



Industry training and Knowledge Transfer

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CAFRE

CAFRE delivery

CAFRE delivers advisory support to multiple sectors through the Knowledge Advisory Service (KAS)

- Agriculture
 - Food
 - Equine
 - Horticulture
-
- CAFRE target is to deliver Industry training and Knowledge transfer to 17,000 individuals from within the agri food sector annually

Business Development Groups (BDG's)

Sector specific groups

- KTT and Peer to Peer learning
- 182 groups across 15 production sectors
- Includes 25 Agri environment groups
- Current programme concluded March 2024

Topics covered

- Nutrients Action Programme
- Nutrient Management Planning
- Soil Health
- Water quality
- Use of LESSE



[Manure storage
calculator](#)

[N Max for grassland](#)

[Phosphorus balance
calculator](#)

[Nitrogen loading
calculator](#)

[Crop nutrient calculator](#)

[Manure Export
Calculator](#)

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CAFRE Nutrient Calculators

There are six CAFRE Nutrient Calculators which will help you with the Nitrates Action Programme (NAP) measures on nutrient limits, manure storage requirements and record keeping.



Nitrogen Loading Calculator

Check if you are below the 170kg N/ha/year limit or if operating under a derogation the 250kg N/ha/year limit



N Max for Grassland Calculator

Check that nitrogen applications to the whole grassland area on the farm do not exceed the NAP limits



Crop Nutrient Calculator

Helps you to comply with nutrient limit requirements and draw up a nutrient management plan (NMP) for your farm



Phosphorus Balance Calculator

Calculate the P balance for your farm and help manage P inputs and outputs to meet the limit



Manure Storage Calculator

Calculate the weekly slurry, dirty water, manure production and current storage capacity for your farm



Manure Exports Records

Record and submit annual exported organic manure records to DAERA

Crop Nutrient Calculator

[Help manual](#)[Conversion calculator](#)

Enter your field details for which you have a soil analysis and generate a crop nutrient recommendation. You may also edit or delete field details already entered and download a summary report.

My Field Plans

View field plans for year

2023

[Add new field plan](#)[Import fields from previous year](#)[Import SNHS Field Data](#)[Download summary](#)[Download all field plans](#)

	Farm Survey Number	Field Number	Next Crop	Field Size	Actions
	1/102/028	7 (Oldstone far Maize)	Forage Maize	4.39	Edit Download Delete
	1/102/108	17B (McCabes 2)	Forage Maize	2.5	Edit Download Delete
	1/103/017	23 (Reas)	Forage Maize	2.31	Edit Download Delete
	1/103/017	27 D + F (Roundhill)	Forage Maize	1.84	Edit Download Delete
	1/103/017	112A (McFaddens)	Forage Maize	1.91	Edit Download Delete
	1/111/111	1 (DC 3 cut P3)	Silage 68-70D Silage	6.75	Edit Download Delete
	1/111/111	2 (DC 2 cut silage P2+)	Silage 68-70D Silage	3.5	Edit Download Delete
	1/111/111	3 (DC 2 cut silage P2-)	Silage 68-70D Silage	12.57	Edit Download Delete
	1/111/111	4 (DC 1 cut silage P3)	Silage 68-70D Silage	2.86	Edit Download Delete
	1/111/111	5 (DC 1 cut silage P2+) 	Silage 68-70D Silage	2.66	Edit Download Delete

