

AETS Course Objectives

- Update on environmental issues
 Update on CAP 2023 and New Schemes
- Introduction to recent developments at EU and National level
- Lessons learnt from GLAS participation.
- Key ecological concepts.
- Introduction to the concept of results based agri-environment measures including use of score cards.
- Information on farm health and safety standard

Reimbursement per attendee shall be paid €156





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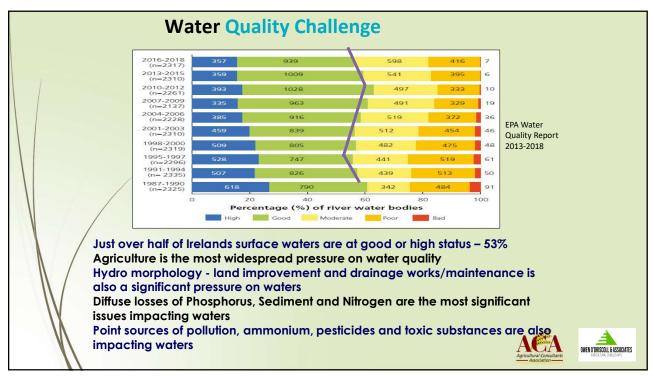
Structure of course

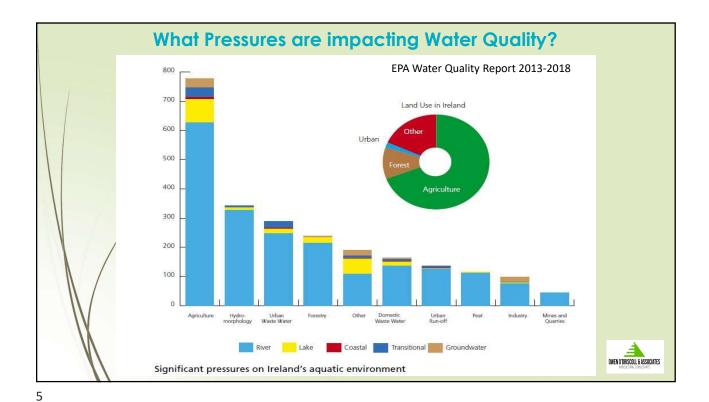
- Course = 2 training sessions on the day of delivery.
- The course must be 6 hours duration to be delivered between 10 am and 5 pm on any day during the week.
- One of the sessions, either morning or afternoon, must be delivered on a host farm.
- Max no of attendees at training course will be 25.





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Phosphorus (P)

EPA Report:

29% of river monitoring stations showing unsatisfactory phosphate levels

24% of river monitoring stations show an increasing trend

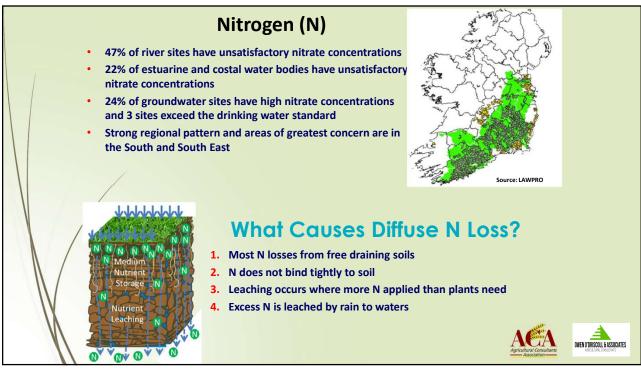
What Causes Diffuse P & Sediment Loss?

