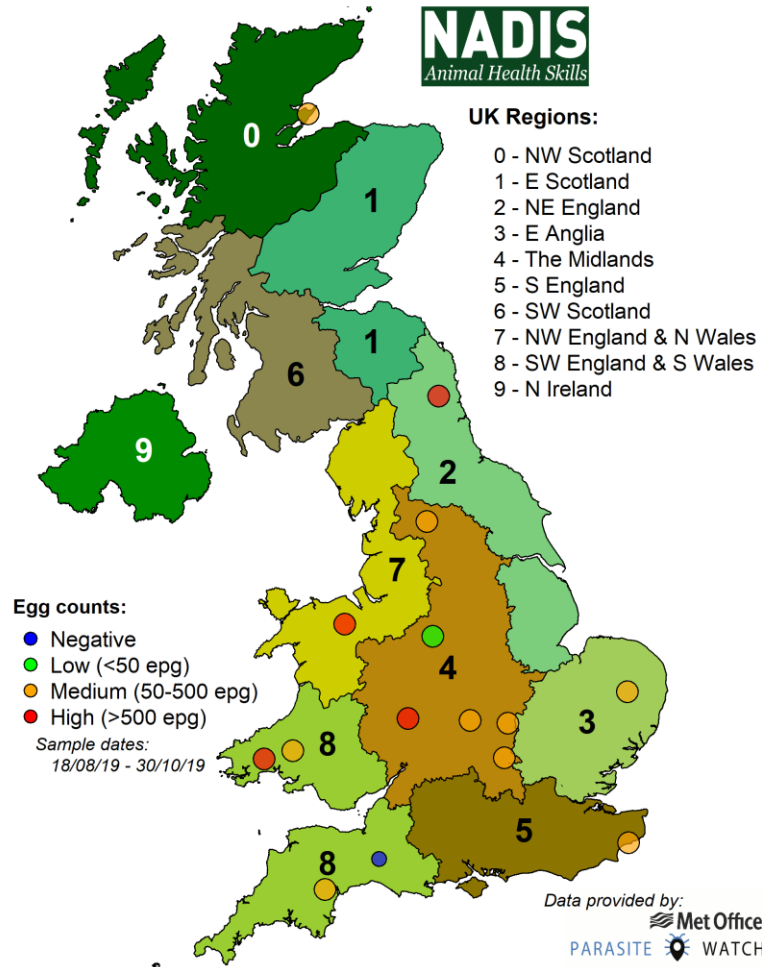


# NADIS Parasite Forecast webinar: December 2019

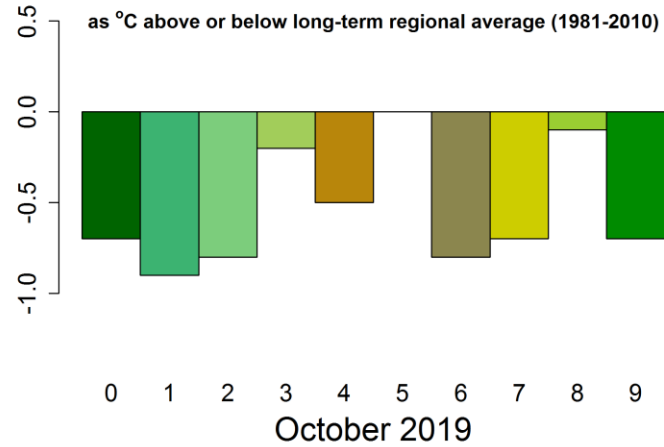


- Autumn liver fluke forecast
- Sheep
  - Parasitic gastroenteritis (PGE)
  - Ectoparasite control
- Cattle:
  - Parasite control in housed animals

