



Product Name: MARATHON SE ORAL DRENCH FOR  
APVMA Approval No: SHEEP 92575/135923

Label Name:	MARATHON SE ORAL DRENCH FOR SHEEP
-------------	-----------------------------------

Signal Headings:	POISON KEEP OUT OF REACH OF CHILDREN FOR ANIMAL TREATMENT ONLY READ SAFETY DIRECTIONS BEFORE OPENING OR USING
------------------	--

Constituent Statements:	1 mg/mL MOXIDECTIN 0.5 mg/mL SELENIUM (AS SODIUM SELENATE)
-------------------------	---

Claims:	<p>For the treatment and control of moxidectin sensitive gastrointestinal parasites (including benzimidazole and/or levamisole resistant strains), lungworm and itchmite of sheep.</p> <p>As an aid in control of selenium responsive conditions.</p> <p>MARATHON SE ORAL DRENCH FOR SHEEP is a second generation macrocyclic lactone endectocide which is effective against internal and external parasites sensitive to this family including the following parasites of sheep. It also aids in the control of selenium responsive conditions.</p> <p>Mature (adult) and immature (L4): <i>Haemonchus contortus</i> - Barber's pole worm, <i>Trichostrongylus</i> spp. - Black scour worm, <i>Trichostrongylus axei</i> - Stomach hair worm, <i>Trichostrongylus colubriformis</i>, <i>Ostertagia</i> (<i>Teladorsagia</i>) spp. - Small brown stomach worm, <i>Ostertagia circumcincta</i>, <i>Cooperia</i> spp. - Small intestinal worm, <i>Cooperia onocophora</i>, <i>Nematodirus</i> spp. - Thin necked intestinal worm, <i>Nematodirus battus</i>, <i>Nematodirus filicollis</i>, <i>Nematodirus spathiger</i>, <i>Strongyloides papillosus</i> - Intestinal threadworm, <i>Oesophagostomum columbianum</i> - Nodule worm, <i>Chabertia ovina</i> - Large mouthed bowel worm, <i>Dictyocaulus filaria</i> - Large lungworm.</p> <p>Adult nematodes: <i>Trichostrongylus rugatus</i>, <i>Trichostrongylus vitrinus</i>, <i>Cooperia curticei</i>, <i>Nematodirus abnormalis</i>, <i>Nematodirus helvetianus</i>, <i>Ostertagia trifurcata</i>, <i>Oesophagostomum venulosum</i> - Large bowel worm, <i>Trichuris ovis</i> - Whipworm. Ectoparasites: <i>Psorergates ovis</i> - Itchmite.</p> <p><b>PERSISTENT ACTIVITY</b> MARATHON SE ORAL DRENCH FOR SHEEP when used as recommended prevents:</p> <ul style="list-style-type: none"><li>• Reinfection with <i>Haemonchus contortus</i> worms for at least 14 days and pasture contamination by <i>H. contortus</i> eggs for at least 30 days after a single treatment;</li><li>• Reinfection with <i>Ostertagia</i> spp. worms for at least 14 days and pasture contamination by <i>Ostertagia</i> eggs for at least 35 days after a single treatment.</li></ul>
---------	---

MARATHON SE ORAL DRENCH FOR SHEEP is effective against benzimidazole and levamisole resistant strains of *H. contortus*, *T. colubriformis* and *O. circumcincta*. MARATHON has shown efficacy against a number of ivermectin resistant strains of *H. contortus* and *Ostertagia* spp. However, as MARATHON shares a similar mechanism of action to the avermectins, it SHOULD NOT be used where avermectin resistance is present, except where specifically recommended by an advisor.

#### RESISTANCE AND WORM CONTROL PROGRAMS

It is advisable that a drench resistance test be conducted before any drench is used. Resistance may develop to any drench. Ask your local veterinary practitioner or animal health advisor for recommended parasite management practices for your area.

