

Tison

DOUBLE ACTIVE SPOT-ON FOR SHEEP

EFFICACY STUDY

Tison is a safe, highly effective and easy to use anthelmintic for all classes of crossbred sheep.

As part of the development of a double active spot-on for sheep extensive trial work has been carried out across New Zealand demonstrating excellent efficacy. These studies covered a number of environments, wool lengths and worm species.



Helensville Trial 2017

- 3 month old Coopworth mixed sex lambs with 4-5 cm wool
- 8 animals per treatment group
- Treatment Groups: Eprinomectin/Levamisole Spot-On, Matrix Hi-Mineral[®] and Switch Hi-Mineral[®]
- Animals treated and then slaughtered 10 days later for total post treatment gastrointestinal worm counts

GEOMETRIC MEAN % REDUCTIONS - TOTAL WORM COUNT

GROUP	<i>Teladorsagia</i> <i>spp.</i>	<i>Haemonchus</i> <i>contortus</i>	<i>Trichostrongylus</i> <i>axei</i>	<i>Nematodirus</i> <i>filicolis</i>	<i>Trichostrongylus</i> <i>spp.</i>	<i>Cooperia</i> <i>curticei</i>
Eprinomectin/ Levamisole Spot-On	99.0	99.6	99.5	99.9	99.3	99.9
Matrix Hi-Mineral [®]	82.7	99.9	99.5	99.9	99.3	99.9
Switch Hi-Mineral [®]	67.9	99.5	99.5	99.9	99.3	99.9

In this study Eprinomectin/Levamisole Spot-On demonstrated superior efficacy against parasites resistant to triple combination oral drenches.

Matrix Hi-Mineral[®] Registered pursuant to the ACVM Act 1997 No. A009390. Switch Hi-Mineral[®] Registered pursuant to the ACVM Act 1997 No. A009970.

Otago Trial 2016

- 10 month old Romney hoggets, 3-4 cm wool length
- 10 animals per treatment group
- Treatment Groups: Eprinomectin/Levamisole Spot-On and an abamectin/levamisole combination oral
- Pre-treatment faecal egg count and post treatment Faecal Egg Count (FEC) 9 days later

ARITHMETIC MEAN FEC (% REDUCTION)

GROUP	DAY	
	0	9
Eprinomectin/Levamisole Spot-On	59.5	0 (100%)
Saturn Sheep HiMin	80.5	10.5 (91%)
Untreated Control	108.5	160.9

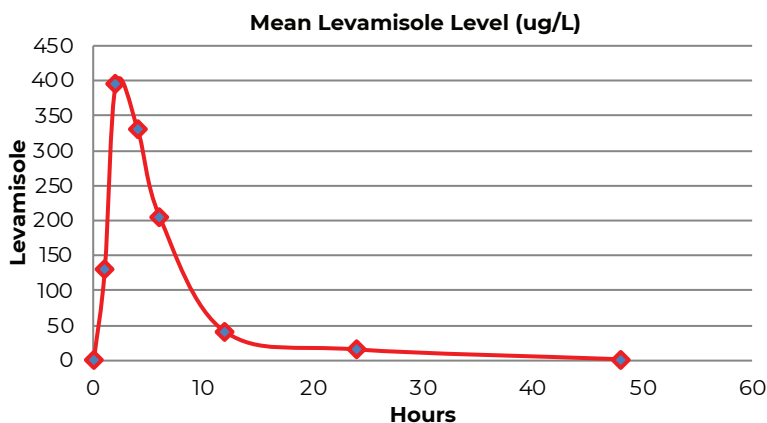
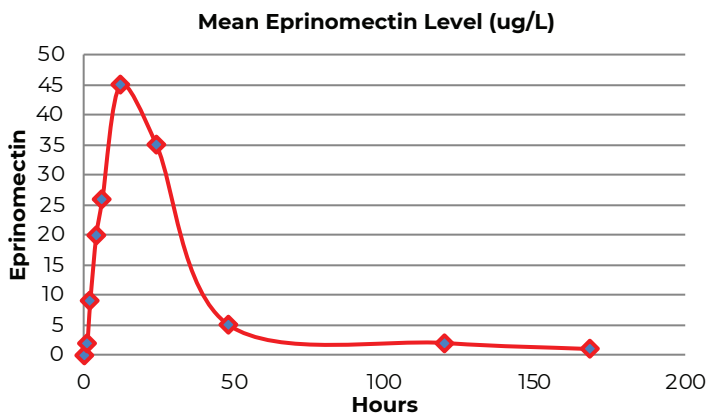
This study showed superior efficacy of Eprinomectin/Levamisole Spot-On against parasites with resistance to an Abamectin/Levamisole oral combination.



Pharmacokinetic studies demonstrate absorption of both active ingredients

In this study Eprinomectin/Levamisole Spot-On also demonstrated efficacy against parasites resistant to an oral drench containing both abamectin and levamisole.

Blood levels of both active ingredients demonstrated their absorption in pharmacokinetic studies. These levels were higher than the levels published for comparable products overseas. In these studies the product also showed > 99% efficacy against a variety of the major worm species impacting sheep in New Zealand.



Tison Double Active Spot-On for Sheep

Tison contains two broad-spectrum anthelmintics from different drench families. Eprinomectin is a member of the macrocyclic lactone drench family and levamisole is an imidazothiazole. For the treatment and control of susceptible gastrointestinal roundworms and lungworm in crossbred sheep.

Product Features

- Quick and easy drenching with less stress on the animals and reduced yard time
- Has demonstrated excellent efficacy against sheep parasites including parasites resistant to oral, white combination products
- Contains a novel combination of eprinomectin and levamisole
- Safe, highly effective and easy to use anthelmintic for all classes of crossbred sheep

Active Ingredients

15 g/L Eprinomectin and 26 g/L Levamisole.

Withholding Periods:	Meat	16 Days
	Milk	35 Days

Dose Rate:	1mL/2.5kg
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Pack Size:	10L
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ACVM Act 1997 No. A011955. Patent pending 619027.

Inovata[®]

