

NADIS Parasite Forecast webinar for July 2018



Focus for this month:

- Sheep
 - Monepantel resistance
 - PGE
 - Haemonchosis
- Cattle
 - PGE
 - Lungworm

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About this webinar

- The NADIS parasite forecast is published monthly
- Based on detailed Met Office data
- Sponsored by Merial Animal Health and QMS
- Many of the clinical images provided by Phil Scott



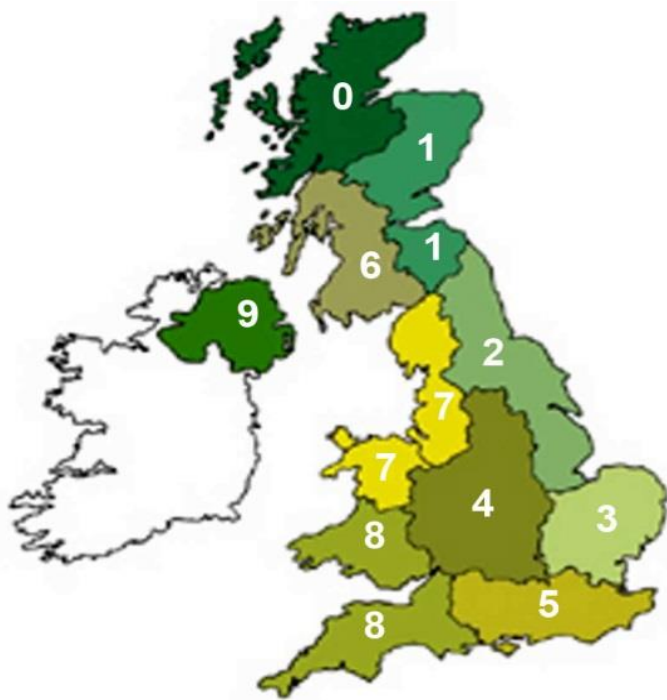
Monepantel resistance in the UK



- A recent study has confirmed monepantel (trade name Zolvix) resistance in a UK sheep flock for the first time
- Orange (4-SA) and Purple (5-SI) wormers
 - Reserved for quarantine treatments and break drenches
 - To prolong the lifespan of older worming products on farm
- Report emphasises the importance of ongoing discussion between clients, veterinarians and SQPs
 - Planning integrated, sustainable parasite control strategies (SCOPS guidelines)
 - Monitoring for anthelmintic resistance

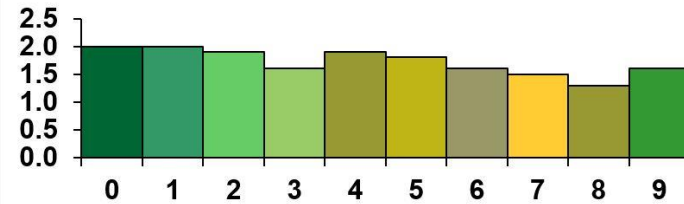


Weather summary



Temperature

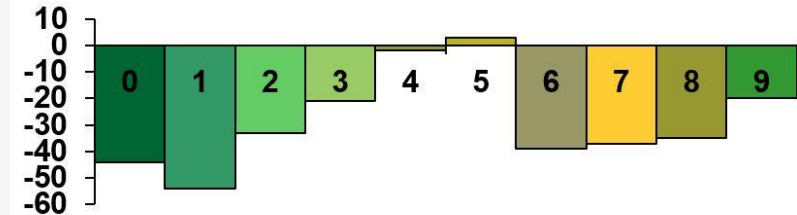
as °C above below long-term regional average (1981-1990)



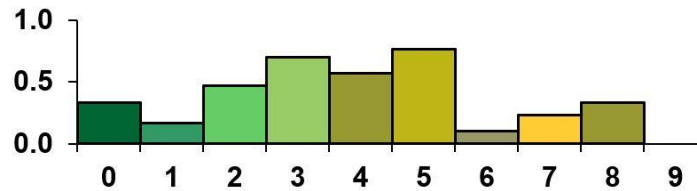
May 2018

Rainfall

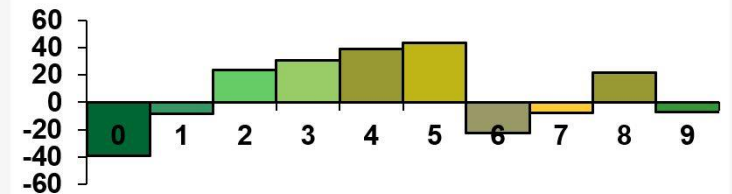
as % above below long-term regional average (1981-1990)



May 2018



March - May 2018



March - May 2018

Sheep: Parasitic Gastroenteritis

- Weaning lambs grazing contaminated grazing are at risk during the summer months
- Monitor for signs of PGE
 - Liveweight gain
 - Faecal egg counts
- Move animals to “safe” grazing
- If treating, consider SCOPS guidelines:
 - Targeted selected treatments (TST)
 - Dose wormer by weight
 - Check calibration of dosing guns/syringes
 - Rotate worming products
- Check treatment efficacy
 - Pre- and post-treatment faecal egg counts
- If treating AND moving animals to safe pasture, delay movement by 4-5 days



Sheep: Haemonchosis

- Sporadic disease
- Outbreaks sudden and severe
- Caused by blood feeding of adult worms
- Females are prolific egg layers
 - Up to 10,000 eggs per day
- Both lambs and adult sheep are considered at risk
- Monitor for signs of disease
 - High worm egg counts
 - Post-mortem
- Treatment with most wormers is effective



Sheep: Blowfly and *Monezia* tapeworms

- Blowfly strike is a major risk during the summer months
- Particularly in animals with soiled fleece
 - Appropriate parasite control is advised to reduce this risk
- A number of spot-on and pour-on preparations are available for prevention and treatment of blow fly strike
- For a more detailed report please visit the dedicated NADIS blowfly forecast on this website
- Segments of *Monezia* spp tapeworms may be observed in lamb faeces during the summer months
 - These are not considered pathogenic



Cattle: Parasitic Gastroenteritis

- First and second season calves grazing contaminated pasture at greatest risk
- Adult cattle also susceptible to heavy challenge
- Cattle strategically dosed earlier in the season should remain set stocked or move animals to “safe” grazing where available
- Monitor for signs of disease
 - Liveweight gain
 - Faecal egg counts
 - Bulk milk tank antibody ELISA
- Treating with anthelmintics:
 - In outbreaks of clinical disease treat all animals in the affected group
 - Monitoring performance through weight gain for targeted selective treatment (TST)
 - Dose by weight of each animal
 - Check calibration of dosing equipment
 - Consider rotation of worming products
- Faecal egg counts to check for effective anthelmintic dosing



Cattle: Lungworm

- Appears from June onwards
- Outbreaks associated with wet summers
 - Following periods of wet weather
- Vaccination of calves prior to turnout is recommended in areas where lungworm is known to be present
- Unvaccinated calves and animals which have not received strategic dosing earlier in the grazing season considered at risk
- Older cattle may also be at risk
 - Bought-in cattle on farms with a history of lungworm
- Monitor for infection
- Most wormers are effective against lungworm
 - Move affected animals to “safe” pastures, or house in a well ventilated area



Quiz

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