Net Contents: 5 L, 10 L, 10.5 L, 15 L, 15.75 L, 20 L, 21 L

Directions for Use:

Restrains: DO NOT USE in ewes which are producing or may in the future produce milk that may be used or processed for human consumption.

Contraindications: This product is contraindicated for use when selenium intake from pasture is high or selenium is provided by other means (such as top dressing, vaccine, pellets or selenium drenches) if blood selenium levels at treatment are high. Users can determine selenium status by consulting their veterinarian.  
This product is not recommended for use in goats as safety and efficacy have not been evaluated.  
DO NOT add copper salts or additional selenium to this drench.

Precautions:

Side Effects:

Dosage and Administration: MARATHON SE ORAL DRENCH FOR SHEEP is ready to use. Administer product using any standard drenching equipment. Check dose rates and equipment before drenching commences.

The product may start to form crystals below 4°C. Before usage under these circumstances, it is advisable to mix the product by inverting the drum 3 times.

Dose Rate: 1 mL/5 kg liveweight to give a dose of 0.2 mg moxidectin/kg and 0.1 mg selenium/kg liveweight.

Dosage Table:  
<Table>

Animals heavier than 75 kg to be dosed at 1 mL per 5 kg. A representative sample of animals should be weighed before treatment. Dose the mob to the heaviest animal by live weight in each group (ewes, wethers, rams, lambs). Where there is a large variation in size within the group, dose rate should be based on the label directions for each weight range. Do not underdose. Drafting into two or more lines may be appropriate, to avoid excessive overdosing.

SELENIUM DEFICIENCY  
To control white muscle disease in lambs, pregnant ewes should be treated monthly before lambing. Lambs should be treated either orally or with a selenium fortified vaccine at

	marking. On properties where selenium responsive ill-thrift or selenium responsive scouring have been diagnosed, treat lambs at marking and again 2 months later.
General Directions:	MARATHON SE ORAL DRENCH FOR SHEEP has a wide margin of safety when used as recommended and is readily accepted by sheep. MARATHON SE ORAL DRENCH FOR SHEEP is safe to use concurrently with other treatments including fluke treatments and vaccines.
Withholding Periods:	MEAT: DO NOT USE less than 7 days before slaughter for human consumption.
Trade Advice:	EXPORT SLAUGHTER INTERVAL (ESI): DO NOT USE less than 7 days before slaughter for export. Before using this product, confirm the current ESI from Alleva Animal Health Limited on (02) 9810 1104 or the APVMA website ( <a href="http://www.apvma.gov.au/residues">www.apvma.gov.au/residues</a> ).
Safety Directions:	Poisonous if swallowed. Will irritate the eyes and skin. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin. When opening the container and pouring large quantities, wear elbow-length PVC gloves. Wash hands after use. After each day's use, wash gloves.
First Aid Instructions:	If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.
First Aid Warnings:	
Additional User Safety:	Additional information is listed in the safety data sheet.
Environmental Statements:	<b>ENVIRONMENTAL PROTECTION</b> Extremely toxic to aquatic species. Do not contaminate dams, rivers, streams or other waterways with the chemical or used container.
Disposal:	Triple-rinse container and dispose of rinsate in compliance with relevant local, state or territory government regulations. Do not dispose of undiluted chemicals on-site. If the container has the drumMUSTER logo visible, and has been thoroughly cleaned and dried, and is free of any visible residues, it can be recycled at any drumMUSTER collection or similar container management program site. The cap should not be replaced, but may be recycled separately with the container. If not recycling, break, crush, or puncture container and deliver to an approved waste management facility. If an approved waste management facility is not available, bury the broken, crushed or punctured containers 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.
Storage:	Store below 30°C (room temperature). Protect from light. Do not freeze.

Dosage Table:

<b>Body Weight (kg)</b>	<b>Dose Volume (mL)</b>
10	2
11-15	3
16-20	4
21-25	5
26-30	6
31-35	7
36-40	8
41-45	9
46-50	10
51-55	11
56-60	12
61-65	13
66-70	14
71-75	15