Crop Nutrient Calculator Summary Report

Name: MR WILLIAM ANDREW THOMPSON
 Address: GREENMOUNT CAMPUS 45 TIRGRACY ROAD ANTRIM CO.ANTRIM BT41 4PS

Report Year: 2023

1. Your Field Plans

Field Details	Next Crop	Organic Manure Recommendation	Chemical Fertiliser Recommendation
FSN: 1/102/028 Field No: 7 (Oldstone far Maize) Size: 4.39 (10.85 acres)	Forage Maize	Dairy Cow Slurry 6% Dry Matter: 38.5 m ³ /ha (3500 gal/acre) [169 m ³ /field (37964 gal/field)]	0 0 50 (+22% SO3): 120 kg/ha (1 50kg bags/acre) [10.5 50kg bags/field] 46 0 0: 125 kg/ha (1 50kg bags/acre) [11 50kg bags/field]
FSN: 1/102/108 Field No: 17B (McCabes 2) Size: 2.5 (6.18 acres)	Forage Maize	Dairy Cow Slurry 6% Dry Matter: 38.5 m ³ /ha (3500 gal/acre) [96 m ³ /field (21620 gal/field)] Cattle Farmyard Manure 25% Dry Matter: 5 t/ha (2 t/acre) [12 t/field]	18 46 0: 100 kg/ha (0.8 50kg bags/acre) [5 50kg bags/field] 25 0 13 (+7% SO3): 135 kg/ha (1.1 50kg bags/acre) [6.8 50kg bags/field]
FSN: 1/103/017 Field No: 23 (Reas) Size: 2.31 (5.71 acres)	Forage Maize	Dairy Cow Slurry 6% Dry Matter: 38.5 m ³ /ha (3500 gal/acre) [89 m ³ /field (19976 gal/field)]	0 0 50 (+22% SO3): 120 kg/ha (1 50kg bags/acre) [5.5 50kg bags/field] 46 0 0: 130 kg/ha (1.1 50kg bags/acre) [6 50kg bags/field]
FSN: 1/103/017 Field No: 27 D + F (Roundhill) Size: 1.84 (4.55 acres)	Forage Maize	Dairy Cow Slurry 6% Dry Matter: 38.5 m ³ /ha (3500 gal/acre) [71 m ³ /field (15912 gal/field)]	0 0 50 (+22% SO3): 120 kg/ha (1 50kg bags/acre) [4.4 50kg bags/field] 46 0 0: 130 kg/ha (1.1 50kg bags/acre) [4.8 50kg bags/field]
FSN: 1/103/017 Field No: 112A (McFaddens) Size: 1.91 (4.72 acres)	Forage Maize	Dairy Cow Slurry 6% Dry Matter: 17.5 m ³ /ha (1591 gal/acre) [33 m ³ /field (7508 gal/field)]	46 0 0: 175 kg/ha (1.4 50kg bags/acre) [6.7 50kg bags/field]

Report Generated by Crop Nutrient Calculator
 (www.daera-ni.gov.uk/onlineservices/)

Slurry management open days

Two on farm events focused on improved use of slurry on farm

- Over 400 farmers attending
- Positive response

Topics covered

- Nutrient content and availability of slurry
- Accurate application and buffer zones
- Balancing slurry and fertiliser to satisfy NMP
- Pressures on water quality
- Challenges to Lough Neagh
- Future solutions/options



Slurry management open days

Good Model for future delivery

Collaboration between

- CAFRE
- NIEA
- DAERA

Brings together Advisory, Research and Policy

Deliver the full message to an audience

Very positive feedback from these events.



Welcome to **CAFRE**

The College of Agriculture, Food and Rural Enterprise (CAFRE) offers full-time, part-time and short courses for students aspiring to and staff working within the agri-food and land-based sectors.

[> Soil Nutrient Health Scheme training](#)

[> Explore CAFRE during Open Farm Weekend](#)

Last 12 months:

- 2000 businesses registered online
- 417 Face to Face



Welcome to the Soil Nutrient Health Scheme Training

This training aims to provide an understanding of the principles of nutrient management and help interpret the nutrient results and the fertiliser recommendations received from the SNHS.

The training will outline the role and importance of carbon on Northern Ireland farms and demonstrate how to prepare a nutrient management plan using the CAFRE Crop Nutrient Calculator.

This training consists of a series of short, interactive videos. Phase 1 provides a step-by-step guide to interpreting your SNHS report. Phase 2 demonstrates how to complete a nutrient management plan for your farm.

If you have any difficulties, contact the Helpdesk at ithelpdesk@cafre.ac.uk



Start your training

You must complete both Phase 1 and 2 to complete training.

Once you have started, your progress will be saved.



