | 0                      |                            |
| 05/12/2022 | 30.19     | 50           | 0            | 6           | 12            | 18           | 806                          | 5                            |                             | 910                            |                             | 0                 | 0                      |                            |
| 12/12/2022 | 30.19     | 30           | 0            | 6           | 12            | 18           | 841                          | 4                            |                             | 945                            |                             | 0                 | 0                      |                            |

\* COWS FULLY  
HOUSED

**Comparison Chart**



**Notes:**

Each additional day at pasture is worth  
over €2/animal per day in Autumn

Each additional day at pasture is worth  
over €3/animal per day in spring



# Closing This Autumn

**Close the farm up to have grass available next spring!!!**

• Rotation length Late September: Minimum 30 days

• Late September - highest grass supply on farm

• Start closing October 5-15th (Dry Farms)

• 1 Week earlier for Heavy Farms

• Close in rotation – every day delay in closing reduces  
spring grass supply

• 60-65% closed November 1<sup>st</sup>

• Close “Rainy Day Spring Paddocks” in late October

• Close Clover paddocks/Reseeds late October



➤ Dates are a reasonable guide



➤ **Grazed grass is a more valuable feed in  
spring than autumn grass**

➤ **Feb 1<sup>st</sup> 2022 Opening AFC: 900+ kgDM/ha**

✓ The Paddock – Square, Dry, Near farmyard

✓ The Infrastructure - Good access & road network

✓ The Sward – Medium Cover Next Spring

▪ **800-1000 kg DM/ha so closed late October**

✓ **The Farmer - Suitable grazing techniques & flexible**

## Fodder Budget

Exported on 27/09/2022

Budget Name: Fodder Budget 2022

| Stock                 | No Of Days | Stock No. | Stock Wt. | DMI % | Kg / Day | Meal Fed kg / day | Forage intake kg DM/day | Total Tonnes of Forage DM Required | Total Tonnes of Meal Required |
|-----------------------|------------|-----------|-----------|-------|----------|-------------------|-------------------------|------------------------------------|-------------------------------|
| Dairy Cows (Milking)  | 30         | 111       | 600       | 3.2   | 19.2     | 5                 | 15.8                    | 52.61                              | 16.65                         |
| Dairy Cow (0-40 DIM)  |            |           | 600       | 2.7   | 16.2     | 0                 | 16.2                    | 0.00                               | 0                             |
| Dairy Cows (Dry)      | 90         | 111       | 600       | 1.8   | 10.8     | 0                 | 10.8                    | 107.89                             | 0                             |
| Dry suckler Cows      |            |           | 700       | 1.25  | 8.8      | 0                 | 8.8                     | 0.00                               | 0                             |
| Calved suckler cow    |            |           | 650       | 1.7   | 11.1     | 0                 | 11.1                    | 0.00                               | 0                             |
| In-calf Heifers       | 90         | 39        | 500       | 1.9   | 9.5      | 0                 | 9.5                     | 33.35                              | 0                             |
| Weanlings / Yearlings | 90         | 31        | 310       | 1.9   | 5.9      | 2                 | 4.5                     | 12.56                              | 5.58                          |
| Stores 1-2            |            |           | 475       | 1.7   | 8.1      | 0                 | 8.1                     | 0.00                               | 0                             |
| Finishing Steers      |            |           | 600       | 2     | 12       | 0                 | 12                      | 0.00                               | 0                             |
| Finishing Heifers     |            |           | 490       | 1.9   | 9.3      | 0                 | 9.3                     | 0.00                               | 0                             |
| Bulls                 |            |           | 600       | 2.2   | 13.2     | 0                 | 13.2                    | 0.00                               | 0                             |
| Ewes                  |            |           | 80        | 2     | 1.6      | 0                 | 1.6                     | 0.00                               | 0                             |
| Lambs                 |            |           | 45        | 2     | 0.9      | 0                 | 0.9                     | 0.00                               | 0                             |
| <b>Total</b>          |            |           |           |       |          |                   |                         | <b>206.41</b>                      | <b>22.23</b>                  |

| Home Stored Forage             | Length (m) | Width (m) | Height (m) | Clamp Volume (cubic metres) | Fresh Weight Available (tonnes) | Est. Dry Matter % of Forage | Total Tonnes of Forage DM Available on the Farm |
|--------------------------------|------------|-----------|------------|-----------------------------|---------------------------------|-----------------------------|-------------------------------------------------|
| Grass Silage (Pitted)          | 13         | 10        | 1.75       | 227.5                       | 158.1                           | 22                          | 34.78                                           |
| Grass Silage (Pitted) - Second | 19         | 14        | 2          | 532                         | 369.7                           | 22                          | 81.33                                           |
| Maize Silage (Pitted)          |            |           |            | 0                           | 0                               | 32                          | 0                                               |
| Wholecrop Silages (Pitted)     |            |           |            | 0                           | 0                               | 45                          | 0                                               |
| 3                              | 15         | 11        | 3          | 495                         | 344                             | 22                          | 75.68                                           |

|                                | No. of Bales | Weight of each bale (kg) |  |  |     |    |    |
|--------------------------------|--------------|--------------------------|--|--|-----|----|----|
| Grass Silage (4X4 Round Bales) | 200          | 800                      |  |  | 160 | 30 | 48 |
| Hay (4 x4 Round Bales)         |              | 300                      |  |  | 0   | 85 | 0  |
| Straw (4 x 4 Round bales)      |              | 150                      |  |  | 0   | 85 | 0  |
| Grass Silage (4X4 Round Bales) |              | 800                      |  |  | 0   | 30 | 0  |

| Grazing       | Hectares | AVG Cover (KG/HA) |  |  |               |  | Total Tonnes of Forage DM Available on the Farm |
|---------------|----------|-------------------|--|--|---------------|--|-------------------------------------------------|
| Autumn Grass  |          |                   |  |  |               |  | 0                                               |
| Spring Grass  |          |                   |  |  |               |  | 0                                               |
| Other Grazing |          |                   |  |  |               |  | 0                                               |
| Kale/Rape     |          |                   |  |  |               |  | 0                                               |
| <b>Total</b>  |          |                   |  |  | <b>1031.8</b> |  | <b>239.79</b>                                   |

## Summary

| Total Required t/DM | Total in stock t/DM | Surplus/deficit t/DM | % required in stock | Days Short |
|---------------------|---------------------|----------------------|---------------------|------------|
| 206.41              | 239.79              | 33.4                 | 116.2               | 0          |

Disclaimer This application should be used in conjunction with good husbandry practice and should be used only as a guide to grassland management. The use of this application does not effect any statutory requirements. Teagasc shall not be held responsible for any losses incurred by the end user as a result of the use of this application.

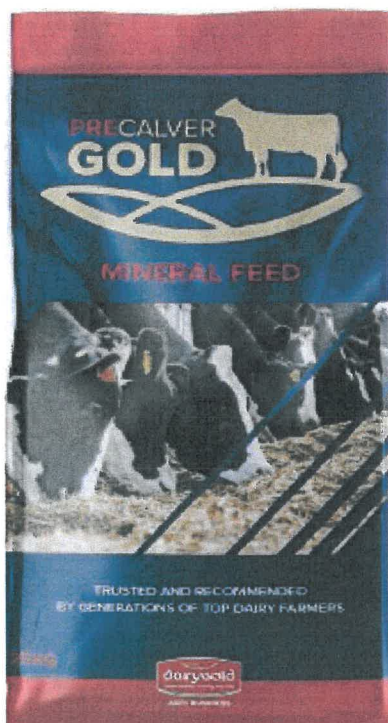
## Value of FeedStuffs - Relative to Barley and Soy

|                         | UFL (per kg DM) | DIE (per kg DM) | Value (per t DM) | DM (%) | Value (per t as fed) |
|-------------------------|-----------------|-----------------|------------------|--------|----------------------|
| Barley                  | 1.16            | 103             | 439              | 86.6   | 380                  |
| Soya                    | 1.18            | 269             | 648              | 86.4   | 560                  |
| Wheat                   | 1.16            | 106             | 442              | 86.6   | 383                  |
| Oats                    | 1.03            | 84              | 380              | 87.4   | 332                  |
| Maize                   | 1.22            | 120             | 476              | 86     | 409                  |
| Unmolassed Beet Pulp    | 1.14            | 110             | 442              | 88.1   | 389                  |
| Molassed Beet Pulp      | 1.14            | 98              | 427              | 88.1   | 376                  |
| Molasses, Beet          | 1.03            | 71              | 364              | 76.1   | 277                  |
| Molasses, Cane          | 1               | 68              | 353              | 73.5   | 259                  |
| Citrus Pulp             | 1.14            | 91              | 419              | 87.5   | 367                  |
| Soya Hulls              | 1.05            | 107             | 414              | 87.9   | 364                  |
| Maize Gluten Feed       | 1.04            | 125             | 434              | 86.5   | 375                  |
| Maize Distillers Grains | 1.16            | 134             | 477              | 89     | 425                  |
| Rapeseed Meal           | 1.05            | 151             | 468              | 86.4   | 404                  |

