

Dairy Sustainability Programmes - ASSAP

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Policy/Regulators/Market - Major Sustainability Challenges

- **Climate Change** – Govt ask of Agri - 25% reduction in GHG emissions From 22Mt to 16.5Mt.
- **Continuing Water Quality Dis-improvement** - Agri pressures on waters increasing against decreases in Urban Waste Water pressures. N excess a particular problem for dairy and tillage. Semi-drought conditions problematic this year. P excess also a problem. ASSAP helping to counter.
- **Nitrates Derogation – Challenging Decision by EU – Judicial Review An Taisce**
- **Ammonia** directive national thresholds have been breached in recent years, with agri as the dominant component and infringement processes initiated – signs of stabilisation
- **Bio-diversity** continues to be under threat – Oireachtas emergency status
- CAP restructuring
- Dairyvision group
- PR Challenges
- Market requirements

ASSAP

- A unique industry/ govt co-operation,
- ASSAP expanded this year by Co-ops/Processors,
- Strong co-operation among State Agencies and Co-ops Processors re science from Local Authorities (LAWPRO), ASSAP providing ag support to farmers and suppliers re water quality improvement with Teagasc and Co-ops /processors working closely together, good support from Depts of Housing and Agriculture, farm organisations and particularly suppliers/farmers
- Good model,
- Part of developing tool kit to support farmers and suppliers re sustainability improvements, water, climate, bio-diversity, ammonia, inc chemical fertiliser reduction,
- Further structural changes on way all aspects of sustainability and further tools introduced or in development including sustainability payment programmes



CARBERY

FutureProof

FutureProof Components





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Dairygold Milk Supplier Sustainability Bonus

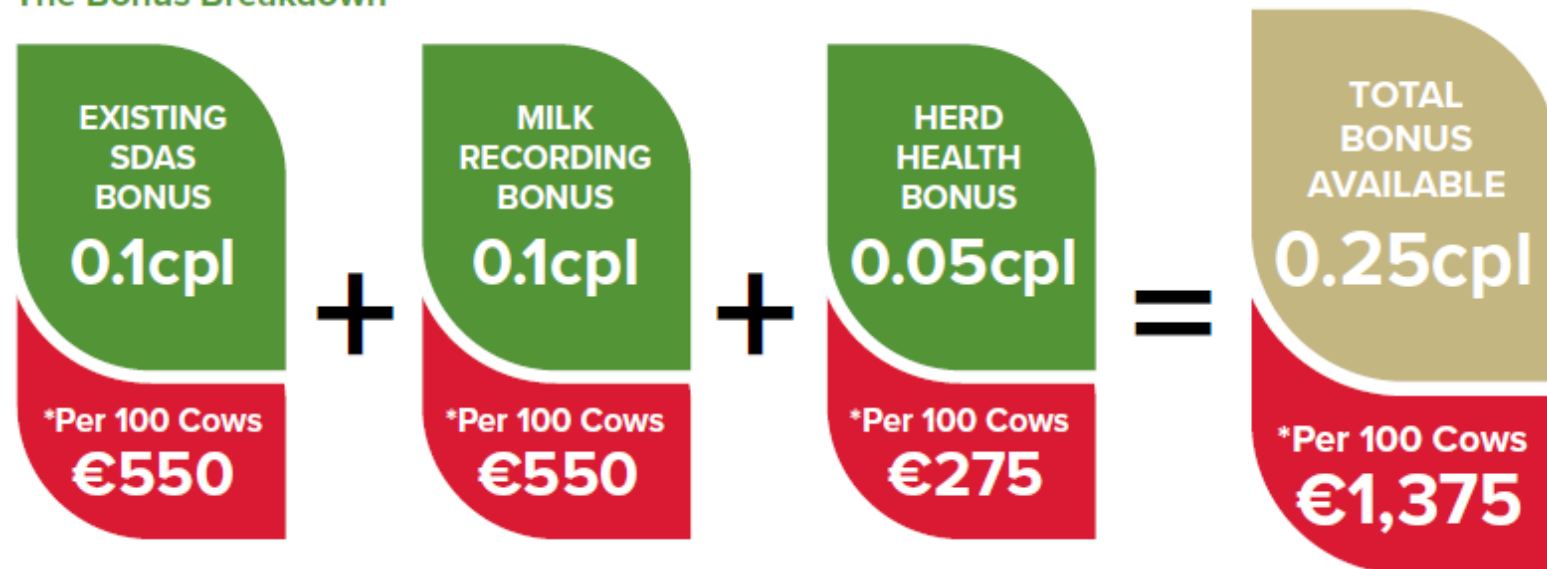
- Sustainability is at the centre of our business model.
- Dairygold work with our Milk Suppliers to create an environment where farm incomes can be maximized in a sustainable and safe environment.
- The Milk Supplier Sustainability Bonus was designed to improve the sustainability of the Dairygold milk production base by maintaining a healthy herd with the most productive cows.
- The Milk Supplier Sustainability Bonus launched in January 2019 encourages all Dairygold Milk Suppliers to participate in both Milk Recording and Herd Health.



What's Involved?

- A Bonus payment is made to Milk Suppliers who participate in dedicated Milk Recording and Herd Health programmes.
- Sustainability bonuses are paid in addition to the existing Balanced Scorecard.

