

AR in sheep on Lolland - a short summary

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The Danish law regarding wormers

- **Prescription only**
- **And** only prescription if there is a faecal eggcount from the vet or the state lab **and** the vet has a in-depth knowledge of the flock (been on the farm within the last 3 months)
- Or the vet is on the farm and can see there is a problem
- Not allowed to store the wormer for more than 5 days

Problems in Denmark

- Only BZ in *oral* formulations on the market (LV only injectable on dispensation)
- Only Valbazen on the market for flukes!
- Little knowledge about how to slow down the selection pressures on the wormers
- So **THANKS** a lot for this initiative 😊

Nematodes in sheep in Denmark

- *Teladorsagia circumcincta*
- *Haemonchus contortus*
- *Nematodirus battus*

Lots of lambs in Denmark don't thrive because of nematodes

FECRT

4 flocks in my practice

30 lambs in each flock (EPG>200)

10 treated with 1 - BZ

10 treated with 2 - LV

10 treated with 3 - ML

8-10 days later tested again

	Before, total	After, total	% reduction
Johnny Larsen			
Gr. 1	11760	340	97%
Gr. 2	4120	0	100%
Gr. 3	3100	0	100%
Hans Erik Jensen			
Gr. 1	2540	220	91%
Gr. 2	12.300	0	100%
Gr. 3	13.940	0	100%
David Wootton			
Gr. 1	22.220	900	96%
Gr. 2	30.940	0	100%
Gr. 3	23.560	60	100%
Krenkerup			
Gr. 1	14.000	2620	82%
Gr. 2	25.040	340	99%
Gr. 3	12.060	375	98%

I do

- FEC for the sheepfarmers and free FEC after treatment
- FEC – courses where farmers get a microscope and learn how to do a FEC
- Famacha card translated to Danish
- The right dose – weigh lambs and check of dosing gun
- Refugia/dilution
- Dose and delay moving 4-7 days or leave 10-20% untreated (Cydectin)
- Leave the best – treat the rest
- Weigh the lambs over the summer ED ear tags

I do not do

- Quarantine treatment.....
- Yearly rotation??
- Sheep and goats together
- Dosing technique
- Restrict feed before dosing

I would like

- Get a oral LV on the Danish market.....
- Get a oral Ivomectin on the Danish market.....
- Breeding for resistance??

Two breeding flocks with microscopes are interested but how? Test the ewes every 2 weeks over the summer?

The 3 most important factors to delay AR

- Administration of the drug – use scale when estimating the weight - not guessing - to avoid underdosing
- Dilution/refugia
- FEC to reduce the frequency of treatments

Thanks for your attention

