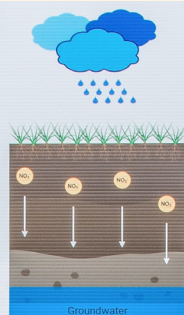




#### How much nitrogen leaves the root zone?

- Once the nitrate dissolved in soil water moves below the root zone, it can potentially have a negative impact on groundwater quality
- Devices called lysimeters allow us to measure the volume of water percolating vertically through soil and analyse its nitrate content
- Two sites established in Timoleague during autumn 2021, two new sites added in September 2022
- The sites differ in terms of grassland management and annual N inputs representative of the area



#### Our monitoring site layout



#### How to minimise nitrate leaching

- Free draining soils at higher risk of nitrate leaching
- Improving on-farm nitrogen use efficiency (NUE)
- Target fields that are most likely to respond to early application
- Match chemical N applied to grass growth rates
- Reduce or cease N applications depending on severity of soil moisture deficits or drought conditions
- Use protected urea for early chemical N application



Site no.	Site description	Farm type
1	Low input pasture	Non-derogation
2	Intensively managed grazing paddock	Derogation
3	First cut silage field, in grazing rotation for the rest of the year	Derogation
4	First and second cut silage, then used in zero grazing system	Derogation

The Timoleague Catchment open day focused on soil solution monitoring, soil fertility trends, water quality trends etc. In attendance were, John O'Brien Vice-Chair and Peadar Murphy CEO, Barryroe Co-op.

## GRASSLAND RESEEDING GUIDELINES 2023

Reseeding is a vital component for all grassland farmers. Increasing grass quality will allow you to increase productivity as well as increasing silage quantities. If you are reseeding at any time of the year, then the golden rule is to choose only mixtures that contain recommended list varieties and use the PPI sub-indices to find a mixture fit for purpose.

1. If you are in a grazing system, use varieties within the mixture that have a high star rating under the Teagasc Grazing Utilisation Index
2. Have a high tetraploid content if you are on good grazing land, at least 50% tetraploids.
3. If you are reseeding silage ground, then pick varieties that score highly for silage on the PPI subindex.
4. Spring growth is vital in west Cork for early turnout– pick varieties that score highly for this trait.
5. Remember, farmers are not paid on grass growth, but milk solids, therefore, palatability and intake are the most important factors, more grass eaten by the cow, more milk produced.

**Clover:** Clover is a vital part of modern swards and needs to be included in every new mixture. Red clover can improve protein content, particularly in silage fields. Be careful of bloat and introduce cattle slowly and monitor stock daily for signs of it.

**Nutrition:** It is particularly important to do a soil sample prior to sowing. This would not only give an indication of P and K status but of pH. It is especially important that the pH level of the field is over 6.5 for good establishment of clover. P and K applied as required.

The seedbed should be firm and fine, typically firm enough to ride a bicycle over. This is important in dry periods as a well consolidated seedbed helps to preserve moisture. A good rolling would help.

Post emergence weed control is critical. Choice of product will depend upon whether there is clover in the sward. Graze as soon as the plants can tolerate grazing as this will help the thicken the sward.

price and 1 c/L reduction in support from the stability fund.

The Carbery Board is continuing its support for April milk at 3c/L from its stability fund. Barryroe is paying €7.281 per kg of protein and €4.854 per kg of butterfat for variable priced milk. Our average constituents for the month are 3.38% protein 4.14% butterfat and our average price paid for variable priced milk is 44.59 c/L, including 0.5c SCC bonus and VAT @ 5%. The Carbery 3c/L support is also paid on fixed-price milk.

## NEWS WATCH

### MILK SUPPLY AND PRICE

April milk supply amounted to 12,032,052 litres which was a 3% decrease on April 2022. Due to weaker market conditions, there is a 3c/L reduction in the milk price being paid. This drop is made up of a 2c/L decrease in the base

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**DULUX V MATT WHITE 11LTR**  
**ONLY €39.95**



**DULUX WEATHER SHIELD 10LTR COLOUR**  
**BUY 2 FOR €139**



**JOHNSTONES MASONRY WHITE 10LTR**  
**ONLY €34.95**  
**(WHILE STOCKS LAST)**

**DULUX EASYCARE / KIDS / KITCHENS / BATHROOMS, MATT & SOFT SHEEN 5L & 2.5L RM COLOUR**



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**DOSCO 11 PIECE PAINTING KIT 71067**  
**ONLY €9.95**



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# GARDEN OFFERS



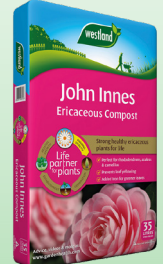
**WESTLAND MULTI PURPOSE JOHN INNES FLASHED 50LTR**  
**BUY 2 & GET 3RD FREE**



