



# Lyons Dairy Systems Research Herd Notes 2025

## Project Objectives

- To develop a profitable high-output grass-based spring milk production system
- To incorporate the most recent advances in grassland management for dairy farms into a high- output system
- Use a type of dairy cow that has good genetic indices for both milk production and fertility
- Employ the best practices from nutrition research and dairy cow husbandry
- Incorporate nutritional studies into a high-output system
- To incorporate management technologies and system attributes that enhance the sustainability of dairy production



For more details on the High Output Systems Research Herd visit <https://www.ucd.ie/agfood/about/lyonsresearchfarm/lyonsdairyherd/>

## Lyons Systems Research Herd Notes Week 21/04/2025

### Farm Details:

Area Available	14.14	Ha
Current SR (MP)	3.96	LU/ha
Farm Cover	845	kg DM/ha
Cover/LU	213	Kg DM/day
Growth Rate	42	kg DM/ha/day
Demand	61	kg DM/ha/day
Average Conc.	8	kg/day
Average DIM	64	days
Grass DM	21.5	%

### Cow Details:

Parameter	
Yield (kg/cow/day)	33.93
Fat %	4.44
Protein %	3.52
MS (kg/cow)	2.74
SCC cells/ml	43
Cows Calved	56/56

### Grazing plan:

The AFC was recorded at 845kg on the 21<sup>st</sup> of April, with growth rates of 41kg of DM/ha. To manage the grass supply and quality effectively, grass walks are being conducted weekly.

The diet consists of a grass allocation of 15.5kg DM and 8kg of concentrates.

Weather and ground conditions are being closely monitored. Soil temperature measurements were taken on the 14<sup>th</sup> of April, with the average recorded at 10.24°C. Between the 18<sup>th</sup> of April and 24<sup>th</sup> of April 48.5mm of rain fell on the platform.



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**Comment:**

Breeding will commence on the 29<sup>th</sup> of April.