# Silage (All Silage are 20% DM)

|                              | UFL (per kg DM) | DIE (per kg DM) | Value (per t DM) | DM (%) | Value (per t as fed) |
|------------------------------|-----------------|-----------------|------------------|--------|----------------------|
| ~ Very Good Quality (77 DMD) | 0.87            | 85              | 339              | 0.81   | 67                   |
| ~ Good Quality (72 DMD)      | 0.81            | 73              | 308              | 20     | 62                   |
| ~ Poor Quality (68 DMD)      | 0.76            | 66              | 286              | 20.2   | 58                   |
| Hay ~ Good Quality           | 0.69            | 75              | 278              | 85     | 236                  |
| Hay ~ Poor Quality           | 0.58            | 64              | 235              | 85     | 200                  |
| Barley Straw                 | 0.44            | 46              | 175              | 88     | 154                  |
| Wheaten Straw                | 0.42            | 44              | 167              | 88     | 147                  |
| Oaten Straw                  | 0.5             | 48              | 194              | 88     | 171                  |
| Brewer's Grain (20.5% DM)    | 0.92            | 189             | 480              | 20.5   | 98                   |
| Pressed Pulp                 | 1.11            | 100             | 422              | 22     | 93                   |
| Fodder Beet                  | 1.12            | 88              | 410              | 19     | 78                   |

|                                | UFL (per kg DM) | DIE (per kg DM) | Value (per t DM) | DM (%) | Value (per t as fed) |
|--------------------------------|-----------------|-----------------|------------------|--------|----------------------|
| Maize Silage ~ 5 - 15% Starch  | 0.75            | 67              | 284              | 27.8   | 79                   |
| Maize Silage ~ 25-30% Starch   | 0.8             | 68              | 299              | 32.1   | 96                   |
| Whole crop cereal silage       | 0.8             | 68              | 299              | 40     | 120                  |
| Grass ~ 1st Grazing            | 0.99            | 99              | 388              | 16.4   | 64                   |
| Grass ~ 2nd, 3rd, 4th Rotation | 1.01            | 96              | 390              | 17.2   | 67                   |
| Grass ~ Late Season            | 0.93            | 98              | 371              | 18.6   | 69                   |



### Dry Cow Action Plan

- 1. Analysis Silage:** Must measure: DM, DMD, Preservation, Mg, K, Ca
- 2. Condition Score Dry Cow:** Put a feeding plan in place to meet, not exceed requirements
- 3. Feed a balanced nutritionally enriched mineral:** to prevent milk fever, retained afterbirths and mastitis in early lactation

### Times more likely with Clinical or Sub-clinical Milk Fever

|                     |       |
|---------------------|-------|
| Metritis            | X 1.7 |
| Cull within 1 month | X 2.0 |
| Dystocia            | X 2.6 |
| Retained Afterbirth | X 3.0 |
| LDA                 | X 4.8 |
| Ketosis             | X 8.0 |
| Mastitis            | X 8.0 |

Successful prevention of Milk Fever will substantially reduce the risk of many other problems.

|                                | PRE-CALVER GOLD |
|--------------------------------|-----------------|
| <b>Analytical Constituents</b> |                 |
| Calcium (%)                    | 1               |
| Magnesium (%)                  | 33              |
| Phosphorous (%)                | 3               |
| Sodium (%)                     | 7.5             |
| <b>Trace Elements</b>          |                 |
| Cobalt (mg/kg)                 | 99              |
| Copper (mg/kg)                 | 3000            |
| Iodine (mg/kg)                 | 500             |
| Manganese (mg/kg)              | 3000            |
| Selenium (mg/kg)               | 50              |
| Zinc (mg/kg)                   | 4000            |
| <b>Vitamins</b>                |                 |
| Vitamin A (iu/kg)              | 800,000         |
| Vitamin D3 (iu/kg)             | 250,000         |
| Vitamin E (mg/kg)              | 10,000          |
| Vitamin E (iu/kg)              | 15,000          |
| Feeding Rate (g/day)           | 120gm           |

To Prevent Milk Fever key element: Magnesium

### Milk Fever Trouble Shooting:

- Cow BCS: Fat cows are 4 times more like to suffer from a milk fever
- Silage K to Mg ratio: 10:1 for K:Mg is desirable. A ratio of 20: 1 is high risk territory.
- An in between reading is of concern especially if cow BCS is high or if the farm has shown a pervious history of milk fevers.