**WESTLAND JACK'S MAGIC FLASHED ALL PURPOSE 50L**  
**BUY 2 & GET 3RD FREE**



**WESTLAND BIG TOM TOMATO PLANTER (GROW BAG)**  
**BUY 2 FOR €14**



**WESTLAND ERICACEOUS POTTING MIX 60LTR**  
**BUY 3 FOR €20**



**TOMORITE 1LTR**  
**BUY 2 FOR €13.95**



**ROUNDUP RTU GUN 1LT**  
**+ 20% FREE ONLY €7.95**



**ROSECLEAR ULTRA**  
**ONLY €8.95**



**SLUG CLEAR SLUG PELLETS 685G**  
**ONLY €7.95**



**GRANULAR SULPHATE OF IRON 25KG**  
**ONLY €22.95**



**MIRACLE GRO PLANT FOOD 1KG**  
**BUY 2 FOR €14.95**



**GARDENERS CHOICE LAWN FEED WEED & M/KILLER 14.1KG**  
**BUY 2 FOR €49.95**



**LANDSCAPER PRO 14-0-5 FEED WEED + MOSS 15KG**  
**BUY 2 SAVE €10**



**WILD FLOWER SEEDS POLLINATOR 1KG**  
**ONLY €34.95**



**SPRAYER CALYPSO KNAPSACK 18LT**  
**ONLY €34.95**



**GOLDCROP WILD FLOWER SEEDS 200G**  
**BUY 2 FOR €19.95**



**GOLDCROP NO.2 LAWN SEED 1.5KG BAG**  
**ONLY €11.95**



**SPREADER BROADCAST VALUE LAWN**  
**ONLY €59.95**



**SEMI COMMERCIAL BROADCAST SPREADER**  
**€134.95**

# LYONS SYSTEMS RESEARCH HERD UPDATE

Date: 08/05/23

**Grassland Management:** One paddock (1.59 ha) was closed off for silage and the cover was 2000 kg DM/ha on the 5th of May. Cows are being offered an average allocation of 13.5 kg DM/day of grass. Average DM of the grass this week was 17.2%. Cows are being fed on average 7.5 kg/day of a 14% crude protein concentrate in the parlour which is formulated with native ingredients.

Farm Details Week 01-07/05/23	
Stocking rate on MP (LU/ha)	4.13
Farm Cover (DM/ha)	661
Growth Rate (DM/ha/day)	80
Demand (DM/ha/day)	54
Average grass DM (%)	17.2
Average Concentrate fed (kg/day)	7.44
Average DIM	77

**Breeding Season:** The breeding season started on 2nd of May for 12 weeks. Heat detection is being done using automatic activity monitoring and scratch cards which will be read in the collecting yard before milking. Breeding is done by Artificial insemination (AI) and is conducted twice daily.

Cow Details Week 01-07/05/23	
Yield (kg/cow/day)	33.75
Fat (%)	4.05
Protein (%)	3.40
MS (kg/day)	2.51
SCC	60,240

The weighted EBI averages of the bulls are:

EBI €	Milk SI	Fert SI	Health €	Milk kg	Fat kg	Prot kg	F+P kg	F%	P%
254	123	105	16	303	24	17	41	0.20	0.11

These bulls were selected for high milk fat and protein and milk PTA to ensure the milk fat and protein % stay positive in addition to selecting for balanced milk production and fertility sub-index values.

33% (18/57 cows) of the cows were served during the first week of the breeding season in line with the expected targets (33% of the cows served in the first week, 33% in the second week and the remaining 33% in the third week of the breeding season).

The replacement heifers, the first lactation cows and 6 elite cows will receive HF sexed semen. The rest of the cows will receive beef semen. The replacement heifers were on an oestrus synchronisation programme and were AI'd on Friday May 5th.

## AGRI OFFERS



SAVE  
€50

Eprinex 5Ltr



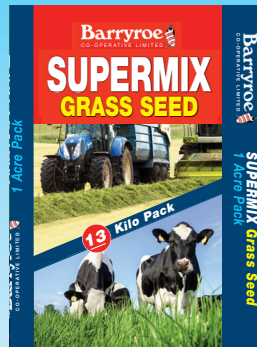
SAVE  
€10

Doxstar 2Ltr



10%  
OFF

Ecosyl / Ecocool Silage Products



GRASS SEED DEALS BUY 5 BAGS BARRYROE SUPERMIX GRASS SEED & SAVE €25

GRASS SEED DEALS BUY 10 BAGS BARRYROE SUPERMIX GRASS SEED & SAVE €75

SAVE  
€10

ScrubKiller Ultra 3Ltr  
ONLY €189  
(Excellent Product @ Exceptional Value)



New Quality Range of German made Fencers Manufactured Exclusively and Sold Under the Farmstokk Brand at Highly Competitive Prices.



