

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

PASTORAL / AG™

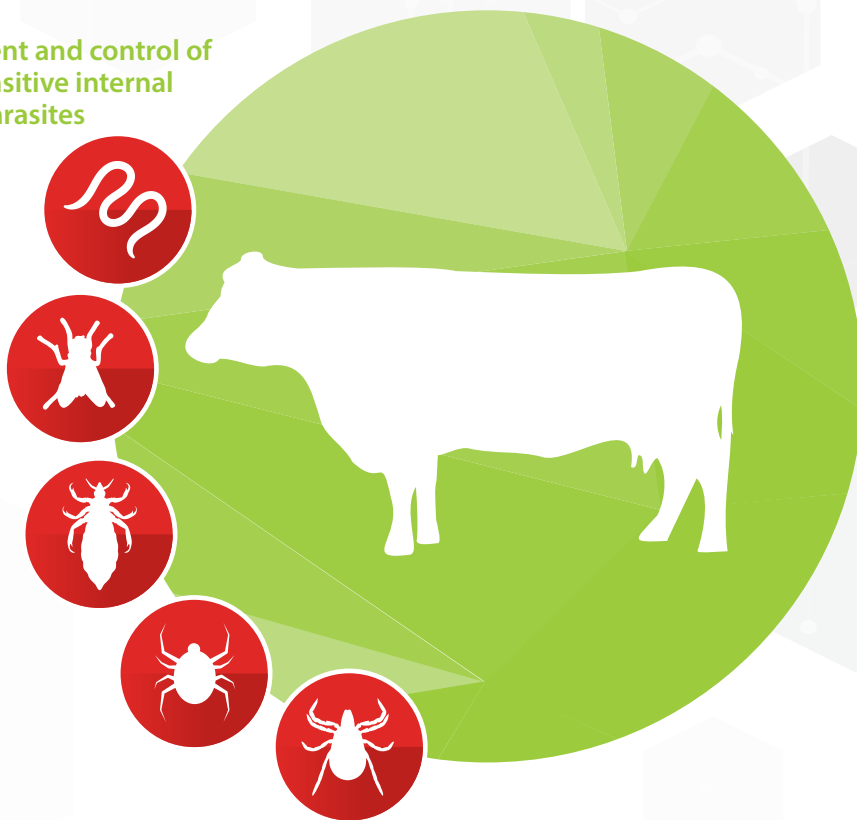
DORALAB™

POUR-ON

FOR CATTLE

ACTIVE CONSTITUENT: 5 mg/mL DORAMECTIN

For the treatment and control of
doramectin sensitive internal
and external parasites
of cattle.



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PASTORAL AG Doralab Pour-On for Cattle is for the treatment and persistent control of gastrointestinal roundworms, lungworms and buffalo fly in cattle. Control of eye worms, sucking and biting lice, mange mites and cattle ticks.

PASTORAL AG Doralab Pour-On for Cattle contains doramectin, a member of the macrocyclic lactones family of chemicals. PASTORAL AG Doralab Pour-On for Cattle is highly effective in the treatment and control of the following species:

Gastrointestinal roundworms (adults and fourth stage larvae)

*Ostertagia ostertagi*¹ – Small brown stomach worm

Haemonchus placei – Barber's pole worm

Trichostrongylus axei – Stomach hair worm

T. colubriformis – Black scour worm

Cooperia spp.¹ – Small intestinal worm

Cooperia oncophora

Bunostomum phlebotomum – Hook worm²

Oesophagostomum radiatum – Nodule worm

Nematodius spathiger – Thin necked intestinal worm²

Thelazia spp. – Eye worm²

Trichuris spp. – Whipworm

¹ including inhibited larvae

² adults only

Adult and immature Lungworm

Dictyocaulus viviparus

Sucking Lice

Linognathus vituli, *Haematopinus eurysternus*, *Solenopotes capillatus*

Biting Lice

Bovicola bovis

Buffalo Fly

Haematobia irritans exigua

Cattle Tick³

Rhipicephalus (Boophilus) microplus

Mange Mites

Chorioptes bovis, *Sarcoptes scabiei* var. *bovis*

³ Engorged female ticks that drop off for up to 3 days after treatment may lay viable eggs.

Persistent protection

Extensive studies have also demonstrated the following levels of persistent protection against reinfection from important worm species.

Species	Period of protection following treatment
<i>Ostertagia ostertagi</i>	Up to 35 days
<i>Haemonchus placei</i>	Up to 35 days
<i>Trichostrongylus axei</i>	Up to 35 days
<i>Cooperia</i> spp.	Up to 35 days
<i>Cooperia oncophora</i>	Up to 21 days
<i>Dictyocaulus viviparus</i>	Up to 28 days
<i>Oesophagostomum radiatum</i>	Up to 21 days
<i>Bunostomum phlebotomum</i>	Up to 21 days

Highly flammable liquid and vapour.
Causes serious eye irritation.
May cause drowsiness or dizziness.
Keep away from heat, sparks, open flames and hot surfaces. – No smoking.
Keep container tightly closed.
Avoid breathing fumes, mists, vapours or spray.
Do not get in eyes, on skin, or on clothing.
Wash contacted areas thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

PASTORAL AG Doralab Pour-On for Cattle controls buffalo flies (*Haematobia irritans exigua*) for up to 14 days after treatment.

