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**Resistance delaying strategies on UK sheep farms: A cost benefit analysis.**

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**Highlights**

SCOPS worm control led to an economic benefit to farms with medium and large flocks when production benefits were included in the analysis.

Key innovations are identified that will improve the cost effectiveness of a diagnostic driven control strategy.

Designing treatment options that improve production outcomes and present them in a clear and transparent way will aid effective delivery of messages to farmers.

**Abstract**

UK guidelines for the sustainable control of parasites in sheep (SCOPS) were formulated with the primary aim of delaying development of anthelmintic resistance (AR) on UK sheep farms.

Promoting their use requires the engagement and commitment of stakeholders. An important driver for behavioural change in sheep farmers is evidence of economic benefits. A recent evaluation of SCOPS guidance in practice demonstrated a significant reduction in anthelmintic use, suggesting economic benefits through a direct reduction in product and labour costs. However, in order to maintain production, a range of alternative control strategies are advised, resulting in additional

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