SAVE  
€50

FARMSTOKK MAINS FENCER  
M10000 (100 Acres)  
Was €319 Now  
ONLY €269



SAVE  
€70

FARMSTOKK SOLAR FENCER S2300  
(25 ACRES)  
Was €499  
Now €429



SAVE  
€90

FARMSTOKK MAINS FENCER  
M20000 (200 ACRES)  
Was €570 Now  
ONLY €479

**OPEN SUNDAY**  
**9AM - 2PM**

**ONLY 69c**

**Fresh Choice**  
Butterhead Lettuce  
Cucumber Loose  
Keogh's  
Easy Cook... Baby New Potatoes  
400g €1.73 per kg

**FROM €14.95**

**Bulmers Original Cider Bottles** 12 Pack 12x330ml **€16.50**  
**Heineken Bottle Beer** 12 Pack 12x330ml **€19.50**  
**Birra Moretti Beer Bottles** 12 Pack 12x330ml **€20.00**  
**Sol Beer Bottles** 12 Pack 12x330ml **€18.50**  
**Peroni Nastro Azzurro Bottles** 12 Pack 12x330ml **€19.95**  
**Miller Genuine Draft Beer Bottles** 12 Pack 12x330ml **€14.50**  
**Staropramen Premium Lager** 12 Pack 12x330ml **€16.95**  
for unit pricing see shelf

**ONLY €2.50**  
Regular Price €3.75  
€8.26 per kg

**Dairygold**  
Light Spread  
454g €5.51 per kg

**ONLY €5**

**Cream of the Crop**  
Rooster Potatoes  
5kg €1 per kg

**ONLY €2.50**

**Gillette**  
Classic Regular Shaving Foam/Gel  
Sensitive Skin 200ml €12.50 per lt

**ONLY €2**

**Glenilen**  
Yogurt Range

**ONLY €2.99**  
Regular Price €5.19  
€1.30 per roll

**Cushelle**  
White Toilet Tissue Quilted  
4 Rolls 75c per roll

**ONLY €1.50**

**Gem**  
Granulated Sugar  
1kg €1.50 per kg

**Fresh Choice**  
Butterhead Lettuce  
Cucumber Loose  
Keogh's  
Easy Cook... Baby New Potatoes  
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**Staropramen Premium Lager** 12 Pack 12x330ml **€16.95**  
for unit pricing see shelf

**ONLY €1.50**

**McVitie's**  
Jaffa Cakes  
125g €12 per kg

**ONLY €4**

**L'Oreal Elvive**  
Shampoo & Conditioner Range  
300ml/400ml See Shelf for Information

**ONLY €3.99**

**Kellogg's**  
Cornflakes 720g €5.54 per kg  
Rice Krispies 510g €7.82 per kg  
Crunchy Nut Honey & Nut Flakes 500g €7.98 per kg

**ONLY €2**

**Dolmio**  
Sauce for Bolognese Range  
500g €4 per kg

**ONLY €19.95**

**Guinness**  
Draught Stout Cans  
12 Pack 12x500ml €3.33 per lt

**ONLY €2**

**Dolmio**  
Lasagne Sauce Range  
Various See Shelf for Information

**ONLY €3.75**

**Danone Actimel**  
Multipack Range  
8 Pack 8x100g €4.69 per kg

**Members pay €4.50**  
Regular Price €6.45/€7.51  
€67.89/€79.05 per kg

**Nescafé**  
Gold Blend (Selected Range)  
95g €47.37 per kg

**ONLY €7.99**

**Robertson**  
Chenin Blanc/Ruby  
Cabernet Sauvignon 750ml  
€7.99 per 75cl

**ONLY €8.99**

**Makulu**  
Wine Range  
750ml €8.99 per 75cl

**ONLY €5**  
Regular Price €9  
€21.43 per kg

**Inishella**  
Sirloin Steak  
Pro Pack 420g €11.90 per kg

**Members pay BUY ONE GET ONE FREE**  
Regular Price €3.10  
€23.48 per kg

**Walkers**  
Baked Crisps Range  
6 Pack 6x22g €23.48 per kg

**SAVE €1**

**Robertson**  
Chenin Blanc/Ruby  
Cabernet Sauvignon 750ml  
€7.99 per 75cl

**SAVE €1**

**Makulu**  
Wine Range  
750ml €8.99 per 75cl

**ONLY €9.50**  
BETTER THAN HALF PRICE  
Regular Price €21.80  
€5.76 per kg

**Daz**  
Washing Powder  
58 Wash €2.52 per kg

**ONLY €5**

**Goodfella's**  
Takeaway Pizza Range  
Various See Shelf for Information

**ONLY €11 EACH**

**Ariel**  
All-in-1 Pods Original  
33 Wash

**Bold**  
Pods Spring Awakening  
33 Wash

**Fairy**  
Non Bio Pods for Sensitive Skin  
33 Wash

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