To limit the numbers of milk fever:

- Ensure your mineral has enough Mg (40grms per day) and Vitamin D (30,000 mg/day)
- Fix K to Mg ratio by feeding straw, ensure nutritional requirements are met
- have some YMCP on standby for cows with a history of milk fever, 4th lactation + cows or cows that bag up strong.

**Herd Summary - Total Cows Recorded: 72**
**Somatic Cell Count**

★★★★★

**Mastitis Control During Lactation**

No previous test

**Mastitis Control Dry Period/Calving**

★★★★★

**Clinical Mastitis**

★★★★★

**Recorded SCC**  
26-FEB-2022

162

Target : Less than 200

**February Bulk Tank SCC**

N/A

Target : Less than 200

**% of Herd over 200**

19%

Target : Less than 15%

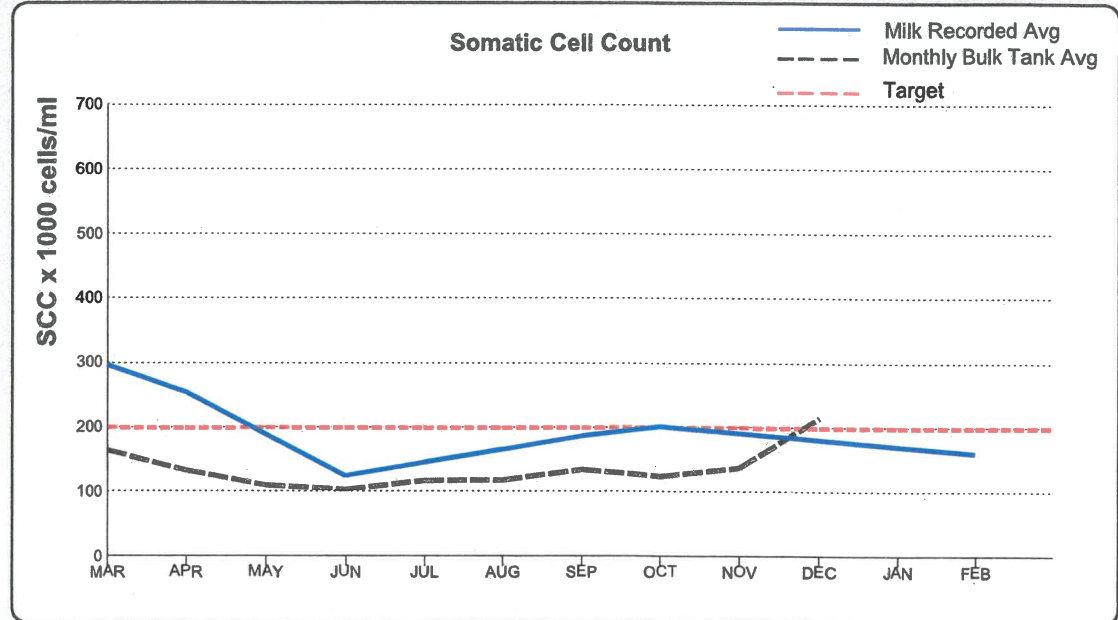
**Avoidable Milk Loss**  
(Ltrs/herd/day) \*

34

**Somatic Cell Count**

★★★★★

National Herd Rank on SCC: 59%



\* This figure is an estimation of the total loss of production from the high SCC cows (&gt;200) in your herd.

