



Genetic Evaluation Updates 2025

Corrin Mart, Fermoy, 2024

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An Roinn Talmhaíochta,
Bia agus Mara
Department of Agriculture,
Food and the Marine



AgTech - it's in our DNA

Trends over the years

**Fertiliser: 97
cost of volun**

Milk prices



Charles O'Donnell
January 6, 2023 6:25 pm

Irish milk prices are likely to rise in 2024 by 10%, as global milk production growth slows and demand growth improves. The average milk price for 2024 should increase to just under 48c/L.



The total cost of all fertiliser used in Ireland in 2022 almost doubled compared to 2021, according to the Central Statistics Office (CSO).



ICBF Database

Re-adjustments to EBI in 2025

**Economic Value
Change**



**Base Population
Change**



EBI

€

**Health and
Management Update**



**Linear Type
Evaluation Update**

Economic Value Update



Economic Values in EBI



Input costs

Output price

Future predictions

Processing Costs

Base Population Change

- Accurate group of animals that all animals can be compared against
- Set Base genetic merit (predicted transmitting ability; PTA) to 0

Production					
Milk Kg	Fat Kg	Protein Kg	Solids Kg	Fat %	Protein %
32	19	15	34	0.31	0.25



Why Change?

Current: 2005 born cows, calved and milk recorded in 2007

	Milk Kg	Fat Kg	Prot Kg	Fat %	Prot %	Weighting	Calv Int	Sur%
Parity 1	5538	216.3	188.0	3.91	3.39	0.41		
Parity 2	6246	243.7	216.1	3.90	3.46	0.33		
Parity 3+	6587	258.0	227.1	3.92	3.45	0.26		
Base Cow Performance	6044	236.2	207.5	3.91	3.43	1.00	398.8	85.3



ICBF
Database

Improve the reflection of
more recent cow type

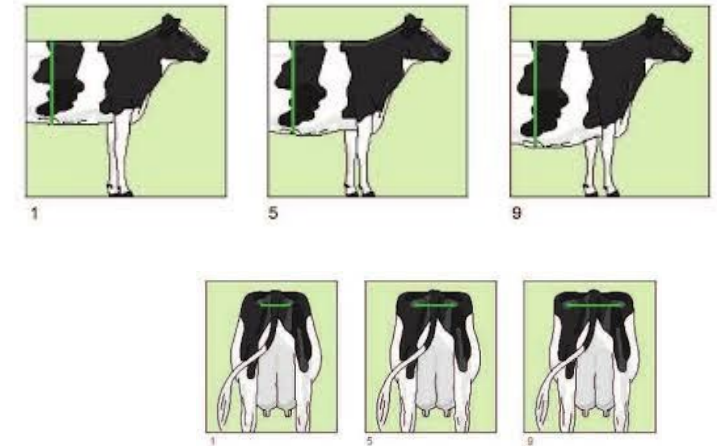
Linear Type Update

The importance of linear type traits in Irish
Holstein-Friesian cows

Maeve Williams

Teagasc, Animal & Grassland Research & Innovation Centre, Moorepark, Fermoy, Co. Cork

- Assessment of an animal's physical characteristics
- Scale of 1-9 and can generally be categorized into three classes;
 - 1) body size,
 - 2) the mammary system,
 - 3) feet and leg conformation
- Available on Animal Search and Bull Lists
- Single Step Genomic Evaluation, Increased accuracy



Health Update

Health (8%)



Lameness and Mastitis

New data on Locomotion

Single-Step Genomic evaluation



Management Update

Management (4%)

- Temperament Change
- Milking duration data from DIY handheld



Impact of Proposed changes...



Strong relationship



Linear Update



Health and Management



Base and Economic



Timeline = Next Year



Our Farmer & Government Representation



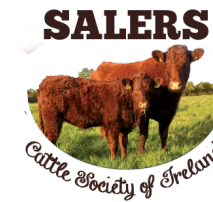
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Our AI & Milk Recording Organisations



Our Herdbooks



MRI Cattle Society of Ireland
Meuse Rhine Isssel -- Milk & Muscle!



Norwegian Red Cattle Society



Acknowledging Our Members