

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

PASTORAL / AG™

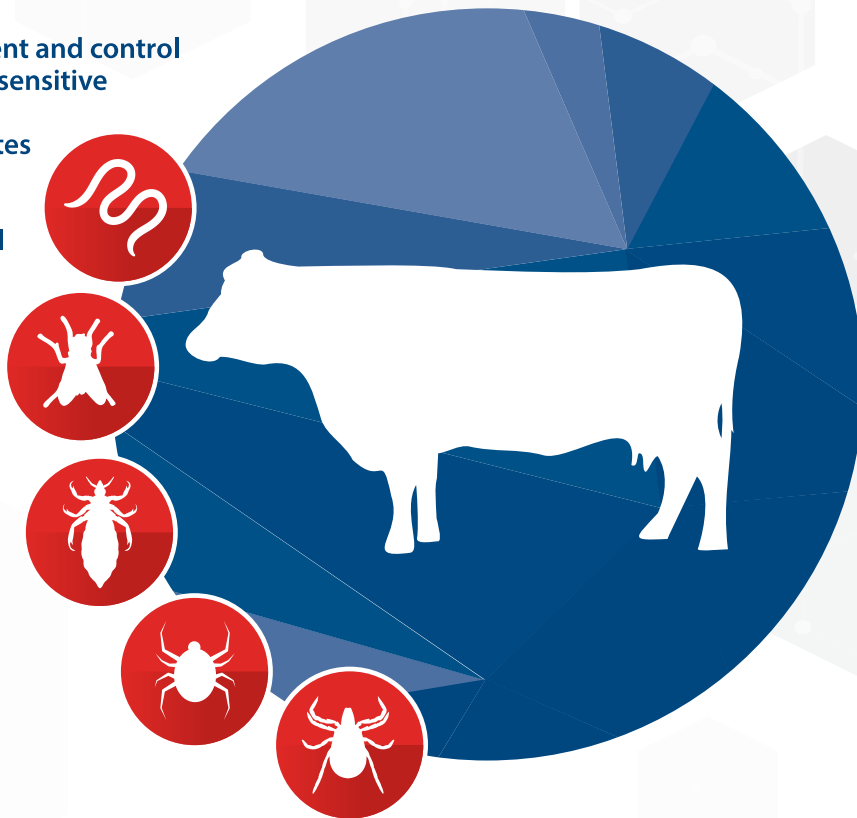
MOXILAB™

POUR-ON

FOR CATTLE AND RED DEER

ACTIVE CONSTITUENT: 5 g/L MOXIDECTIN
Also contains : 150 g/L HYDROCARBON LIQUID (solvent)

For the treatment and control
of moxidectin-sensitive
internal and
external parasites
in cattle and
lungworm and
gastrointestinal
roundworms
in red deer.



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PASTORAL AG Moxilab Pour-On for Cattle and Red Deer contains macrocyclic lactone, a member of the second generation macrocyclic lactone family of chemicals. It is effective against sensitive strains of the following parasites:

CATTLE

Gastrointestinal (adult and larval (L₃) nematodes):

- Haemonchus placei* (barber's pole worm)
- Ostertagia ostertagi*, *O. lyrata* (small brown stomach worms including inhibited larvae)
- Trichostrongylus axei* (stomach hair worm)
- Trichostrongylus colubriformis* (black scour worm)
- Trichostrongylus longispicularis*
- Cooperia oncophora*, *C. sumabada*, *C. mcmasteri* (small intestinal worm)
- Cooperia punctata*
- Cooperia spatulata**
- Cooperia pectinata*
- Nematodirus helvetianus*
- Bunostomum phlebotomum* (hookworm)
- Oesophagostomum radiatum* (nodule worm)
- Trichuris* spp. (whip worm)

Lungworm:

- Dictyocaulus viviparus*

Cattle Tick:

- Rhipicephalus microplus*

Lice:

- Linognathus vituli*
- Haematopinus eurysternus*
- Solenopotes capillatus*
- Bovicola bovis*

Mange Mites:

- Chorioptes bovis*
- Sarcoptes bovis**
- Psoroptes ovis**

Buffalo Fly:

- Haematobia irritans exigua*

*not found in Australia

Persistent Activity Against Cattle Parasites:

In cattle, following a single application at the recommended dose rate, PASTORAL AG Moxilab Pour-On prevents re-infection with the following parasite species:

Parasite spp.	Persistent Protection Period
<i>Ostertagia ostertagi</i> , <i>O. lyrata</i>	42 days
<i>Haemonchus placei</i>	28 days
<i>Trichostrongylus axei</i>	28 days
<i>Dictyocaulus viviparus</i>	42 days
<i>Oesophagostomum radiatum</i>	42 days
<i>Bunostomum phlebotomum</i>	42 days
<i>Nematodirus helvetianus</i>	21 days

Cattle Tick (*Rhipicephalus microplus*) Control:

PASTORAL AG Moxilab Pour-On is effective for treatment and control of cattle tick on cattle, including strains resistant to organophosphates, synthetic pyrethroids and amidines. The persistent activity of PASTORAL AG Moxilab Pour-On prevents the development of viable cattle tick (*Rhipicephalus microplus*) for 21 days after treatment. For strategic programs treatment at 21 day intervals is recommended.

