

Submitting clinician: Customer: [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted]	Request Form No.: 331930 Report Date: 12-Jul-2022 09:54:04 Owner Name and Address: [Redacted] Species: Ovine Date of Receipt: 27-Jun-2022 Date Collected: 21-Jun-2022 0:00
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PARASITOLOGY

Biobest Ref.: 3190146 **Sex:** **Animal Name:**
Case Ref.: [Redacted] **Age:** 1-3m **Sample Type:** Faeces

<u>Test</u>	<u>Result</u>	<u>Units</u>	<u>Reference Interval</u>
Trichostongyle	480	Epg	
Nematodirus battus	330	Epg	
Nematodirus – other (not N. battus)	<15	Epg	

Biobest Ref.: 3190296 **Sex:** **Animal Name:** [Redacted] - Post
Case Ref.: [Redacted] **Age:** **Sample Type:** Faeces

<u>Test</u>	<u>Result</u>	<u>Units</u>	<u>Reference Interval</u>
Trichostongyle	180	Epg	
Nematodirus battus	<15	Epg	
Nematodirus – other (not N. battus)	<15	Epg	

Comment:

Post-treatment sample report 12Jul22:

Fourteen samples received from group identified as 'mid-March onwards'. The group has remained unchanged since the pre-treatment sample was collected. The group comprises 150 sheep. Samples were collected on 04 July 2022. The samples were pooled at the laboratory and given unique reference 3190296.

The following information was provided on the post-treatment submission form:

Product used: white wormer
 Route of administration: oral drench
 Date of treatment: 21 June 2022

The faecal egg count results show the following and this is presented in graph form in the separate Wormer Treatment Check Results Report Form which should form the basis of discussion between farmer and vet.

100% reduction in Nematodirus spp. eggs
 62.5% reduction in Trichostrongyle-type eggs

Where % reduction is over 90%, then the Worming Treatment Check has been effective at eliminating the majority of

gastrointestinal nematodes. Maintaining efficacy through appropriate use is key for the future.

Where % reduction is less than 90%, then it indicates the treatment was not fully effective. Though it is important to remember that this may be due to factors involving storage / drug administration / sampling or it may be consistent with anthelmintic resistance. There is further information in the checklist included in the separate Results Report Form to determine the reliability of testing.

Treatment information provided on the submission form as follows:

Expiry date of product: 02/2024

Was the product was stored in a cool, dry place? Yes, always

Was the dosing gun calibrated? yes to this product

How was animal weight calculated? some in the group were weighed

If using weigh scales, were they calibrated recently? yes last year

How was dosing applied? set to heaviest

Volume administered 8ml (30-40kg BW)

What other treatments have been provided? white wormer (1BZ) four weeks previous

Please contact us if you wish to discuss this report.

Rebecca Mearns MAVetMB CertSHP MRCVS

RCVS Advanced Practitioner in Sheep Health and Production

Pre-treatment sample report 27Jun22:

Fifteen samples received from Texel cross lambs aged 1 to 3 months, group identified as 'mid-March born'. The group comprises 90 ewes and their lambs. Samples were collected on 21 June 2022. They were received at the lab on 27 June 2022. The samples were pooled at the laboratory and given unique reference 3190146.

The following information was provided on the pre-treatment submission form:

Product used: white wormer (benzimidazole)

Date of treatment: 21 June 2022

Health status of sampled sheep: few with diarrhoea

These sheep have had previous anthelmintic treatment with a white wormer and this was 3 to 6 weeks ago.

Moderate Trichostrongyle-type egg count in the composite sample.

Moderate *Nematodirus battus* egg count in the composite sample.

No other *Nematodirus* spp. eggs detected in the composite sample.

Worm egg counts can be used to demonstrate the presence of adult worms in the gastro-intestinal tract of the animal.

However, counts can be influenced by several factors including age, nutrition, faecal consistency, timing of sampling and species of parasites present. Worm egg counts do not always accurately reflect worm burdens and should be interpreted in the light of grazing management, treatment history and clinical signs.

Nematodirus battus and other *Nematodirus* spp. Others are not able to be differentiated on the basis of egg morphology and are included in the *Trichostrongyle* count and this includes *Teladorsagia*, *Trichostrongylus*, *Cooperia* and some with high pathogenicity such as *Haemonchus*.

Broadly, when used for monitoring the Trichostrongyle count should be interpreted as:

<250 - low level of infection; anthelmintic treatment is not usually warranted

250-750 - moderate level of infection; anthelmintic treatment may be beneficial

>750 - high level of infection; anthelmintic treatment is recommended

Based on a treatment date of 21 June 2022 then the post-treatment samples should be collected 14 days after treatment on 05 July 2022. An email will be sent the day before samples should be collected as a reminder.

This report is uniquely identified by the request form number and the date of issue.

Samples will be stored for one month.

If you submit a second sample from any animal, please quote our ref. number so we can titrate both samples together.

Unless otherwise indicated, all samples were received by Biobest Laboratories Ltd in good condition.

Survey data:

Have you heard of, or do you use SCOPS principles? Yes

Do you think all wormers are working well in your sheep? Don't know - not tested

Have you previously evaluated whether worm treatments are working in your sheep? No, not tested

Please contact us if you wish to discuss this report.

Rebecca Mearns MAVetMB CertSHP MRCVS

RCVS Advanced Practitioner in Sheep Health and Production

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