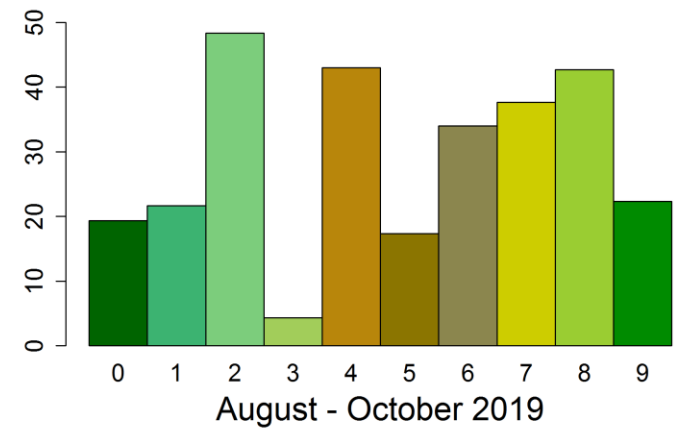
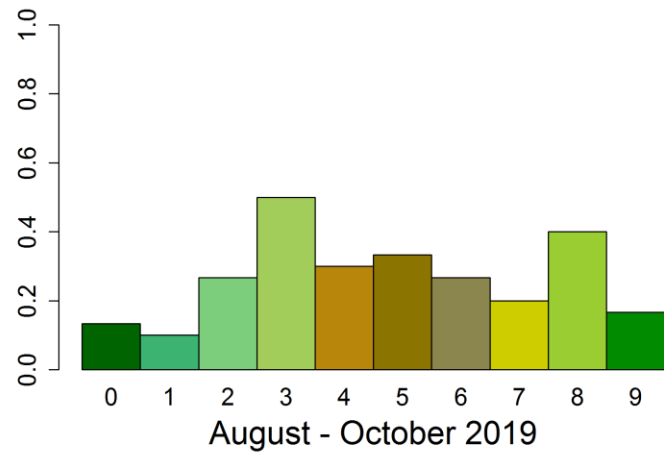
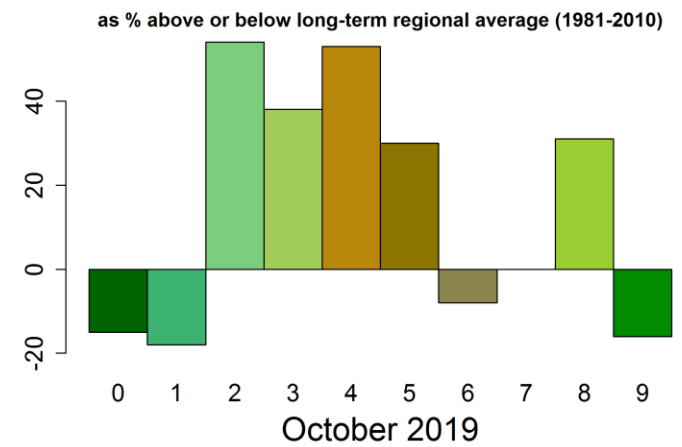
# Weather summary



## Temperature

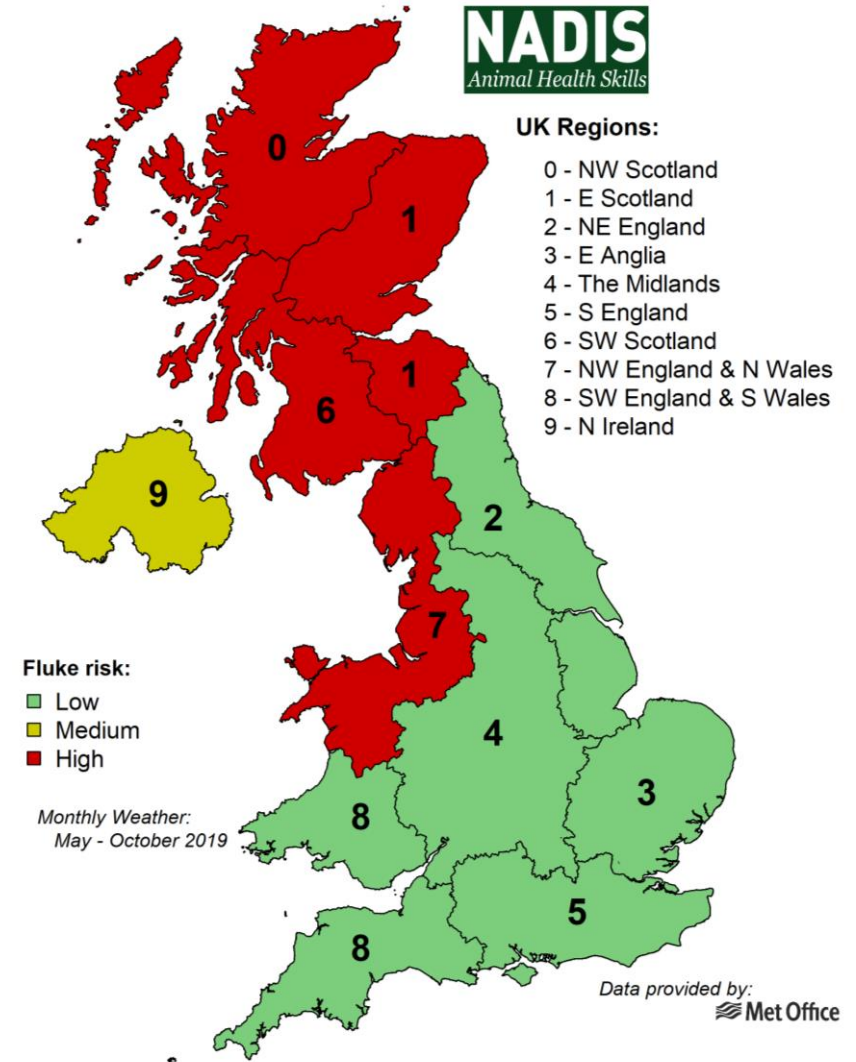


## Rainfall



# Autumn fluke forecast 2019

- Be vigilant for signs of disease in High and Medium risk areas



# Autumn fluke forecast 2019

- Be vigilant for signs of disease in High and Medium risk areas
- Farms with permanently wet or boggy areas are also at increased risk of disease



