

POISON

KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING
FOR ANIMAL TREATMENT ONLY

PASTORAL AG

Moxidectin

Oral Drench for Sheep with SELENIUM

**ACTIVE CONSTITUENTS: 1mg/mL MOXIDECTIN
0.5mg/mL SELENIUM (as sodium selenate)**

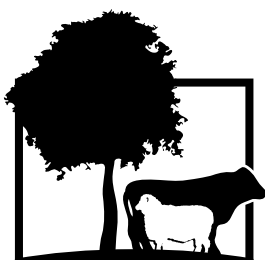
**For the treatment and control of moxidectin sensitive
gastrointestinal parasites (including *benzimidazole*
and/or *levamisole* resistant strains), lungworm and
itchmite of sheep.**

As an aid in control of selenium responsive conditions.

APVMA Approval No.: 69565/61138

Contents:

5L; 10L; 10.5L; 15L; 15.75L; 20L; 21L



PASTORAL AG

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PASTORAL AG Moxidectin Oral Drench for Sheep with Selenium 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.

Mature (adult) and immature (L4): *Haemonchus contortus* Barber's pole worm, *Trichostrongylus* spp. Black scour worm, *Trichostrongylus axei* Stomach hair worm, *Trichostrongylus colubriformis*, *Ostertagia (Teladorsagia)* spp. Small brown stomach worm, *Ostertagia circumcincta*, *Cooperia* spp. *Nematodirus* spp. Thin necked intestinal worm, *Nematodirus filicollis*, *Nematodirus spathiger*, *Strongyloides papillosus* Intestinal threadworm, *Oesophagostomum columbianum* Nodule worm, *Chabertia ovina* Large mouthed bowel worm, *Dictyocaulus filaria* Large lungworm.

Adult nematodes: *Trichostrongylus rugatus*, *Trichostrongylus vitrinus*, *Cooperia curticei*, *Nematodirus abnormalis*, *Nematodirus helvetianus*, *Ostertagia trifurcata*, *Oesophagostomum venulosum* Large bowel worm, *Trichuris ovis* Whipworm.

Ectoparasites: *Psorergates ovis* Itchmite.

PERSISTENT ACTIVITY

PASTORAL AG Moxidectin Oral Drench for Sheep with Selenium when used as recommended prevents:

- Reinfection with *Haemonchus contortus* worms for at least 14 days and pasture contamination by *H. contortus* eggs for at least 30 days after a single treatment;
- Reinfection with *Ostertagia* spp. worms for at least 14 days and pasture contamination by *Ostertagia* eggs for at least 35 days after a single treatment.

PASTORAL AG Moxidectin Oral Drench for Sheep with Selenium is effective against benzimidazole and levamisole resistant strains of *H. contortus*, *T. colubriformis* and *O. circumcincta*. PASTORAL AG Moxidectin Oral Drench for Sheep with Selenium has shown efficacy against a number of ivermectin resistant strains of *H. contortus* and *Ostertagia* spp. However, as PASTORAL AG Moxidectin Oral Drench for Sheep with Selenium 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.

SELENIUM DEFICIENCY

To control white muscle disease in lambs, pregnant ewes should be treated one month 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.

DIRECTIONS FOR USE

Restraint: DO NOT USE in female sheep which are producing, or may in the future produce, milk or milk products for human consumption.

Contraindications: This product should not be used when selenium intake from pasture is high or selenium is provided by other means (such as pasture top dressing, vaccine, pellets or selenium drenches) or 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.

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.

Dosage and Administration: PASTORAL AG Moxidectin Oral Drench for Sheep with Selenium is ready to use. Administer 1 mL per 5 kg liveweight to give a dose of 0.2 mg Moxidectin/kg and 0.1 mg Selenium/kg using any standard drenching equipment. Check dose rates and equipment before drenching commences.

DOSAGE GUIDE

Body Weight (kg)	Dose Volume (mL)	Doses per Pack						
		5L	10L	10.5L	15L	15.75L	20L	21L
10	2	2500	5000	5250	7500	7875	10000	10500
11-15	3	1666	3333	3500	5000	5250	6666	7000
16-20	4	1250	2500	2625	3750	3937	5000	5250
21-25	5	1000	2000	2100	3000	3150	4000	4200
26-30	6	833	1666	1750	2500	2625	3333	3500
31-35	7	714	1428	1500	2142	2250	2857	3000
36-40	8	625	1250	1312	1875	1968	2500	2625
41-45	9	555	1111	1166	1666	1750	2222	2333
46-50	10	500	1000	1050	1500	1575	2000	2100
51-55	11	454	909	954	1363	1431	1818	1909
56-60	12	416	833	875	1250	1312	1666	1750
61-65	13	384	769	807	1153	1211	1538	1615
66-70	14	357	714	750	1071	1125	1428	1500
71-75	15	333	666	700	1000	1050	1333	1400

For animals above 75kg, dose at 1mL per 5kg body weight.

A representative sample of sheep should be weighed before treatment. Dose the mob to the heaviest animal by liveweight in each group (ewes, wethers, rams, lambs). Do not underdose. Where there is large variation in size within the group, dose rate should be based on the label directions for each weight range. Drafting into two or more lines may be appropriate, to avoid excessive overdosing.

PASTORAL AG Moxidectin Oral Drench for Sheep with Selenium has a wide margin of safety when used as recommended and is readily accepted by sheep.

PASTORAL AG Moxidectin Oral Drench for Sheep with Selenium 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.

MILK: DO NOT USE in lactating ewes where milk or milk products may be used for human consumption.

EXPORT SLAUGHTER INTERVAL (ESI):

DO NOT USE less than 7 days before slaughter for export.

The ESI on this label was correct at the time of label approval. Before using this product, confirm the current ESI from either TITAN AG (02) 9999 6655 or the APVMA website www.apvma.gov.au/residues/ESI.shtml.

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

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131 126. If skin contact occurs, remove contaminated clothing and wash skin thoroughly.

ENVIRONMENTAL PROTECTION

Moxidectin is extremely toxic to aquatic species. Do not contaminate dams, rivers, streams or other waterways with the chemical or used container.

DISPOSAL

Triple or (preferably) pressure rinse the empty container. Do not dispose of undiluted chemicals on site. Return clean container for recycling where this is an option or for disposal at a landfill authorised to accept that waste. If neither of these options are available, bury the container below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Empty containers should not be burnt.

STORAGE

Store below 30°C (Room temperature) and protect from sunlight. Do not freeze.

SAFETY DATA SHEET

Additional information is listed in the safety data sheet (SDS). A safety data sheet for PASTORAL AG Moxidectin Oral Drench for Sheep with Selenium is available from TITAN AG Pty Ltd on request. Call Customer Service on (02) 9999 6655 or visit www.titanag.com.au

CONDITIONS OF SALE: TITAN AG Pty Ltd shall not be liable for any loss injury damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence or otherwise in connection with the sale supply use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on TITAN AG's skill or judgment in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of TITAN AG Pty Ltd has any authority to add to or alter these conditions.

Additional statements required by Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia: Harmful to aquatic life with long lasting effects. **Precautionary Statements:** Avoid release to the environment. Dispose of contents/container in accordance with local/regional/national regulations.