



Product Name: MARATHON POUR-ON FOR CATTLE AND RED DEER
APVMA Approval No: 92471/142810

Label Name:	MARATHON POUR-ON FOR CATTLE AND RED DEER
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Signal Headings:	CAUTION KEEP OUT OF REACH OF CHILDREN FOR ANIMAL TREATMENT ONLY READ SAFETY DIRECTIONS BEFORE OPENING OR USING
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Constituent Statements:	5 g/L MOXIDECTIN 150 g/L HYDROCARBON LIQUID (solvent)
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Claims:	<p>For the treatment and control of moxidectin-sensitive internal and external parasites of cattle and for the treatment and control of lungworm and gastrointestinal roundworms of red deer.</p> <p>MARATHON POUR-ON FOR CATTLE AND RED DEER contains moxidectin, a second generation macrocyclic lactone endectocide. It is effective in the treatment and control of sensitive strains of the following parasites affecting cattle:</p> <p>Gastrointestinal (adult and larval (L4) nematodes): Haemonchus placei 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. surnabada /C. mcmasteri) (small intestinal worm) Cooperia punctata Cooperia spatulata* Cooperia pectinata Nematodirus helvetianus Bunostomum phlebotomum (hookworm) Oesophagostomum radiatum (nodule worm) Trichuris spp.</p> <p>Lungworm: Dictyocaulus viviparus</p> <p>Cattle Tick: Rhipicephalus (Boophilus) australis</p> <p>Lice: Linognathus vituli Haematopinus eurysternus Solenopotes capillatus Bovicola bovis</p>
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Mange mites:
Chorioptes bovis
Sarcoptes bovis*
Psoroptes ovis*
* not found in Australia

MARATHON POUR-ON is effective in the treatment and aid in control of:
Buffalo fly
Haematobia irritans exigua

Persistent Activity
In cattle, following a single application at the recommended dose rate, MARATHON POUR-ON prevents re-infection with the following parasite species:

Persistent activity against cattle parasites
<Table 1>

Cattle Tick Control: Rhipicephalus (Boophilus) australis
MARATHON 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 MARATHON POUR-ON prevents the development of viable cattle tick Rhipicephalus (Boophilus) australis 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 Control: Haematobia irritans exigua

The persistent activity of MARATHON 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, MARATHON 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:
<Table 2>

Resistance may develop to any chemical.

Net Contents:	500 mL, 1 L, 2.2 L, 2.5 L, 5 L, 5.5 L, 10 L, 10.5 L, 15 L, 15.75 L, 20 L, 22 L, 25 L
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Directions for Use:	
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Restrictions:	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.
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Contraindications:	
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Precautions:	Do not apply at the same time as any other pour-on product.
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Side Effects:	
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Dosage and Administration:	<p>Cattle and Red Deer MARATHON POUR-ON should be applied along the top of the back from the withers to the base of the tail.</p> <p>Volume to use: 1 mL per 10 kg liveweight. This will administer the correct dose of 0.5 mg/kg liveweight.</p> <p>MARATHON POUR-ON can be used in lactating dairy cattle, but DO NOT TREAT LACTATING CATTLE AT LESS THAN 21 DAY INTERVALS.</p> <p>The following table may be used as a guide for the dose volume to use: <Table 3></p> <p>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.</p> <p>This section contains file attachment.</p>
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General Directions:	<p>Introduction MARATHON POUR-ON is an endectocide with efficacy in treating and controlling internal and external parasites in cattle and lungworm and roundworms in red deer. Research on and development of MARATHON POUR-ON has produced a product with a broad spectrum of activity and wide safety margin.</p> <p>Product Description MARATHON POUR-ON comes ready to use as a clear solution containing 5 g/L moxidectin. When given at a dose volume of 1 mL/10 kg liveweight, MARATHON POUR-ON delivers the recommended dosage of 0.5 mg moxidectin/kg liveweight. MARATHON POUR-ON does not cause irritation to the skin or hide damage when used as directed.</p> <p>PRODUCT ADVANTAGES</p> <p>Rainfast The efficacy of MARATHON 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.</p> <p>Weatherproof The efficacy of MARATHON 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.</p> <p>Non Irritant MARATHON POUR-ON does not cause irritation to the skin or hide damage when used as directed.</p> <p>Ease of Use</p>
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	<p>MARATHON POUR-ON comes ready to use. A number of applicators have been tested with MARATHON POUR-ON and several have proved suitable, including the Phillips 45 mL applicator.</p> <p>Broad Spectrum MARATHON POUR-ON is efficacious against roundworms, lungworm, cattle tick, lice and mites which infect cattle, and lungworm and roundworms of red deer.</p> <p>Safety to Target Animals MARATHON 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.</p> <p>Concurrent Use MARATHON 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.</p> <p>Effect on Dung Beetles When applied as directed, the levels of MARATHON POUR-ON in the faeces of treated cattle are not likely to have any significant adverse effect on the following dung beetles: <i>Onthophagus gazella</i>, <i>O. taurus</i>, <i>Euoniticellus intermedius</i> and <i>E. fulvus</i>. Effects on other dung beetle species have not been fully evaluated.</p> <p>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.</p>
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Withholding Periods:	<p>MEAT (CATTLE): Zero (0) days. MEAT (DEER): DO NOT USE less than 7 days before slaughter for human consumption. MILK: Zero (0) days.</p>
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Trade Advice:	<p>EXPORT SLAUGHTER INTERVAL (ESI): Zero (0) days. Before using this product, confirm the current ESI from Alleva Animal Health Ltd on 1-800 ALLEVA (1-800 255 382) or the APVMA website (www.apvma.gov.au/residues).</p>
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Safety Directions:	<p>Poisonous if swallowed. Will irritate 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.</p>
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First Aid Instructions:	<p>If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.</p>
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First Aid Warnings:	
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Additional User Safety:	<p>Additional information is listed in the safety data sheet.</p>
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Environmental Statements:	<p>ENVIRONMENTAL PROTECTION Moxidectin is extremely toxic to aquatic species. Do not contaminate dams, rivers, streams or other waterways with the chemical or used container.</p>
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Disposal:	<p>[500 mL, 1 L] Dispose of container by wrapping with paper and putting in garbage.</p> <p>[Other pack sizes] Triple-rinse container and dispose of rinsate in compliance with relevant local, state or territory government regulations. Do not dispose of undiluted chemicals onsite. 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 at the drumMUSTER collection site. 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.</p>
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Storage:	Store below 30 °C (room temperature). Protect from light.
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Claims

Table 1 – Persistent Activity against Cattle Parasites

Parasite species	Persistent protection period
<i>Ostertagia ostertagi, 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

Table 2 - Persistent Activity against Deer Parasites

Parasite species	Persistent protection period
<i>Ostertagia</i> spp.	42 days
<i>Oesophagostomum</i> spp.	42 days
<i>Dictyocaulus viviparus</i>	42 days

Dosage and Administration

Table 3

Liveweight (kg)	Dose (mL)
31 – 40	4
41 – 50	5
51 – 60	6
61 – 70	7
71 – 80	8
81 – 90	9
91 – 100	10
101 – 125	12.5
126 – 150	15
151 – 175	17.5
176 – 200	20
201 – 250	25
251 – 300	30
301 – 350	35
351 – 400	40
401 – 450	45
451 – 500	50
501 – 550	55
551 – 600	60
601 – 650	65