Some engorged females continue to drop for up to three days after the first treatment, and these may lay some viable eggs. This should be taken into account when planning a strategic dipping program.

Buffalo Fly (*Haematobia irritans exigua*) Control:

The persistent activity of PASTORAL AG Moxilab Pour-On can be used as an aid in control of buffalo fly (*Haematobia irritans exigua*) for up to 14 days after treatment.

In addition, PASTORAL AG Moxilab Pour-On can be used to treat and control the following parasites of red deer:

Lungworm:

- Dictyocaulus viviparus*

Gastrointestinal:

- Haemonchus* spp.
- Ostertagia* spp.
- Trichostrongylus* spp.
- Oesophagostomum* spp.

Persistent Activity against Deer Parasites:

Parasite spp.	Persistent Protection Period
<i>Ostertagia</i> spp.	42 days
<i>Oesophagostomum</i> spp.	42 days
<i>Dictyocaulus viviparus</i>	42 days

Resistance may develop to any chemical.

DIRECTIONS FOR USE

Restraints:

Re-treatment interval:
DO NOT re-treat lactating cattle for 21 days after last treatment.
DO NOT re-treat deer for 60 days after last treatment.

Dosage and Administration:

PASTORAL AG Moxilab Pour-On should be applied along the top of the back from the withers to the base of the tail on cattle and red deer. The volume to use is 1 mL per 10 kg liveweight. This will administer the correct dose of 0.5 mg/kg liveweight.

The following dosage table may be used as a guide.

Liveweight (kg)	Dose (mL)	This Pack Treats
31-40	4	5000
41-50	5	4000
51-60	6	3333
61-70	7	2857
71-80	8	2500
81-90	9	2222
91-100	10	2000
101-125	12.5	1600
126-150	15	1333
151-175	17.5	1142
176-200	20	1000
201-250	25	800
251-300	30	666
301-350	35	571
351-400	40	500
401-450	45	444
451-500	50	400
501-550	55	363
551-600	60	333
601-650	65	307

Cattle heavier than 650 kg should be dosed at 1 mL per 10 kg liveweight. A representative sample of animals should be weighed before treatment either with scales or a weighband. Dose rate to be based on heaviest cattle in each group (bulls, cows, steers, calves, etc.). Do not underdose. Where there is a large variation in size within the group, draft into two or more lines based on body weight, to avoid excessive overdosing.

General Directions:

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

Rainfast:

The efficacy of PASTORAL AG Moxilab Pour-On is not adversely affected if applied when the hide is wet, or if rain occurs shortly after application. However the efficacy against tick and buffalo fly may be reduced if very heavy rain occurs following treatment. Treatment of animals under these circumstances is not good agricultural practice.

Weatherproof:

The efficacy of PASTORAL AG Moxilab Pour-On is not adversely affected if applied to cattle under extreme seasonal conditions such as very high UV-light and temperatures in summer and very low temperatures in winter.

Non-Irritant:

PASTORAL AG Moxilab Pour-On does not cause irritation to the skin or hide damage when used as directed.

Safety to Target Animals:

PASTORAL AG Moxilab Pour-On has a wide margin of safety when used at the recommended dose rate in all ages and breeds of cattle including pregnant cows and breeding bulls.

Concurrent Use:

PASTORAL AG Moxilab Pour-On is safe to use concurrently with other treatments in cattle including mineral supplements, fluke treatments and vaccines. DO NOT apply at the same time as any other pour-on product.

Effect on Dung Beetles:

When applied as directed, the levels of PASTORAL AG Moxilab Pour-On in the faeces of treated cattle are not likely to have any significant adverse effect on the following dung beetles: *Onthophagus gazella*, *O. taurus*, *Euoniticellus intermedius* and *E. fulvus*. Effects on other dung beetle species have not been fully evaluated.

Parasite Control Programs:

Effective parasite control for maximum productivity is an essential part of farm management. Follow recommended parasite management practices to reduce the potential for resistance to develop.

WITHHOLDING PERIODS

CATTLE:

MEAT: Zero (0) days.

MILK: Zero (0) days.

DEER:

MEAT: DO NOT USE less than 7 days before slaughter for human consumption.

TRADE ADVICE

EXPORT SLAUGHTER INTERVAL (ESI): Zero (0) days. Before using this product, confirm the current ESI from the distributor on (03) 5820 8444 or the APVMA website (www.apvma.gov.au/residues).

SAFETY DIRECTIONS

Poisonous if swallowed. May irritate the nose and throat. Will irritate the eyes and skin. Avoid contact with eyes and skin. Do not inhale. Wash hands after use.

FIRST AID INSTRUCTIONS

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.

ADDITIONAL USER SAFETY

Additional information is listed in the safety data sheet.

ENVIRONMENTAL PROTECTION

Very toxic to aquatic life. Do not contaminate dams, rivers, streams or other waterways with the chemical or used containers.

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.

May be fatal if swallowed and enter airways.
 Avoid breathing fumes, mists, vapours or spray.
 Use only outdoors or in a well ventilated area.
 Wear personal protective equipment as required.
IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth. Do NOT induce vomiting.
 Store in a well-ventilated place.
 Keep container tightly closed.

B:

EXP:

