

Farm Sustainability Report 2020 vs 2024

- Sheep

Farmer Name Innovative Farms

Summary (Compared to 2024)

Change in total farm GHG emissions

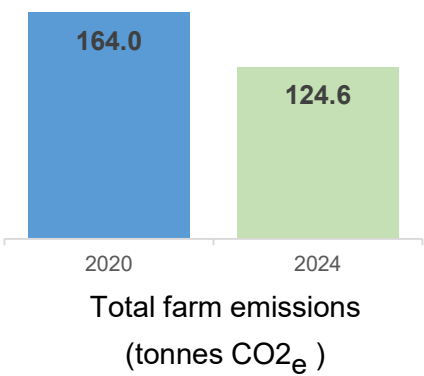
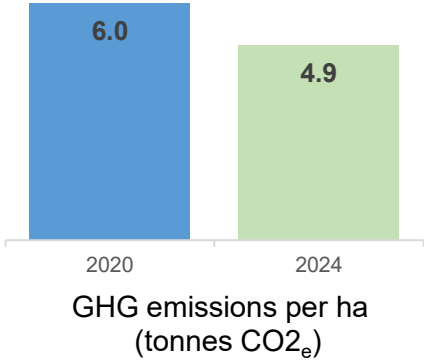
↓ **-24%**

Change in total farm ammonia emissions t NH3

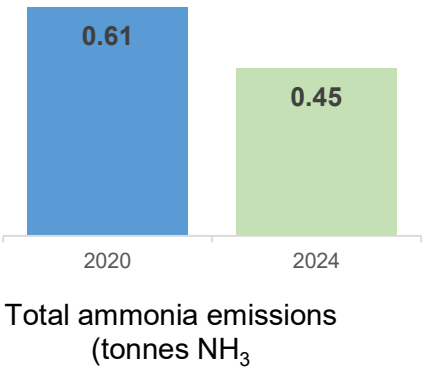
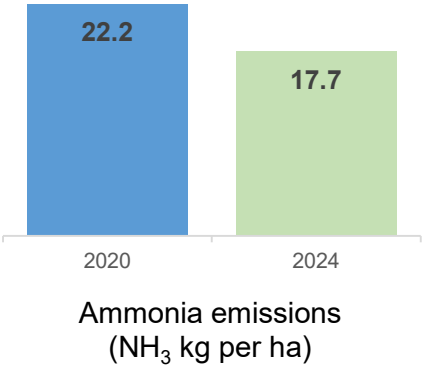
↓ **-27%**

Greenhouse Gas Emissions¹ (GHG)

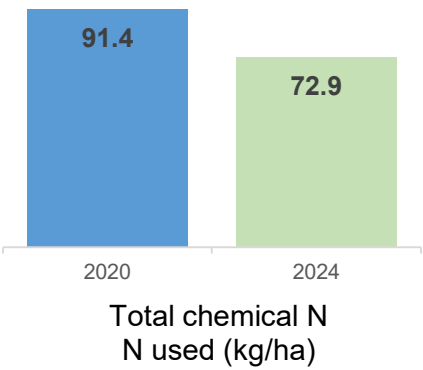
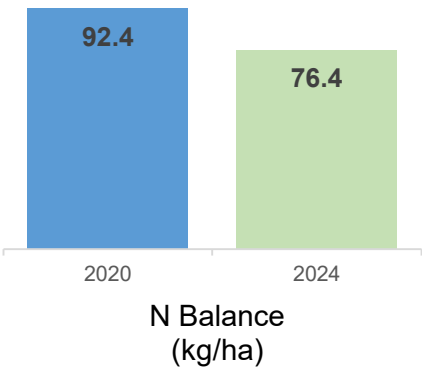
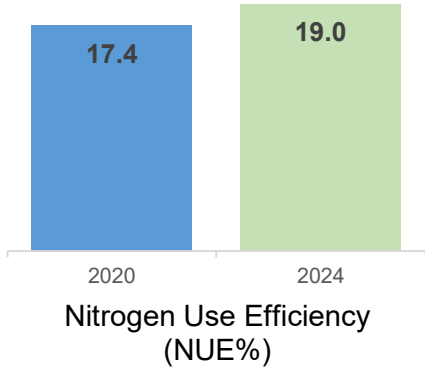
Environmental Sustainability



