



# 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 27/10/2025

### Farm Details:

Area Available	17.35	Ha
Current SR (MP)	3.11	LU/ha
Farm Cover	786	kg DM/ha
Cover/LU	253	kg DM/day
Growth Rate	25	kg DM/ha/day
Demand	25	kg DM/ha/day
Average Conc.	4	kg/day
Average DIM	251	days
Grass DM	12	%

### Cow Details:

Parameter	
Yield (kg/cow/day)	19.28
Fat %	4.92
Protein %	4.0
MS (kg/cow)	1.72
SCC cells/ml	75

### Grazing plan:

The AFC was recorded at 786 kg on the 29<sup>th</sup> of October, with growth rates of 25 kg of DM/ha. The average pre-grazing cover between the 22<sup>nd</sup> and 27<sup>th</sup> of October was 1414 kg DM/ha. As of the 29<sup>th</sup> of October, 70% of the grazing platform has been closed for the season.

The current diet consists of grass allocation of 8 kg DM, silage allocation of 8 kg DM and 4 kg of concentrates.

Weather and ground conditions are being closely monitored. Between the 21<sup>st</sup> and 27<sup>th</sup> of October 10 mm of rain fell on the platform.