

fact sheet



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A triple combination oral drench containing 1g/L ABAMECTIN, a member of the macrocyclic lactone family of chemicals (mectin drenches), 22.7g/L OXFENDAZOLE, a member of the benzimidazole family of chemicals (white drenches), and 33.9g/L LEVAMISOLE (as levamisole hydrochloride), a member of the imidazothiazoles family of chemicals (clear drenches). It also contains 0.5g/L SELENIUM (as sodium selenate) and 2.2g/L COBALT (as cobalt disodium EDTA).

- Broad spectrum
- Assists in the management of chemical resistance
- Effective quarantine drench
- Standard dose rate

BROAD SPECTRUM

At the recommended dosage level, **HAT-TRICK Triple Combination Drench** provides treatment and control of the following sheep roundworms, sensitive to at least one of the three deworming agents contained in the product.

Adult and immature gastro-intestinal roundworms

Barber's Pole worm (*Haemonchus contortus*)*
Small Brown Stomach Worm (*Teladorsagia (Ostertagia) circumcincta*)*
Stomach Hair Worm (*Trichostrongylus axei*)
Black Scour Worm (*Trichostrongylus* spp)
Small Intestinal Worm (*Cooperia* spp)*
Thin Necked Intestinal Worm (*Nematodirus* spp)
Hookworm (*Bunostomum trigonocephalum*)
Intestinal Threadworm (*Strongyloides papillosus*)
Large Bowel Worm (*Oesophagostomum venulosum*)
Large Mouth Bowel Worm (*Chabertia ovina*)
Nodule Worm (*Oesophagostomum columbianum*)
Whipworm (*Trichuris ovis*)

*including inhibited fourth stage larvae

Lungworm (*Dictyocaulus filaria*)

HAT-TRICK Triple Combination Drench also controls:

Nasal Bot (*Oestrus ovis*) - parasitic larval stages only
Itch Mite (*Psorergates ovis*)

ASSISTS IN THE MANAGEMENT OF CHEMICAL RESISTANCE

Resistance may develop to any drench. However, studies have shown that using combination drenches, such as **HAT-TRICK Triple Combination Drench**, can significantly delay the development of resistance. **HAT-TRICK Triple Combination Drench** is active against sheep roundworms that have single or dual resistance to the macrocyclic lactone (including moxidectin), benzimidazole or imidazothiazole (levamisole) families of chemicals. **HAT-TRICK Triple Combination Drench** may have limited efficacy where Barber's Pole Worm (*Haemonchus contortus*) is resistant to moxidectin, benzimidazoles and imidazothiazoles.



EFFECTIVE QUARANTINE DRENCH

HAT-TRICK Triple Combination Drench can be used as a quarantine drench to prevent the introduction of resistant strains of roundworms onto a property. When used as a quarantine drench, it is advisable to hold treated sheep in treatment yards or on contaminated paddocks for at least 24 hours before introduction to paddocks.

STANDARD DOSE RATE

The dose rate of 1mL/5kg bodyweight is the same low dose of traditional drenches and application is by the oral route using any standard drenching equipment. This makes drenching with **HAT-TRICK Triple Combination Drench** easy and simple. At the given dose rate, **HAT-TRICK Triple Combination Drench** delivers 0.2mg abamectin, 4.5mg oxfendazole, 6.8mg levamisole (8mg levamisole hydrochloride), 0.1mg selenium and 0.44mg cobalt per kg bodyweight.

| Liveweight | Dose | 5L treats | 10L treats |
|------------|------|-----------|------------|
| 16-20kg | 4mL | 1250 | 2500 |
| 21-25kg | 5mL | 1000 | 2000 |
| 26-30kg | 6mL | 833 | 1666 |
| 31-35kg | 7mL | 714 | 1428 |
| 36-40kg | 8mL | 625 | 1250 |
| 41-50kg | 10mL | 500 | 1000 |
| 51-60kg | 12mL | 416 | 833 |
| 61-70kg | 14mL | 357 | 714 |
| 71-80kg | 16mL | 312 | 625 |

HAT-TRICK Triple Combination Drench should be shaken well before use.

ANIMAL SAFETY

Selenium can have toxic effects, particularly in sheep with liver damage that graze in areas where plants such as heliotrope (*Heliotropium europaeum*) and Paterson's curse (*Echium plantagineum*), which contain pyrrolizidine alkaloids, are present. Use only in areas of known selenium deficiency and seek veterinary advice to establish selenium deficiency before use. Do not add additional selenium to the drench and do not use at the same time as other selenium treatments (e.g. selenised vaccines, drenches or pellets, pasture top dressing) without consulting a veterinarian. Do not administer selenium supplements at intervals less than three weeks or within one year of long-term selenium bullet or capsule treatment.

Because **HAT-TRICK Triple Combination Drench** contains levamisole, exercise care in handling weak, pregnant and young animals to avoid unnecessary stress. Avoid yarding animals off-feed overnight and ensure animals have access to water when yarded prior to drenching. Stress and lack of feed or water may enhance the chance of levamisole toxicity, even with the recommended dose. Recommended doses should not be exceeded, except under veterinary supervision.

Some sheep may cough slightly after treatment. This passing response is of no consequence.

Do not administer **HAT-TRICK Triple Combination Drench** to sheep that are dehydrated or unwell and do not use in lambs under 6 weeks of age or less than 15kg bodyweight.

WITHHOLDING PERIODS

MEAT: 14 days

EXPORT SLAUGHTER INTERVAL (ESI): 28 days

MILK: DO NOT USE in ewes which are producing or may in the future produce milk or milk products for human consumption.

PACK SIZES AVAILABLE

5L Backpack

10L Drum

