

SCOPS

Sustainable Control of Parasites in Sheep

CURRENT KNOWLEDGE OF BEST PRACTICE FOR PROMOTING PRUDENT USE

FOCUS GROUP MEETING

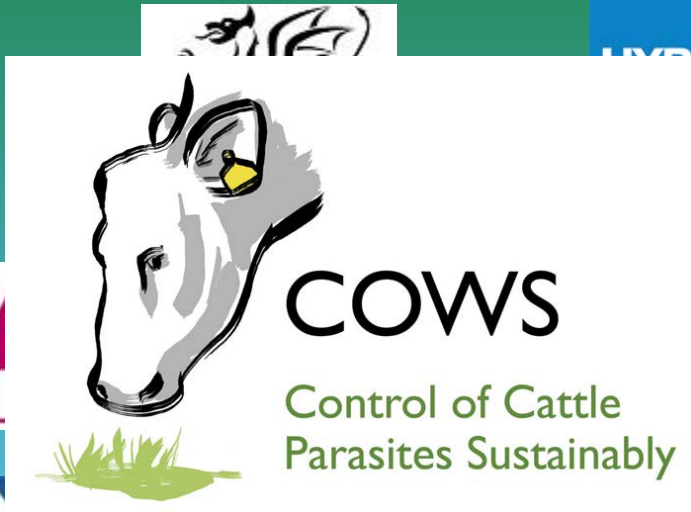
Revision of the reflection paper on anthelmintic resistance

13th June 2016

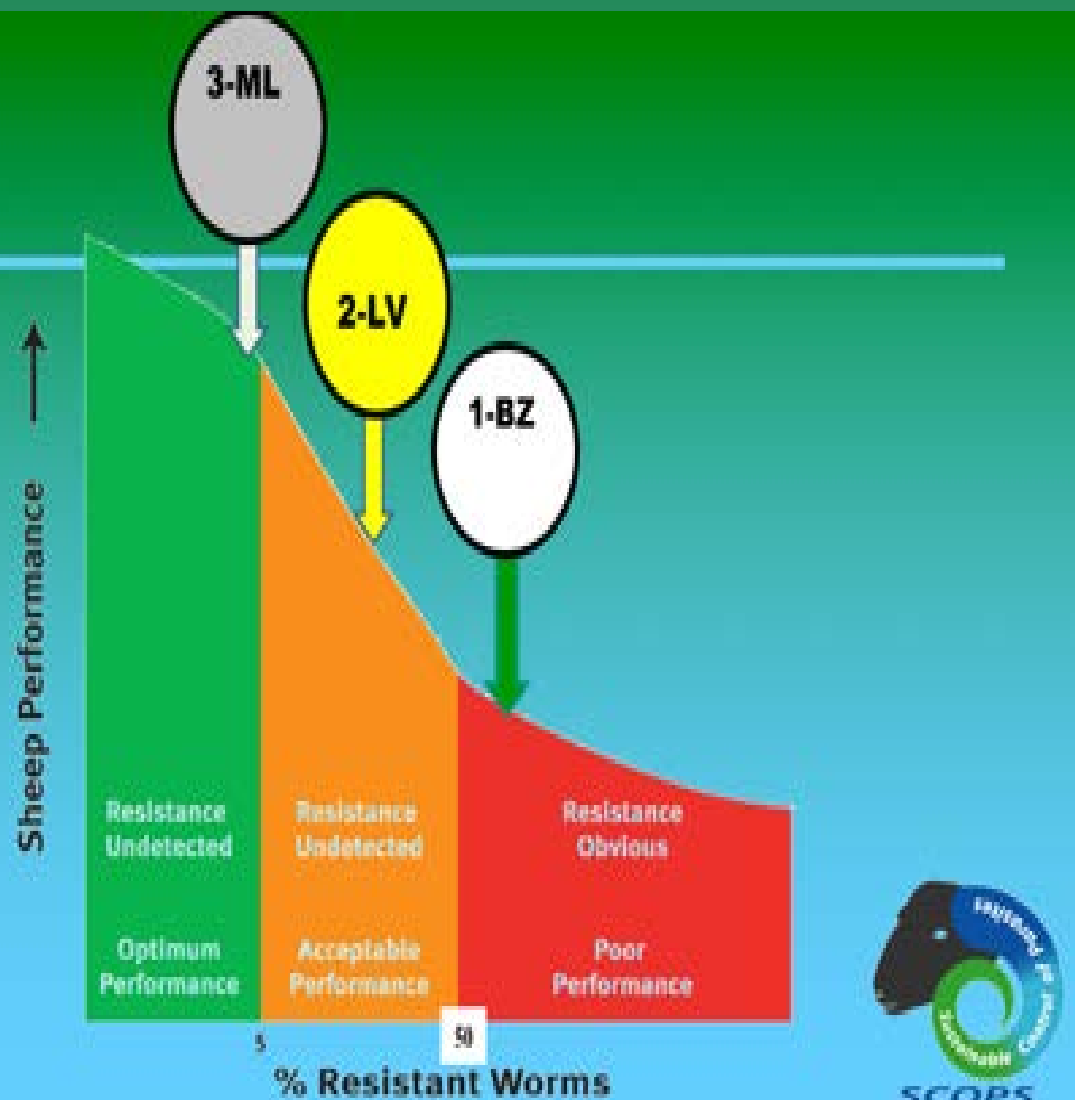
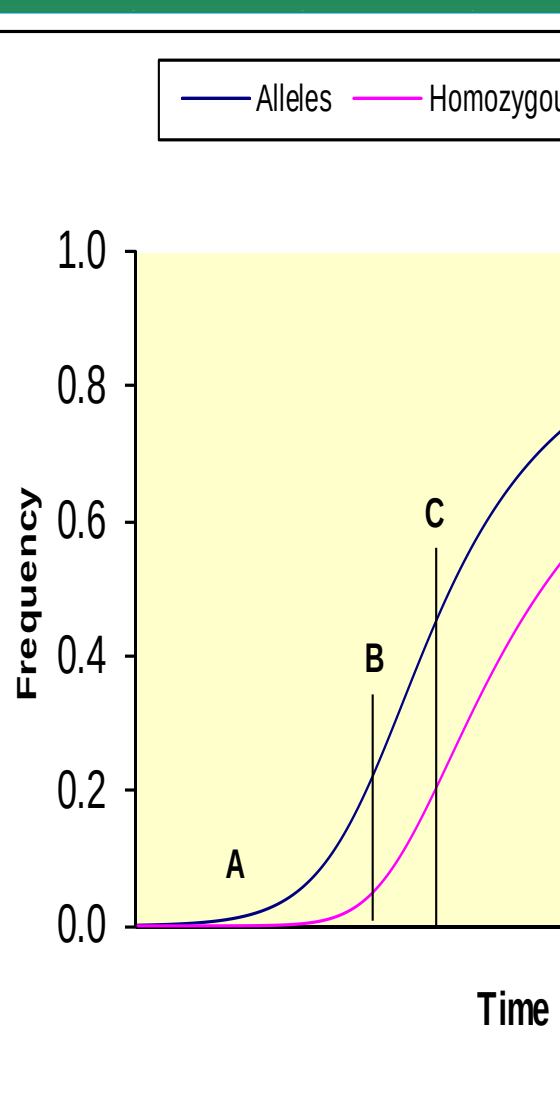
Lesley Stubbings OBE; BSc Hons; FRAGs



Who/what are SCOPS?



Early Intervention is Key to Success



SCOPS are committed to reducing reliance on anthelmintics:

- Grazing strategies - reduced challenge, avoidance tactics and bioactive forages.
- Nutrition and acquired immunity
- Quarantine protocols to avoid importation of AR and parasites.
- Monitoring and contamination mapping.
- Breeding for 'resistance' (strong acquired immunity) and/or resilience



Three Main Selection Pressures:

1. Under dosing – ineffective treatments caused by incorrect dose rate and/or technique. Oral, injectable preparations and particular concern regarding topical (pour-ons) in cattle.
2. Over-use – unnecessary or inadvertent treatments (e.g. endectocides and combination products, treatment of adult animals). Use of ineffective treatments.
3. Low refugia – failure to mitigate the effects of treatment through dilution of survivors.
E.g. 'Dose and move' / 'poo picking' in horse paddocks.