Phase 1 training

Click on the button below to start or continue your training

SNHS Phase 1

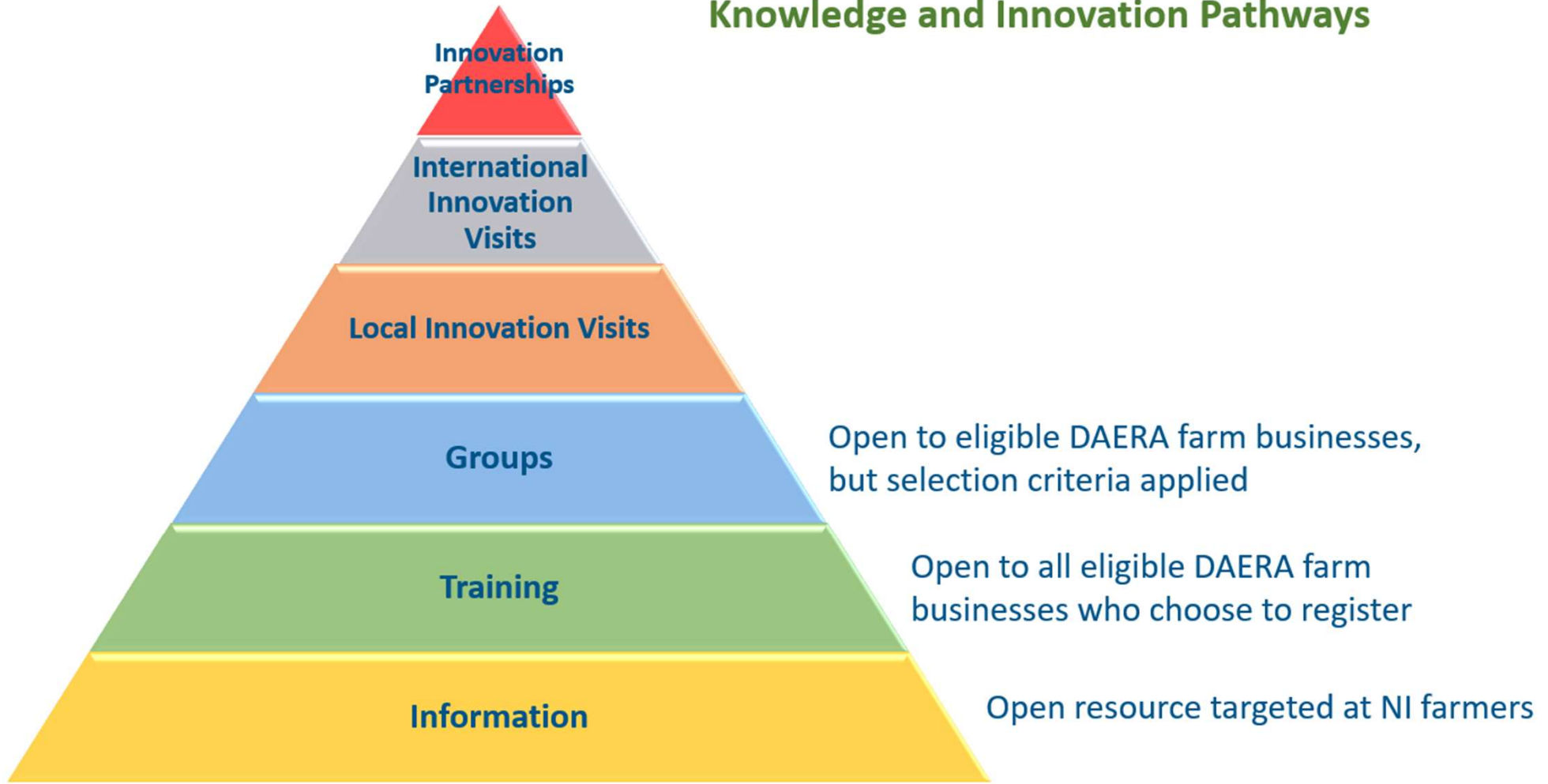


Phase 2 training

Click on the button below to start or continue your training. You must complete phase 1 first.

SNHS Phase 2

Knowledge and Innovation Pathways



Future development

- New Business Sustainability groups
- Targeted training/course delivery on specific topics
 - Nutrient management planning
 - Farmyard mitigation
 - Carbon training
 - Water catchment style programme
- KAS Newsletter
- Social media/online content
- Press
- Targeted events
- Industry engagement with agri food professionals to increase information transfer
- Future NAP training can be provided





Thank You