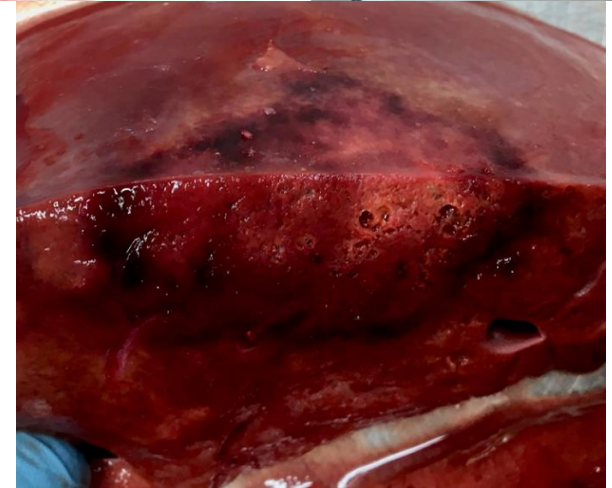
# Autumn fluke forecast 2019

- Be vigilant for signs of disease in High and Medium risk areas
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- Advised actions:
  - Monitor for signs of disease



# Autumn fluke forecast 2019

- Be vigilant for signs of disease in High and Medium risk areas
- Farms with permanently wet or boggy areas are also at increased risk of disease
- Advised actions:
  - Monitor for signs of disease
  - Diagnostic testing
    - Post-mortem
    - Antibody ELISA
    - Faecal antigen testing & egg counts
  - Avoid grazing “High risk” pastures
  - Consider clostridial vaccination



# Autumn fluke forecast 2019

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## Treatment:

- Triclabendazole for acute infection
  - Ensure correct dosing
  - Seek veterinary advice if resistance suspected
- Consider alternatives in otherwise healthy, housed animals

# Sheep: Parasitic gastroenteritis (PGE)

- Pasture infectivity may still be high
- Trichostrongylosis common in youngstock grazing over winter





# Sheep: Parasitic gastroenteritis (PGE)

- Pasture infectivity may still be high
- Trichostrongylosis common in youngstock grazing over winter
- Consider encysted larval burdens
  - Cannot be detected by worm egg counts- consider risk
  - Select treatment with licence of activity against encysted larvae
- For more information please speak to your vet or SQP



# Ectoparasite control in sheep

- Mite and louse infestations common over winter
- Treatment options differ
  - First seek diagnosis



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- Sheep scab:
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  - Wool loss
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- Diagnosis based on examination of samples from affected animals:
    - Mites: skin scrapings and ELISA
    - Lice: Fleece from affected area

