

CYDECTIN 20mg/ml LA

Solution for Injection for Sheep

PERSISTENT ACTION AGAINST SCAB

Proven to protect

CYDECTIN LA for Sheep has been proven to treat scab infestations and to prevent re-infestations for 60 days from a single injection. No other product provides this length of persistency¹.

Product	No. shots for scab treatment	Move to new pasture	Days licensed persistency
CYDECTIN LA for Sheep	1	No	60 days scab persistency
CYDECTIN 1% Injection for Sheep	2	No	28 days scab persistency
Doramectin Injection (sheep claims)	1	Yes	0 days scab persistency
Ivermectin Injection (sheep claims)	2	Yes	0 days scab persistency
Scab mite survival off host			17 days

Treatment of scab – in 1 shot

This UK-based study was conducted to assess the efficacy of CYDECTIN LA for Sheep in the elimination of scab mites from infested animals with a single injection.

The results of this study demonstrated that a single treatment with CYDECTIN LA for Sheep was 100% effective in treating a natural outbreak of the sheep scab mite *Psoroptes ovis* under field conditions in the UK.

Days post-treatment	Number of animals	Animals with live <i>P. ovis</i>	Animals with touch sensitivity
Start of trial day 0	53	37 (<10 to >50)	23 (43.4%)
+21	49	0	0
+35	49	0	0
+56	41	0	0
+70	40	0	0

Efficacy of a single treatment with CYDECTIN LA for Sheep against a field outbreak of sheep scab (*Psoroptes ovis*): Study 0982-O-UK-01-05

PERSISTENT ACTION AGAINST WORMS

STUDY RESULTS

A study to determine the impact of CYDECTIN LA at lambing time²

CYDECTIN LA Injection has the longest duration of persistent action against worms. A study was performed to determine the impact of CYDECTIN LA at lambing time on:

- The 'Spring Rise' in ewe worm egg counts
- The implications of this for the level of infection of their lambs

Study design

171 ewes were split into 4 similar groups:

- 2 groups were treated with CYDECTIN LA for Sheep
- 2 groups were treated with CYDECTIN Oral Drench

Ivermectin (IVM) resistance had been confirmed previously on the farm.

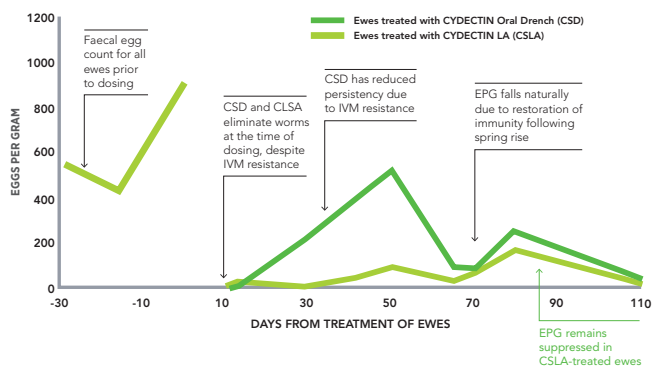
All 4 groups were grazed separately on pastures that had been matched for similar levels of worm contamination using pasture larval counts.



Monitoring the outcome

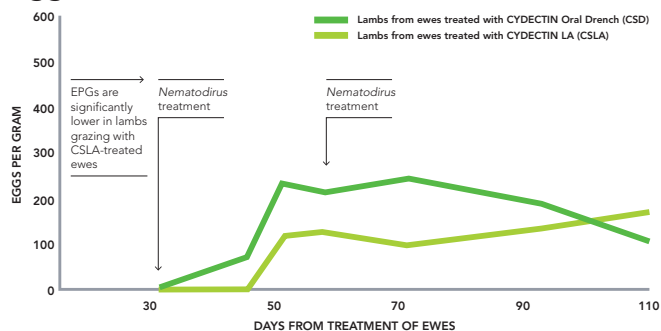
Worm egg output was monitored in dung from the ewes and the lambs.

Results – ewe faecal egg counts (±SEM)



- Both CYDECTIN Oral Solution and CYDECTIN LA were effective in the ewes at treatment. This shows moxidectin working in the face of IVM resistance.
- Ewe faecal egg counts rose more quickly in sheep treated with CYDECTIN Oral Solution, as it has a shorter persistency than CYDECTIN LA.
- Ewe egg counts from sheep treated with CYDECTIN LA remained low for 110 days, in line with the persistency claims.

Results – lamb faecal trichostrongyle egg counts (±SEM)



- Faecal worm egg output for all lambs was relatively low, given they were all from ewes treated with a persistent wormer and the lambs were not treated for stomach worms.
- Lambs from CYDECTIN LA-treated ewes had a lower worm challenge and a lower faecal worm egg output than lambs from CYDECTIN Oral Solution-treated ewes.

1. CYDECTIN LA for Sheep data sheet.
2. Sargison N.D, et al., Vet.Parasitol (2012), doi: 10.1016/j.vetpar.2012.04.020