The Bonus Breakdown





A value chain partnership to create an accelerated pathway for low
Carbon dairy in Ireland



Evolve Incentivisation 2022

Action	Detail	Evolve Incentive*	How do I redeem the Evolve Incentives in 2022?
Planting of native Irish trees and shrubs	Kerry will partner with Trees on the Land to fund a biodiversity programme across our catchment	200,000 trees by 2025	You will receive a link (Aug/Sept) to Trees on the Land where you will be able to fill in an application form for a quantity of trees which you will be required to plant (T&C's apply)
Nutrient Management Plans	Colour coded maps presented annually and updated every 3 years	€100/Farm NMP	Present Soil Sample Report (pH, P & K) or Colour Coded Maps generated in the period Sept 2021 – April 2022 to designated staff at Area office in Sept/Oct 2022 - €100 rebate to milk account in October 2022, 2023 & 2024 (minimum requirement of 1 sample/10 cows)
Lime	Purchase lime via an approved supplier up to a maximum of 1 tonne/cow	€55/tonne	Submit verified receipt from approved supplier to designated staff at Area office – rebate to milk account in December (max 1t/cow over 3 years)
Protected Urea	Purchase of protected urea via Kerry Agribusiness	€40/tonne	Rebate to milk account in month of purchase (>40% nitrogen PU €40/t rebate; 30%-40% nitrogen PU €20/t rebate; <30% nitrogen PU €10/t rebate) Max 80KgN/cow
Slurry Analysis	Slurry analysed via approved laboratory	€20/sample	Confirmation of analysis from approved laboratory - rebate to milk account following month (max €100/annum)
Milk Recording	Participation in Munster Bovine Milk Recording (min 4 tests)	€3/cow	Rebate to milk account in December
Breeding Consultation	Attend approved breeding consultation	€50/consultation	You will be informed via text & MilkedIn APP message of upcoming breeding consultation events which will qualify for incentivisation – rebate to milk account following confirmation of attendance (max €50/annum)
Low Protein Feed	Purchase feed from Bloom Feeds low protein range	€10/tonne	Rebate to milk account in month of purchase (selected Bloom Dairy Feeds with crude protein of 14% or less) Max 500Kg/cow
Herd Health	Participation in approved Munster Bovine Herd Health Programme	€100/herd	Rebate to milk account in December
Culture & Sensitivity	Engage in Culture and Sensitivity Testing	€5/sample	Rebate to milk account in December (max €50/annum)
Grass Measurement	Greater than 5 covers on Pasture Base Ireland (May to June)	€100/herd	Submit proof from Pasture Base Ireland to designated staff at Area office in Sept/Oct - €100 rebate to milk account in December
Low Emission Water Heating	Purchase of approved gas water heater	€100/unit	Rebate to milk account on submission of proof of purchase to designated Area staff
Approved Development Event	Participation in approved sustainability related event (Biodiversity, Financial, Grassland, People Management, Health & Safety)	€50/approved event	You will be informed via text & MilkedIn APP message of upcoming events which will qualify for incentivisation – registration required at event - rebate to milk account in December for all events attended (max €200/annum)

Tirlán Sustainability Actions



Tirlán's Co-op wide sustainability journey is set out in it's *Living Proof* sustainability strategy



What is Living Proof ?



Tirlan's commitment to farming, food and the future



Living Proof core work-streams



Living Proof climate objectives



Net Zero Carbon Ambition
by no later than 2050



Reduce carbon emissions from
Glanbia Ireland processing sites
with 30% absolute reductions
by 2030.



Supporting our dairy farmers to
deliver a 30% reduction in carbon
intensity from milk production
by 2030.

On-farm Tirlán is supporting suppliers to enhance biodiversity, air and water quality & reduce climate impact



€18m annual payment for suppliers whom take on-farm sustainability actions, linked to Teagasc's MACC curve.



Tirlán has doubled it's Sustainability Development Advisory Team in the last twelve months and is currently recruiting another team member.



Signpost Living Proof Future Farms Programme

Overview
Programme duration: 2021-2025

Key objectives

1. Reduce GHG emissions by 30% to 0.8 kg CO₂e per kg FPCM (before sequestration) & ammonia emissions by 20%
2. Increase NUE to 35%
3. Net profit >€800 per cow/ > €2,000 per ha

GHG = CO₂e and N₂O (expressed in kg CO₂e/kg FPCM)
NUE = Nitrogen Use Efficiency

Soil Carbon Sequestration
National Agricultural Soil Carbon Observatory (NASCO)

- Each farm will participate
- Deep soil samples taken
- LIDAR analysis of above ground carbon stocks will be conducted
- Sampling will be repeated in 2025, to monitor changes in soil carbon
- Flux Towers

Farm Sustainability Plan

- Prepared for each of the participating farms annually
- Progress benchmarked against:
 - Starting point
 - Other Signpost farmers
 - Targets for the farm
- Will be available at the end of each year

Biodiversity & Water Quality

- Biodiversity baseline assessment for each farm, with actions tailored for each farm & included in the Farm Sustainability Plan.
- Water quality risk based assessments carried out & on-farm remediation plans prepared by Glanbia Ireland ASSAP Farm Sustainability Development Advisors.



Tirlán is focused on building sustainability knowledge capacity amongst suppliers through Ireland's first Sustainable Farming Academy, Signpost collaborations with Teagasc & weekly Sustainable Farm Insights in the Irish Farmers Journal



Dairy Sustainability Ireland

Thank You