**Mastitis Control During Lactation**

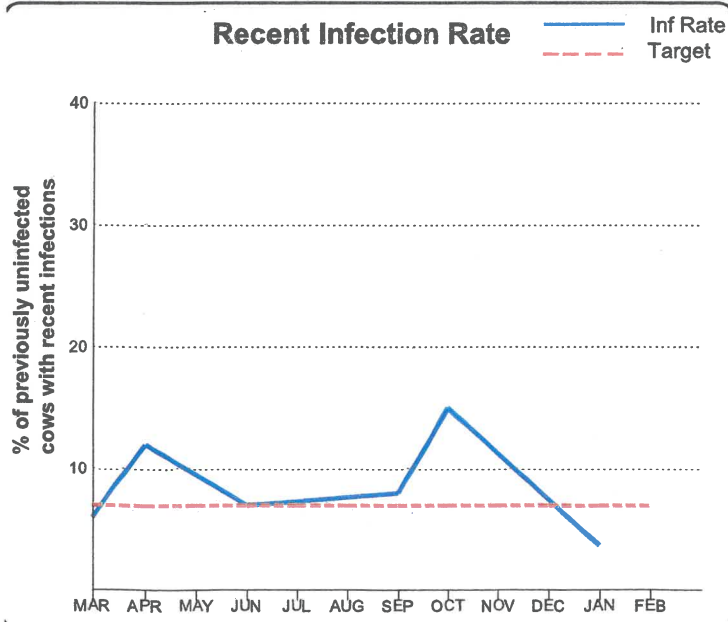
N/A

**Recent Infection Rate since last recording**

>200 in latest milk recording (0) and  
<=200 in the previous milk recording (0) in  
the current lactation

N/A

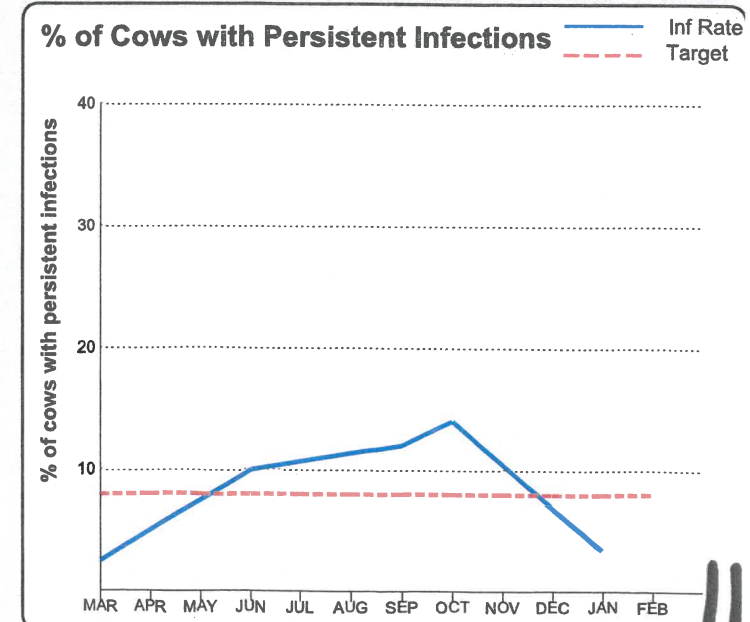
Target : Less than 7%

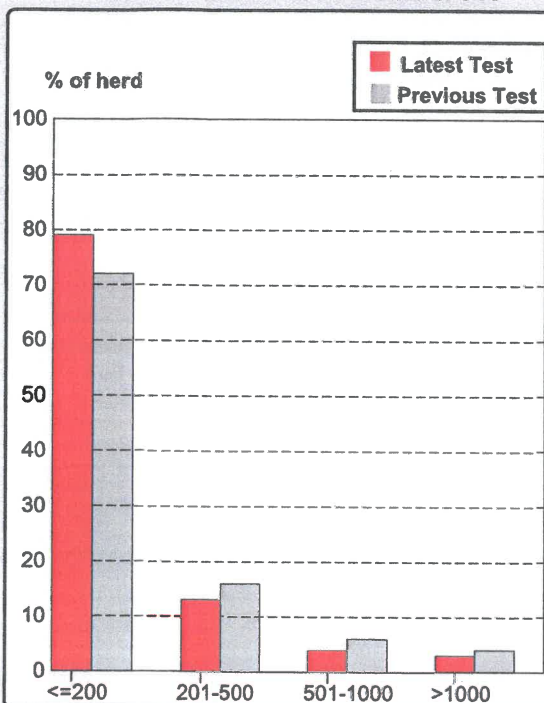

**% of Cows with Persistent Infections**

>200 in last two milk recordings (0) as a %  
of all cows recorded for the last two milk  
recordings (0) in the current lactation