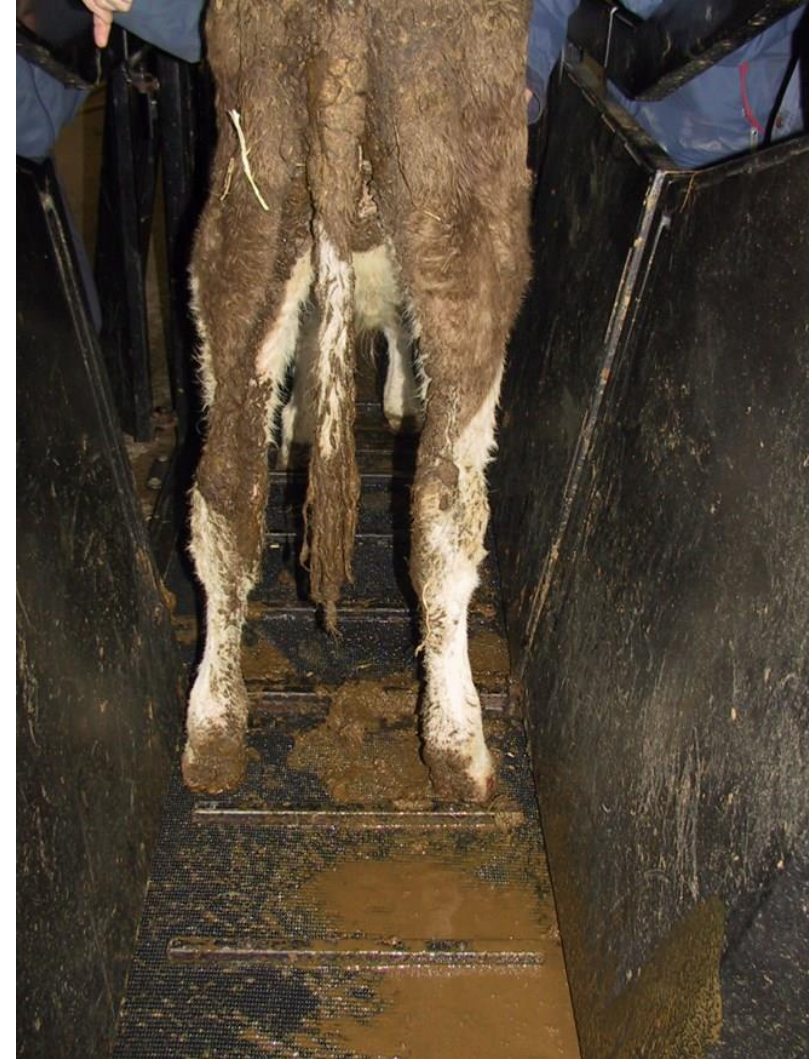


# Ectoparasite control in sheep

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- Louse infestations may indicate underlying problem
- Diagnosis based on examination of samples from affected animals:
  - Mites: skin scrapings
  - Lice: Fleece from affected area
- Treatment:
  - Mites: injectable group 3-MLs
    - Protection periods vary
  - Topical Synthetic Pyrethroids
    - Most effective in shorn sheep
- For more information and advice please speak to your vet or SQP

# Cattle: Treatment at housing (1)

- Consider treatment of youngstock against encysted larval infections
  - Infections accumulate towards the end of the grazing season
  - Triggered mass emergence in late winter/ early spring may cause type-2 ostertagiosis
- Cannot be assessed by worm egg count
- Treat with a licenced product



# Cattle: Treatment at housing (2)

- Ectoparasites common in housed cattle
- Signs generally mild and well tolerated
- Occasionally cause severe disease
- Treat with Synthetic Pyrethroids or group 3-MLs
  - Choice of product and route of administration varies with parasite
- For more information on treatment diagnosis and control speak to your vet or SQP, see the COWS group guidelines and NADIS information page.



# Quiz

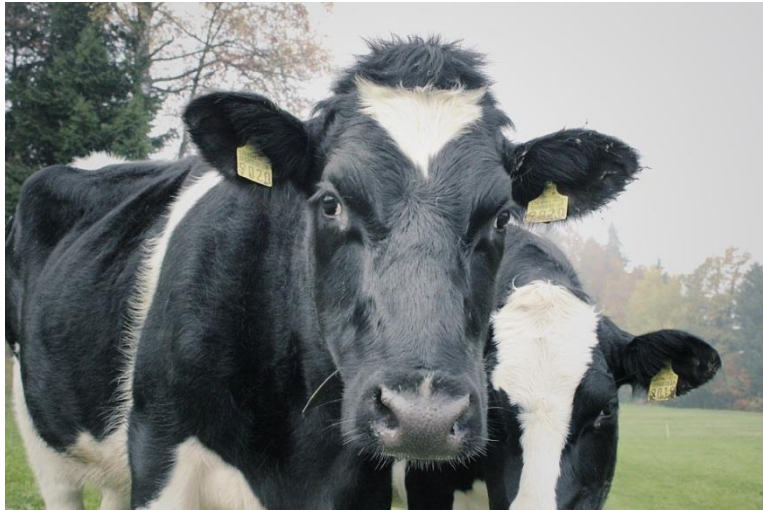
Click on the link below to answer a short quiz and print your  
Advanced Livestock Skills certificate



## Are you a sheep or dairy cattle farmer?

Please consider completing the survey below to help inform anthelmintic (dewormer) resistance management in Europe. There is an option to complete the survey in English or Welsh. Thank you!

<https://liverpool.onlinesurveys.ac.uk/combar-dairy-survey>



<https://liverpool.onlinesurveys.ac.uk/combar-sheep-survey>



UNIVERSITY OF  
LIVERPOOL

COMBAR  
combating anthelmintic  
resistance in ruminants

**NADIS**  
Animal Health Skills

*Plan for health – ask your vet for a veterinary health plan*

# About this webinar

- The NADIS parasite forecast is published monthly
- Based on detailed Met Office data
- Supported by Quality Meat Scotland (QMS)
- Many thanks to Phil Scott and others for their clinical images