Sheep Scab is a Major Threat in the UK



WAARD* Results (2015)

	Benzimidazoles (1BZ)	Levamisole (2LV)	Ivermectin (3ML)	Moxidectin
Farm Count	20	20	20	20
No of farms with detected resistance	20	15	16	8
Farms with resistance (FECRT<95%)	100%	75%	80%	40%



* Wales Against Anthelmintic Resistance Development



Broad Spectrum Anthelmintics

Group 1

(BZ)

Benzimidazole

s

White
Drenches

Group 2

(LV)

Levamisoles

Yellow
Drenches

Group 3

(ML)

Macrocyclic-
lactones

Clear Drenches

Group 4

(AD)

Monepantel

Orange
Drench

Group 5

(SI)

Derquantel +
abamectin

Purple Drench



Use of the 4-AD and 5-SI groups of anthelmintics

Quarantine



Mid / late season 'reset'





Motivation?



#10842654

If we can measure it, we can manage it.



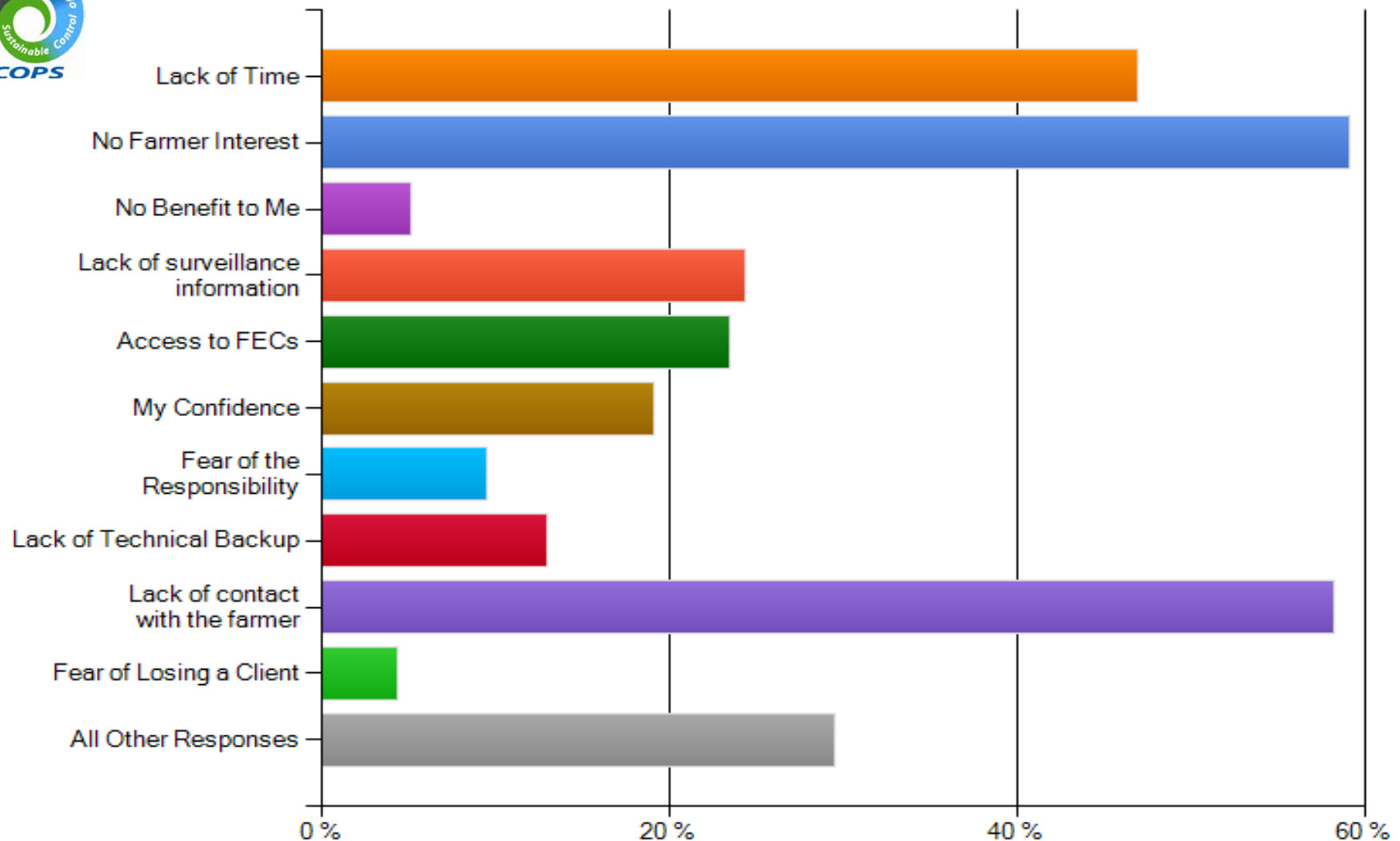
Measuring performance
Indicators – early intervention.