N/A

Target : Less than 8%



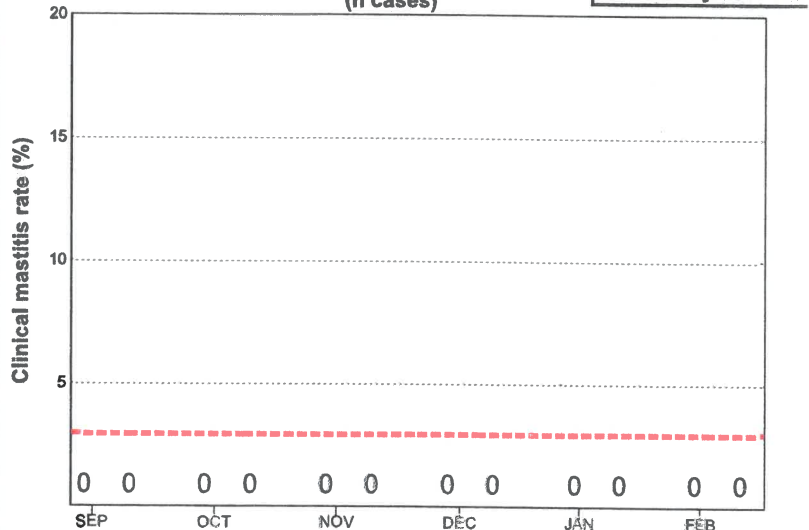
**Herd SCC Distribution**


Target: 85% of herd less than 200

**Clinical mastitis**

★★★★★

Target: Less than 3% **Clinical Mastitis Rate**  
(n cases)



Note: Record treatments in the Record Events section of the ICBF web site [www.icbf.com](http://www.icbf.com)

**Mastitis Control: Dry Period/Calving**

★★★★★

Note: Cows with first recording >60 days after calving are not included.

**New infection rate over the dry period**
**Cows**

No. of cows calved that had a SCC <=200 in recording prior to calving (45) and >200 in the current recording (7).

**Heifers**

No. of heifers that had a SCC >200 in the current recording (3) as a percentage of all heifers calved (13).

**First Test since calving**

16%

Target: Less than 10%

23%

Target: Less than 15%

**All calvings in current lactation**

16%

7/45

Target: Less than 10%

23%

3/13

Target: Less than 15%

**Cure rate over the dry period**

No. of cows calved that had a SCC >200 in recording prior to calving (11) and <=200 in current recording (7)

64%

Target: Greater than 85%

64%

7/11

Target: Greater than 85%

For information on controlling somatic cell counts and clinical mastitis, check the Cell Check Farm Guidelines for Mastitis Control

Somatic Cell Counts

**Farm Guideline No**

11-12

Mastitis Control: During Lactation

5-15 &amp; Management Note M

Treatments During Lactation

10 &amp; Management Notes B &amp; G

Mastitis Control: Calving/Dry Period

1-4 &amp; 16-20



Farm Guidelines book is available from your Co-op and local Veterinary Practitioners.



For further advice on controlling somatic cell counts and mastitis, contact your local CellCheck advisor.  
Further information on the CellCheck Programme is available on [www.cellcheck.ie](http://www.cellcheck.ie)

