

Technical Advisory Group report

Wye Nutrients Management Board

29/07/22

Purpose of TAG



Role: The Technical Group will be responsible for identifying and analysing options to deliver improvements to Water Quality. This will result in the Technical Group presenting options and recommendations to the Board. The Board will then decide upon the appropriate course of action and whether further evidence is required.

Wye Actions spreadsheet



1	Theme	Measure	Action	Lead	Other organisations	Costs	Progress / Barriers	Anticipated P reduction	Legal certainty (HML)	Requests / recommendations to Board	
2	Poultry										
3	See poultry working group in 2022 work plan										
4	Poultry	Poultry working group established.		Kate Speke-Adams, WUF	Rachael Joy HC, Hayley Fleming NE, James Griffiths NE, Sue Buckingham NE, David Lee NRW, John Reed Avara						
5	Evidence		Determine what share of agricultural P is from poultry and what share is from other livestock.	Jenny Gamble EA							
6	Avara project	Reducing P in poultry supply chain, from feed to manure.	Work with Avara to support them in installing supply chain level solutions to reduce P footprint of the manure of the growers/suppliers (150,000t of poultry manure)	John Reed, Avara	Poultry working group			3588			
7		Enable P to be removed as a dry product and sold out of catchment.	Share learning and develop approaches with other suppliers.		WUF & Courtauld partners, David Lee NRW						
8	Farm advice	Work with other suppliers to retrofit measures to reduce P.	Identify poultry enterprises and decide upon targeting. Identify interventions to retrofit.								
9			Understand grants available and advise on these.	WUF & Courtauld partners	Anne-Marie Jones NE, Kate/Gail WUF						
10	Enforcement	Clarify legal / best practice requirements for poultry farms.	Develop position statement to clarify manure/slurry collection requirements and issue.								
11			Devise programme of visits.	NRW & EA							
12			Enforcement action.	NRW & EA							
13											
14	Livestock										
15	Evidence		Determine what share of agricultural P is from poultry and what share is from other livestock.	Jenny Gamble EA							
16	Pigs		Reduce Phosphate in pig and cattle feed.								

Wye work plan 2022



- Poultry
- Farm advice
- Land use innovation
- Regulation
- Evidence
- Wetlands

Theme	Project	Action	Lead	Other organisations	Costs	Staff resource	Anticipated P reduction (t/ha)	Legal certainty (Y/N/A)	Progress / Blockages	Requests / recommendations to board
<p>Poultry working group</p> <p>Kate Speke-Adams, WUR</p> <p>Rachael Joy MC, Hayley Fleming MC, James Griffiths MC, Sue Buckingham MC, Dawn Lee MC, John Reed, Avara</p>										
Evidence	Modelling source apportionment	Establish what share of agricultural P is from poultry and what share is from other livestock.	Jenny Gamble EA							Not yet committed
		Speak to Avara to see if we can access their data. Use this information to target actions.	Rachael Joy MC							
Avara project	Reducing P in poultry supply chain, from feed to manure, manure P to be removed as a dry product and sold out of catchment.	Avara to install supply chain level solutions to reduce P footprint of the manure of the growers/suppliers (23t, cost of poultry manure)	Avara	Kate Speke-Adams WUR				Depends on 2323 agreement to maintain action		
		Consider installing 2 mobile pyrolysis plants set up collection system and market.	Avara		£	404,000				
		Consider alternatives to pyrolysis plants.	Avara							
		Publish case study and implement findings.	Avara	Kate Speke-Adams WUR	£	42,000				
		Instigate conversation with Avara.	Rachael Joy MC	Poultry working group					Group met with Avara on 26 June 22.	
		Review scope and capacity to build processing plants in catchments including funding, role of a planning and permitting briefing note.	WLU	EA, NRW, WLU	£	7,500				
		Develop approaches with other suppliers.	WLU		£	4,200				
	Farm advice on retrofitting interventions to reduce impact of free range poultry on water quality	Farming Connect demo farms. Do we organise a visit for the 22 farmers from Welsh poultry?		Yes NRW will put contact in touch, possibly Leah Price.						01 April 2022
		Identify poultry enterprises, decide upon								

Poultry working group



- Chair - Kate Speke-Adams, WUF
- Members - Rachael Joy HC, Hayley Fleming NE, James Griffiths NE, David Lee NRW
- Met with John Reed from Avara on 16 June
 - End to end chicken discussion
 - Data sharing
 - Role of enforcement
 - Pyrolysis plants
 - Catchment Sensitive Farming advice
- Visits to Farming Connect demo farms

To resource:



- Farm advice
 - How to support farmers in moving to low phosphate inputs
 - RePhoKUs
- Land use innovation
 - Go wild in the Curl
 - England Land Management Schemes (ELMS)
- Regulation
 - Awareness / compliance with existing regulations
 - Enforcement
 - Water protection zone
- Evidence
 - Targets review and river condition
 - Modelling
 - Monitoring
 - Mapping
 - Citizen science

To consider:



- TAG's remit is to advise, and bring options and recommendations to the Board for decisions.
- New management framework to facilitate this and show progress on actions.
- TAG does not deliver the work.
- TAG is suggesting establishing working groups to drive progress in 6 key areas.
- Working groups need to be resourced.
- Integration with top down work on policy and strategy.



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