Waiting for clinical signs....

Market research – vet responses

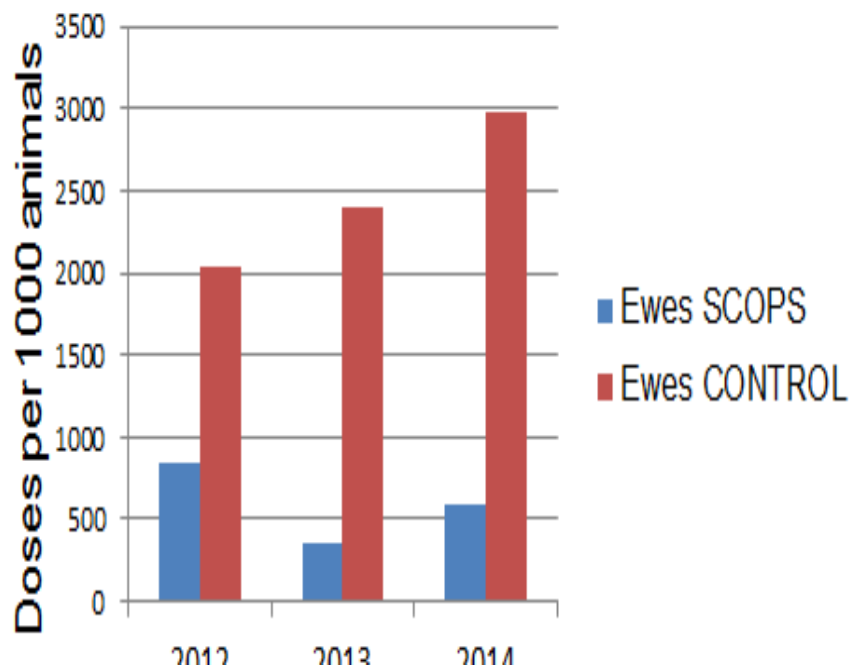
What barriers are there to you successfully promoting/implementing SCOPS principles?
(Tick all that apply)



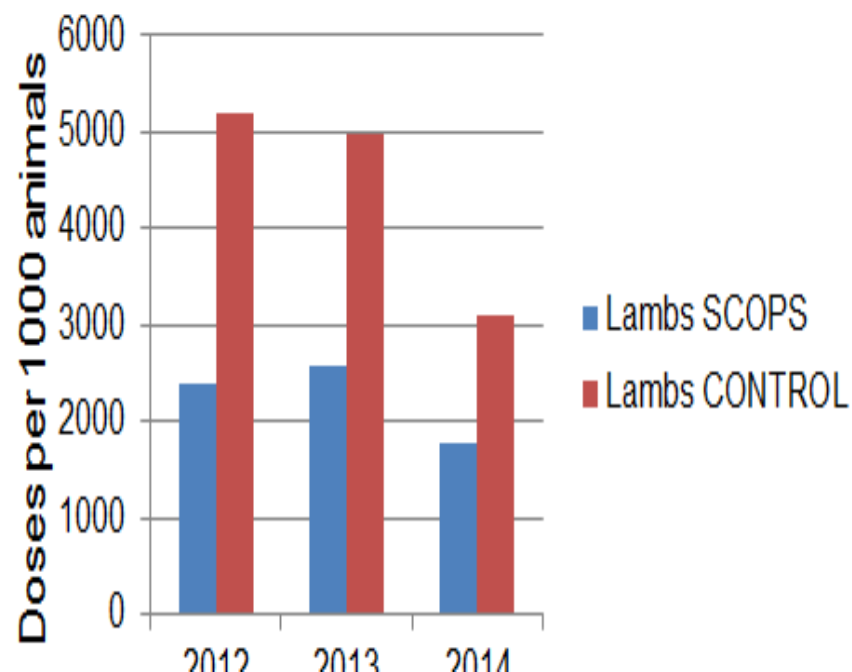
SCOPS in Practice – does it work?

(VMD funded project)

Anthelmintic Use



Anthelmintic Use



More information on SCOPS at:

www.scops.org.uk