12

# Milk Recording - Summary Farm Report

MUNSTER BOVINE  
BALLYVORISHEEN  
MALLOW  
CO CORK  
Tel: 022/43228

Herd owner: JOSEPH MORRISSEY

Herd No: 10015

Print date: 30/07/22

Test date: 27/07/22

Scheme A6

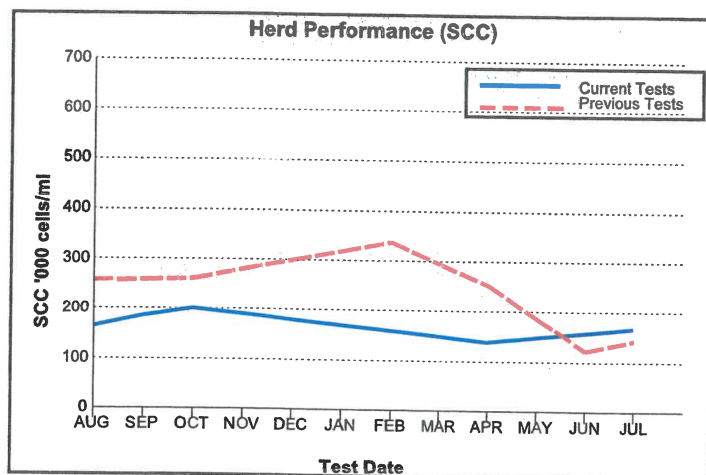
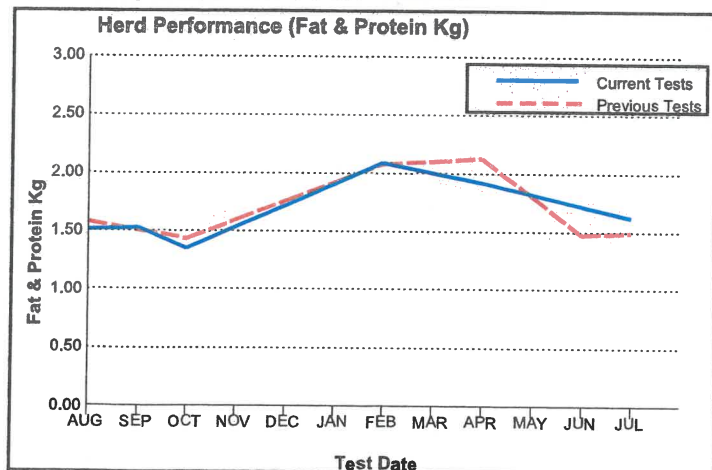
Page: 1(2)

## 1. Production summaries

| Group   | Number of cows recorded | Average days in milk | Test Day / Yield to date / 305 day yield |        |      |      |      |      |      |        | Ave SCC Test>200 No. Treats | EBI (Euros) |
|---------|-------------------------|----------------------|------------------------------------------|--------|------|------|------|------|------|--------|-----------------------------|-------------|
|         |                         |                      | M Kg                                     | M Gall | F%   | P%   | L%   | F Kg | P Kg | F+P Kg |                             |             |
| Overall | 119                     | 158                  | 21.2                                     | 4.5    | 4.13 | 3.53 | 4.74 | 0.87 | 0.75 | 1.62   | 170                         | 177         |
|         |                         |                      | 3997                                     | 854    | 4.01 | 3.34 | 4.60 | 160  | 133  | 293    | 22                          |             |
|         |                         |                      | 6238                                     | 1333   | 4.22 | 3.53 | 4.59 | 263  | 220  | 483    | 0                           |             |

|               |    |     |      |      |      |      |      |      |      |      |     |     |
|---------------|----|-----|------|------|------|------|------|------|------|------|-----|-----|
| 1st Lactation | 27 | 161 | 18.2 | 3.9  | 4.14 | 3.51 | 4.75 | 0.75 | 0.64 | 1.39 | 153 | 189 |
|               |    |     | 3371 | 720  | 3.95 | 3.30 | 4.61 | 133  | 111  | 244  | 5   |     |
|               |    |     | 5377 | 1149 | 4.18 | 3.48 | 4.60 | 225  | 187  | 412  | 0   |     |
| 2nd Lactation | 32 | 162 | 21.1 | 4.5  | 4.19 | 3.54 | 4.75 | 0.88 | 0.75 | 1.63 | 213 | 183 |
|               |    |     | 4064 | 868  | 4.09 | 3.37 | 4.64 | 166  | 137  | 303  | 6   |     |
|               |    |     | 6208 | 1326 | 4.28 | 3.55 | 4.64 | 266  | 221  | 487  | 0   |     |
| 3rd Lactation | 17 | 157 | 21.8 | 4.7  | 4.10 | 3.53 | 4.79 | 0.89 | 0.77 | 1.66 | 83  | 165 |
|               |    |     | 4193 | 896  | 4.03 | 3.34 | 4.66 | 169  | 140  | 309  | 2   |     |
|               |    |     | 6443 | 1376 | 4.26 | 3.52 | 4.65 | 274  | 227  | 501  | 0   |     |
| 4+ Lactation  | 43 | 152 | 22.8 | 4.9  | 4.10 | 3.53 | 4.71 | 0.94 | 0.81 | 1.75 | 183 | 169 |
|               |    |     | 4262 | 911  | 3.97 | 3.33 | 4.54 | 169  | 142  | 311  | 9   |     |
|               |    |     | 6719 | 1435 | 4.19 | 3.53 | 4.54 | 282  | 237  | 519  | 0   |     |
| Dry Cows      | 0  |     |      |      |      |      |      |      |      |      |     |     |

