



TECHNICAL NOTES

Pentamox[®]

Mineralised Oral Drench for Sheep



Active Constituents

1 g/L MOXIDECTIN
1 g/L IODINE
0.2 g/L COBALT
2.1 g/L COPPER
0.6 g/L ZINC
0.5 g/L SELENIUM

Actions

Mineralised oral drench for the treatment of susceptible gastrointestinal and pulmonary nematodes and itchmite of sheep. Each 10 mL dose also contains 10 mg iodine, 5 mg selenium, 2 mg cobalt, 21 mg copper and 6 mg zinc.

PENTAMOX MINERALISED ORAL DRENCH FOR SHEEP contains moxidectin, a member of the macrocyclic lactone family. It is effective against nematodes with resistance to other anthelmintics (including benzimidazoles, levamisole and morantel).

PENTAMOX MINERALISED ORAL DRENCH FOR SHEEP has also shown efficacy against a number of strains of *Haemonchus contortus* and *Ostertagia* spp. that are resistant to the avermectins. However, as moxidectin shares a similar mechanism of action to the avermectins, it should not be used where avermectin resistance is present, except where specially recommended by an adviser.

Resistance can develop to any chemical. It is advisable that a resistance test be conducted regularly when using any parasite treatment. Ask your local veterinary practitioner or animal health advisor for recommended parasite management practices for your area to reduce development of resistance.





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Indications

PENTAMOX MINERALISED ORAL DRENCH FOR SHEEP is effective against sensitive strains of the following internal parasites:

Gastrointestinal Parasites: Adult and immature stages of *Haemonchus contortus*, *Ostertagia circumcincta*, *Ostertagia trifurcata*, *Trichostrongylus axei*, *Trichostrongylus colubriformis*, *Trichostrongylus vitrinus*, *Nematodirus spathiger*, *Nematodirus filicollis*, *Cooperia curticei* (adult only), *Cooperia oncophora* (adult only), *Cooperia punctata* (adult only), *Oesophagostomum venulosum* (adult only), *Chabertia ovina* (adult only), *Trichuris ovis* (adult only), *Strongyloides papillosus* (adult only), inhibited (or hypobiotic) larvae of *Haemonchus*, *Ostertagia* and *Trichostrongylus*.

Lungworm (adult and immature): *Dictyocaulus filaria*.

External parasites: Also effective against itch mite *Psorergates ovis*.

PENTAMOX MINERALISED ORAL DRENCH FOR SHEEP is not recommended for use in goats as safety and efficacy have not been evaluated in goats.

Persistent Activity

PENTAMOX MINERALISED ORAL DRENCH FOR SHEEP when used at the recommended dose rate prevents reinfection with *Haemonchus contortus* for 35 days and *Ostertagia circumcincta* for at least 21 days following a single oral dose.

Dosage and Administration

By law, the user must take due care, obtaining expert advice when necessary, to avoid unnecessary pain and distress when using the product other than as directed on the label.

Do not use at the same time as any other selenised fertiliser, prill or product without consulting a veterinarian.

Do not exceed the stated dose, or dose more frequently than 3-weekly.

Caution: In sheep, liver levels of copper may be quite variable. Consequently, there is always a risk of copper poisoning (deaths) occurring following copper supplementation in this species.

SHAKE WELL BEFORE USE

PENTAMOX MINERALISED ORAL DRENCH FOR SHEEP is ready to use through standard drenching equipment.

Administer 1 mL per 5 kg liveweight.

- Rinse gun after use.
- Draft animals into lines of similar bodyweight.
- A representative sample of animals should be weighed before treatment.
- Dose the mob to the heaviest animal by liveweight in each group (ewes, wethers, rams, lambs). Do not underdose.
- If there is a large variation in size within the group, draft into two or more lines based on bodyweight to avoid excessive overdosing.
- Correct drenching technique should be used.
- Check accuracy of drench guns regularly.

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DOSAGE GUIDE:

Dose rate: 1 mL / 5 kg liveweight to give 0.2 mg / kg moxidectin, 0.1 mg / kg selenium, 0.04 mg / kg cobalt, 0.42 mg / kg copper, 0.2 mg / kg iodine and 0.12 mg / kg zinc.

SHEEP BY ORAL DRENCH: 0.2 mg / kg moxidectin using 1 mL / 5 kg bodyweight.

LIVEWEIGHT	DOSE	10 L TREATS
15 – 20 kg	4 mL	2500
21 – 25 kg	5 mL	2000
26 – 30 kg	6 mL	1666
31 – 35 kg	7 mL	1428
36 – 40 kg	8 mL	1250
41 – 45 kg	9 mL	1111
46 – 50 kg	10 mL	1000
51 – 55 kg	11 mL	909
56 – 60 kg	12 mL	833
61 – 65 kg	13 mL	769
66 – 70 kg	14 mL	714
71 – 75 kg	15 mL	666
76 – 80 kg	16 mL	625

Sheep in excess of 80 kg to be dosed at 1 mL per 5 kg bodyweight.

Withholding Periods

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds.

MEAT: Animals producing meat or offal for human consumption must not be sold for slaughter either during treatment or within 10 days of cessation of the last treatment.

MILK: Milk intended for sale for human consumption must be discarded during treatment and for not less than 7 milkings (84 hours) following last treatment.



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Safety Directions

PENTAMOX MINERALISED ORAL DRENCH FOR SHEEP has been shown to be non-hazardous when used at the recommended dose rate and is readily accepted by sheep.

Warnings (for human handlers): May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.

Handling precautions: Do not breathe vapours. Contaminated work clothing should not be allowed out of the workplace and should be washed before reuse. Wear protective gloves and protective clothing.

First Aid

IF ON SKIN: Wash with plenty of soap and water. If you feel unwell, if exposed or concerned or if skin irritation or rash occurs: Get medical advice / attention.

Presentation

Liquid: 20 L

Storage

Store below 30°C, in original container, tightly closed and locked up, away from foodstuffs.

Registration Numbers

ACVM No. A10983

