

Product Name: CYDECTIN POUR-ON FOR CATTLE AND RED DEER  
 APVMA Approval No: 45970 / 120145



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| Label Name: | CYDECTIN POUR-ON FOR CATTLE AND RED DEER |
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| Signal Headings: | <p>CAUTION</p> <p>KEEP OUT OF REACH OF CHILDREN</p> <p>FOR ANIMAL TREATMENT ONLY</p> <p>READ SAFETY DIRECTIONS BEFORE OPENING OR USING</p> |
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| Constituent Statements: | <p>5 g/L MOXIDECTIN</p> <p>150 g/L HYDROCARBON LIQUID (solvent)</p> |
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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>CYDECTIN 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):</p> <p>Haemonchus placei</p> <p>Ostertagia ostertagi, O. lyrata (small brown stomach worms including inhibited larvae)</p> <p>Trichostrongylus axei (stomach hair worm)</p> <p>Trichostrongylus colubriformis (black scour worm)</p> <p>Trichostrongylus longispicularis</p> <p>Cooperia oncophora ( C. surnabada /C. mcmasteri) (small intestinal worm)</p> <p>Cooperia punctata</p> <p>Cooperia spatulata*</p> <p>Cooperia pectinata</p> <p>Nematodirus helvetianus</p> <p>Bunostomum phlebotomum (hookworm)</p> <p>Oesophagostomum radiatum (nodule worm)</p> <p>Trichuris spp.</p> <p>Lungworm: Dictyocaulus viviparus</p> <p>Cattle Tick: Rhipicephalus (Boophilus) microplus</p> <p>Lice:</p> <p>Linognathus vituli</p> <p>Haematopinus eurysternus</p> <p>Solenopotes capillatus</p> |
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Bovicola bovis

Mange mites:

Chorioptes bovis

Sarcoptes bovis\*

Psoroptes ovis\*

\* not found in Australia

CYDECTIN POUR-ON FOR CATTLE AND RED DEER 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, CYDECTIN POUR-ON FOR CATTLE AND RED DEER prevents re-infection with the following parasite species:

[Attachment 1 - Persistent Activity Tables - Table 1]

Cattle Tick Control: Rhipicephalus (Boophilus) microplus

CYDECTIN POUR-ON FOR CATTLE AND RED DEER is effective for treatment and control of cattle tick on cattle, including strains resistant to organophosphates, synthetic pyrethroids and amidines.

The persistent activity of CYDECTIN POUR-ON prevents the development of viable cattle tick Rhipicephalus (Boophilus) 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 Control: Haematobia irritans exigua

The persistent activity of CYDECTIN POUR-ON FOR CATTLE AND RED DEER can be used as an aid in control of buffalo fly (Haematobia irritans exigua) for up to 14 days after treatment.

In addition, CYDECTIN POUR-ON FOR CATTLE AND RED DEER 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:

[Attachment 1 - Persistent Activity Tables - Table 2]

Resistance may develop to any chemical.

Net Contents:

500mL, 1L, 2L, 2.2L, 5L, 10L, 10.5L, 15L, 15.75L, 17L, 20L, 25L

Directions for Use:

This section contains file attachment.

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| Restraints: | <p>Re-treatment Interval:<br/> DO NOT re-treat lactating cattle for 21 days after treatment.<br/> DO NOT re-treat deer for 60 days after treatment.</p> |
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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<br/> CYDECTIN POUR-ON FOR CATTLE AND RED DEER should be applied along the top of the back from the withers to the base of the tail.<br/> Volume to use: 1 mL per 10 kg liveweight. This will administer the correct dose of 0.5 mg/kg liveweight.<br/> CYDECTIN 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:</p> <p>[Attachment 2- Cydectin Pour-On Dosage Table]</p> <p>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.).</p> <p>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:<br/> CYDECTIN POUR-ON FOR CATTLE AND RED DEER is an endectocide with efficacy in treating and controlling internal and external parasites in cattle and lungworm and roundworms in red deer.<br/> Research on and development of CYDECTIN POUR-ON FOR CATTLE AND RED DEER has produced a product with a broad spectrum of activity and wide safety margin.</p> <p>Product Description<br/> CYDECTIN POUR-ON FOR CATTLE AND RED DEER 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, CYDECTIN POUR-ON FOR CATTLE AND RED DEER delivers the recommended dosage of 0.5 mg moxidectin/kg liveweight. CYDECTIN POUR-ON FOR CATTLE AND RED DEER does not cause irritation to the skin or hide damage when used as directed.</p> <p>PRODUCT ADVANTAGES</p> <p>Rainfast<br/> The efficacy of CYDECTIN POUR-ON FOR CATTLE AND RED DEER 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</p> |
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treatment. Treatment of animals under these circumstances is not good agricultural practice.

#### Weatherproof

The efficacy of CYDECTIN 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

CYDECTIN POUR-ON FOR CATTLE AND RED DEER does not cause irritation to the skin or hide damage when used as directed.

#### Ease of Use

CYDECTIN POUR-ON FOR CATTLE AND RED DEER comes ready to use. A number of applicators have been tested with CYDECTIN POUR-ON FOR CATTLE AND RED DEER and several have proved suitable, including the Phillips 45 mL applicator.

#### Broad Spectrum

CYDECTIN POUR-ON FOR CATTLE AND RED DEER is efficacious against roundworms, lungworm, cattle tick, lice and mites which infect cattle, and lungworm and roundworms of red deer.

#### Safety to Target Animals

CYDECTIN POUR-ON FOR CATTLE AND RED DEER 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

CYDECTIN POUR-ON FOR CATTLE AND RED DEER 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 CYDECTIN POUR-ON FOR CATTLE AND RED DEER 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.

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| Withholding Periods: | MEAT (CATTLE): Zero (0) days<br>MEAT (DEER): DO NOT USE less than 7 days before slaughter for human consumption<br>MILK: Zero (0) days |
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| Trade Advice: | EXPORT SLAUGHTER INTERVAL (ESI): Zero (0) days.<br>Before using this product, confirm the current ESI from Virbac (Australia) Pty. Limited on 1800 242 100 or the APVMA website ( <a href="http://www.apvma.gov.au/residues">www.apvma.gov.au/residues</a> ). |
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| Safety Directions: | Poisonous if swallowed. May irritate the nose and throat and will irritate the eyes and skin. Avoid contact with eyes and skin. Do not inhale. Wash hands after use. |
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| First Aid Instructions: | If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26. |
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| First Aid Warnings: |  |
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| Additional User Safety: | Additional information is listed in the Safety Data Sheet (SDS). |
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| Environmental Statements: | <b>ENVIRONMENTAL PROTECTION:</b><br>Moxidectin is extremely toxic to aquatic species. Do not contaminate dams, rivers, streams or other waterways with the chemical or used container. |
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| Disposal: | <p>Containers less than or equal to 1L:<br/>Dispose of empty container by wrapping with paper and putting in garbage.</p> <p>Containers greater than 1L:<br/>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.</p> <p>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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**Table 1 – Persistent Activity against Cattle Parasites**

| <b>Parasite species</b>                        | <b>Persistent protection period</b> |
|--|-------------------------------------|
| <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                             |

**Table 2 - Persistent Activity against Deer Parasites**

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

## CYDECTIN POUR-ON FOR CATTLE AND RED DEER – Dosage Table

| 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        |