Resistance may develop to any chemical.

Ask your local veterinary practitioner or animal health adviser for recommended parasite management practices for your area to reduce development of resistance. It is advisable that a resistance test be conducted before any parasite treatment is used.

DIRECTIONS FOR USE

Restraints:

Re-treatment interval: DO NOT re-treat animals for 56 days (8 weeks) after last treatment.

Dosage and Administration:

For external use only.

To obtain optimal benefit from the persistent action of PASTORAL AG Doralab Pour-On for Cattle against internal parasites, it is recommended that cattle which are set-stocked should be treated twice at eight week intervals.

Used in this way PASTORAL AG Doralab Pour-On for Cattle will reduce the build-up of infective larvae on pasture and protect such animals from parasitic gastro-enteritis and parasitic bronchitis by reducing pasture larval challenge.

Dose rate: 1 mL of solution per 10 kg bodyweight.

Use the dose rate, according to the weight of the animal, given in the tables below. Apply topically along the mid-line of the back in a narrow strip between the withers and tailhead.

Weight (kg)	Dose (mL)	Weight (kg)	Dose (mL)
40 – 50	5	301 – 350	35
51 – 75	7.5	351 – 400	40
76 – 100	10	401 – 450	45
101 – 150	15	451 – 500	50
151 – 200	20	501 – 550	55
201 – 250	25	551 – 600	60
251 – 300	30	601 – 650	65

Cattle heavier than 650 kg should be dosed at 1 mL per 10 kg. 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.

Treatment of very young animals (less than 40 kg bodyweight) is generally not warranted.

Administration: Using a pour-on applicator

Attach the open end of the draw-off tubing to the pour-on applicator. Attach draw-off tubing to the draw-off cap stem. Replace shipping cap with the

draw-off cap and tighten the draw-off cap. Invert the backpack. Gently prime the applicator whilst checking for leaks. Follow manufacturer's directions for correct use and care of equipment.

The PASTORAL AG Doralab Pour-On for Cattle applicator is recommended for use with this product. Some applicators may not be suitable for use with this formulation. If unsure, check with the manufacturer, or your supplier.

General Directions:

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

For best results, do not treat cattle when their hide or hair is wet.

Do not apply to areas of skin which are contaminated with mud or manure.

PRODUCT CHARACTERISTICS

PASTORAL AG Doralab Pour-On for Cattle is a highly active broad spectrum parasiticide for topical administration to cattle. It contains doramectin, a member of the macrocyclic lactone family of chemicals. Doramectin is isolated from fermentation of selected strains derived from the soil organism *Streptomyces avermectilis*.

The primary mode of action of doramectin is to modulate chloride ion channel activity in the nervous system of nematodes and arthropods. Doramectin binds to receptors that increase membrane permeability to chloride ions, inhibiting the electrical activity of nerve cells in nematodes and muscle cells in arthropods, causing paralysis and death of the parasites. In mammals the neuronal receptors to which doramectin binds are localised within the central nervous system (CNS), a site reached by only negligible concentrations of doramectin.

Broad-spectrum: A single treatment with PASTORAL AG Doralab Pour-On for Cattle effectively treats and controls a wide range of internal parasites (roundworms) and external parasites (arthropods) that impair the health and productivity of cattle.

Persistent-action: The persistent drug concentrations that result from the product's unique pharmacokinetics enable it to protect cattle against para- site infection and reinfection for extended periods following treatment.

Safety: PASTORAL AG Doralab Pour-On for Cattle has a wide margin of safety in all classes of cattle. Its broad spectrum of activity, favourable pharmacokinetics and exceptional toleration make it an ideal product for application as an antiparasitic for cattle.

Rainfast: The efficacy of PASTORAL AG Doralab Pour-On for Cattle is not adversely affected if applied when the hide is wet or if rain falls shortly after treatment. However, treatment of animals with wet hides or when rain threatens should be avoided as it is not good agricultural practice.

WITHHOLDING PERIODS

MEAT: DO NOT USE less than 42 days before slaughter for human consumption.

MILK: Zero (0) days.

TRADE ADVICE

EXPORT SLAUGHTER INTERVAL (ESI): DO NOT USE less than 42 days before slaughter for export. 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. Will irritate the eyes and skin. Avoid contact with skin and eyes. When using the product wear face shield or goggles. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash face shield or goggles.

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.

Use only in well ventilated surroundings.

ENVIRONMENTAL PROTECTION

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

When used according to the label instructions, PASTORAL AG Doralab Pour-On for Cattle is not likely to have an unintended effect that is harmful to the environment or have an overall adverse impact on dung beetle populations. Increased mortality and impaired development of larvae may be expected, but for a limited period after treatment.

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 recycling, replace cap and return clean container to recycler or designated collection point. 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 direct sunlight.



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