



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 18/08/2025

Farm Details:

Area Available	17.35	Ha
Current SR (MP)	3.11	LU/ha
Farm Cover	824	kg DM/ha
Cover/LU	265	kg DM/day
Growth Rate	46	kg DM/ha/day
Demand	53	kg DM/ha/day
Average Conc.	4	kg/day
Average DIM	181	days
Grass DM	19	%

Cow Details:

Parameter	
Yield (kg/cow/day)	25.1
Fat %	4.60
Protein %	3.74
MS (kg/cow)	2.09
SCC cells/ml	53

Grazing plan:

The AFC was recorded at 824 kg on the 18th of August, with growth rates of 46 kg of DM/ha. To manage the grass supply and quality effectively, grass walks are being conducted twice weekly. The average pre-grazing cover between the 11th and 18th of August was 1560 kg DM/ha.

This weeks' diet consists of a grass allocation of 17 kg DM and 4 kg of concentrates. Greenfeed machines measuring methane allocate concentrates to cows. Three kgs of concentrates are offered through the milking parlour and the remaining 1 kg are fed through the Greenfeed machines measuring methane from the cows on an ongoing basis.

Weather and ground conditions are being closely monitored. Between the 11th and 18th of August 1 mm of rain fell on the platform.



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Comment:

The 3rd intake run of the new research trial into investigating the effects of reducing crude protein content in concentrates will conclude on the 22nd of August.