Ammonia Emissions²

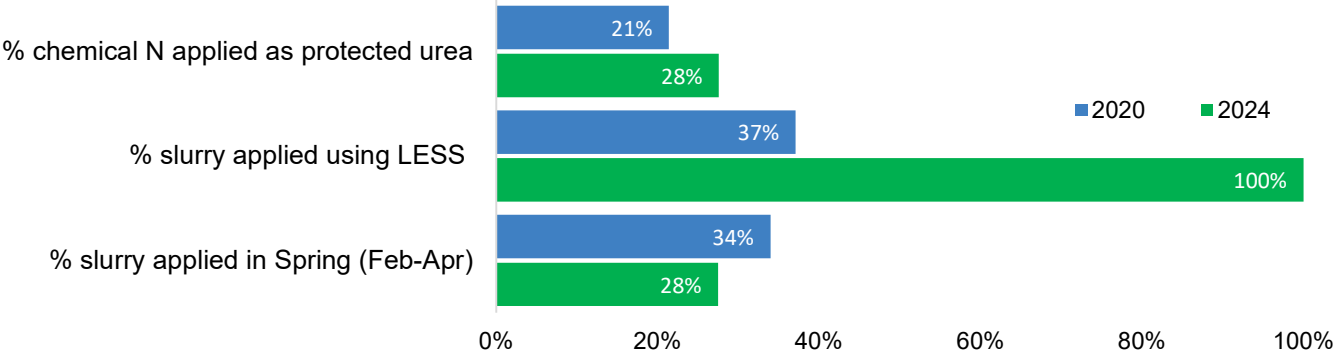


Nitrogen



¹ Does not include Carbon Sequestration

Reducing Reliance on Chemical N



Output

Production	2020	2024
Sheep Livetsock Units	51.8	45.1
Average Ewe No	199	186
Weaning rate	1.43	1.39
Ewes per hectare	7.2	7.1
Carcass Output per ha	232	251
Sheep Forage Area ha ¹	42.5	44.9

Economic Sustainability	2020	2024
Gross output € / ha	1855	2135
Gross margin € / ha	880	1292
Family farm income €/ha ²	533	618
Market orientation % ³	72%	70%

1. Area dedicated to sheep production

2. Family Farm Income: Gross output less total net expenses; it represents the total return to the family labour, management and capital investment in the farm business and includes direct payments

3. Market orientation refers to proportion of gross output (€) that is derived from the market

Data Printout & Key Metrics	2020	2024	% Change 20 to 24
Farm Level Emission Results			
Total Farm GHG Emissions tonnes CO ₂ e	164.0	124.6	-24%
GHG emissions per ha FPCM tonnes CO ₂ -e (IPCC)	6.0	4.9	-18%
Farm Ammonia Emissions tonnes	0.61	0.45	-27%
Ammonia emissions NH ₃ kg per ha	22.2	17.7	-20%
Water Quality Measures			
N Balance kg per ha	92.4	76.4	-17%
Nitrogen Use Efficiency %	17.4	19	10%
Slurry & Fertiliser Practices			
% chemical N - protected urea	21%	28%	7%
% slurry applied using LESS	37%	100%	63%
% slurry applied in Spring (Feb-Apr)	34%	28%	-6%
Sheep Technical Results			
Meal feeding kg per LU	397	366	-8%
Carcass Output per ha	232	251	8%
Weaning % (lambs reared per ewe joined)			
Stocking Rate per hectare (lu/ha)	1.43	1.39	-3%
Economic Returns			
Gross output per hectare €	1,855	2,135	15%
Gross margin per hectare €	880	1,292	47%
Family farm income per hectare €	533	618	16%
Market Orientation %	72%	70%	-2%
Soil Fertility			
Lime Usage (Total tonnes)	67.1	14.8	-78%
Lime Usage (Tonnes per hectare)	0.78	0.16	-80%
Livestock			
Sheep Livestock Units	52	45	-13%
Ewe Average Number	199	186	-6%
Fertiliser			
Total kgs Chemical N Applied	7,865	6,763	-14%
Total Chemical N used kg / ha	91.4	72.9	-20%
% Chemical N applied as CAN	33%	7%	
% Chemical N applied as Urea	13%	30%	
% Chemical N applied as Protected Urea	21%	28%	
% Chemical N applied in NPK mixtures	31%	23%	
% Chemical N applied in NK mixtures	0%	2%	
% Chemical N applied in NP mixtures	0%	4%	
% Chemical N applied in Other N mixtures	1%	6%	
Land Base			
Total area farmed (ha)	80.0	84.2	



LIFE GREEN SHEEP