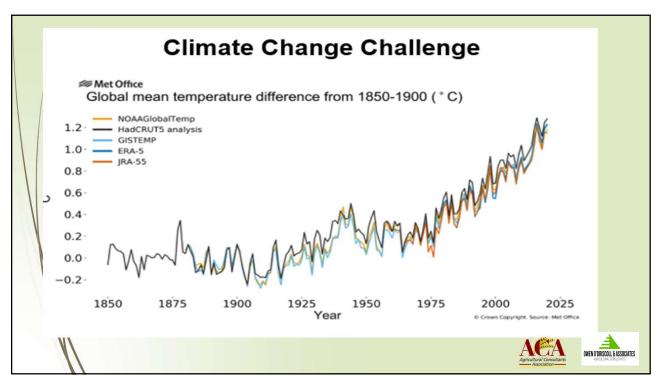
1. Most losses from low permeability soils

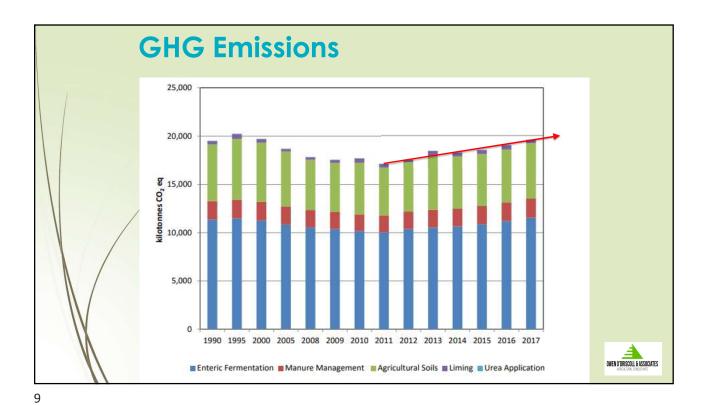
2. Heavy rainfall leads to saturated soil and overland flow of water

3. P and soil sediment washed off into drains & streams

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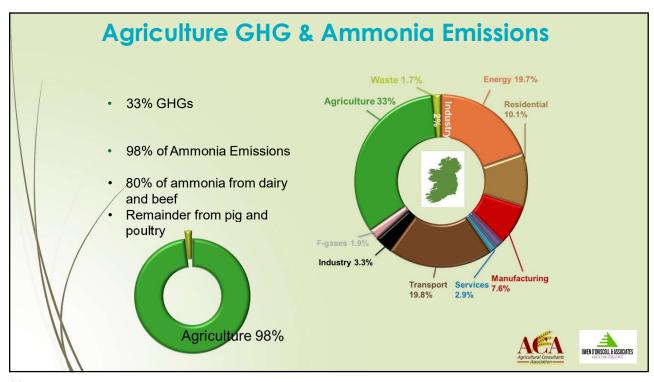


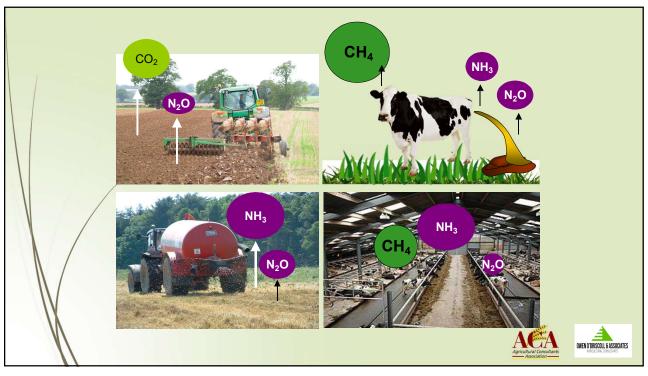
GHGs in Irish
Agriculture

20.2 Mt CO₂ eq

Nitrous Oxide
(31%)
6.30 Mt CO₂ eq

0.94 Mt CO₂





The Challenges

- · Industry expanding to meet global food demand
- GHG and ammonia emissions increased since 2011
 - 32% greenhouse gas emissions
 - 98% ammonia emissions

Agricultural GHG 2030 targets:

- Reduce emissions ~10-15% (17.5 -19Mt CO₂e)
- Deliver carbon sequestration ~ 10% (2.7 MT CO₂e)

-Ammonia targets:

- 1% reduction 2020-30
- 5% from 2030 onwards









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Future

There are challenges in Water, Climate and Biodiversity

Farmers can help address these challenges

New Technology and Mitigation measures (LESS, Protected Urea etc)

The new CAP and Agri Environment Scheme (AECM) can help