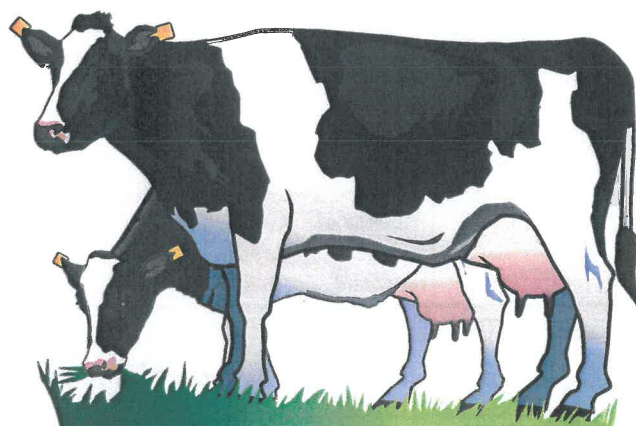
## 2. Comparative Herd Performance



## 3. Test day production history

| Test date      | Herd Performance |           |           |           |           |           |           |           |           |           |           |
|----------------|------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                | 27-JUL'22        | 26-JUN'21 | 29-APR'22 | 26-FEB'22 | 31-OCT'21 | 08-SEP'21 | 26-JUN'21 | 15-APR'21 | 27-FEB'21 | 12-OCT'20 | 01-AUG'20 |
| Number of cows | 119              | 120       | 118       | 72        | 116       | 118       | 120       | 124       | 76        | 113       | 116       |
| Milk kg        | 21.2             | 19.4      | 27.1      | 26.9      | 15        | 18.4      | 19.4      | 28.2      | 26.6      | 16.3      | 19.7      |
| Milk gallons   | 4.5              | 4.2       | 5.8       | 5.7       | 3.2       | 3.9       | 4.2       | 6         | 5.7       | 3.5       | 4.2       |
| Fat %          | 4.13             | 4.04      | 3.78      | 4.43      | 4.82      | 4.37      | 4.04      | 4.05      | 4.48      | 4.67      | 4.36      |
| Protein %      | 3.53             | 3.53      | 3.26      | 3.41      | 4.17      | 3.95      | 3.53      | 3.52      | 3.33      | 4.18      | 3.64      |
| Lactose %      | 4.74             | 4.86      | 4.36      | 4.89      | 4.73      | 4.71      | 4.86      | 5.10      | 4.89      | 4.54      | 4.67      |
| Fat kg         | 0.87             | 0.79      | 1.03      | 1.18      | 0.72      | 0.80      | 0.79      | 1.14      | 1.19      | 0.76      | 0.86      |
| Protein kg     | 0.75             | 0.69      | 0.89      | 0.91      | 0.63      | 0.73      | 0.69      | 0.99      | 0.89      | 0.68      | 0.72      |
| F+P kg         | 1.62             | 1.48      | 1.92      | 2.09      | 1.35      | 1.53      | 1.48      | 2.13      | 2.08      | 1.44      | 1.58      |
| SCC            | 170              | 126       | 141       | 162       | 204       | 189       | 126       | 258       | 343       | 266       | 261       |

# Where are you on the 12 Steps to reduce Gaseous Emissions on YOUR FARM?



## Action needed

12. Incorporate clover

Incorporating 5 kg/ha (2 kg/ac) will replace up to 100 kg/ha (80 units/ac) of chemical N/year

11. Finish cattle earlier

Use Dairy Beef Index (DBI) to produce earlier finishing cattle

10. Reduce age at first calving

Calf heifers at 22 to 26 months and aim for 20% replacement rate

9. Increase milk solids/cow

Milk record, cull poor cows and aim for 305 day lactation

8. Improve dairy herd quality

Use high EBI bulls and increase herd EBI by >€10/year. Use sexed semen to accelerate genetic gain

7. Improve animal health

Create a herd health plan

6. Better grassland management

Weekly farm walk, measure grass and extend grazing season

5. Reduce chemical N by 10kg/ha

Apply lime, incorporate clover and make best use of slurry / FYM

4. Use 100% LESS

Apply slurry in spring / early summer using Low Emission Slurry Spreading Technology (LESS)

3. Build or maintain soil fertility

Continue to use P & K fertilisers such as 18:6:12

2. Apply lime

Identify fields low in pH using soil analysis

1. Use protected urea

Apply protected urea instead of CAN/straight urea

