

Actimec

POUR ON

For Veterinary Use Only

Actimec (Ivermectin) Pour on delivers internal and external parasite control in one convenient low-volume application.

COMPOSITION:

Each ml contains:

Ivermectin5mg

PARASITICIDE:

Kills: Roundworms (including Brown Stomach Worms), Lungworms, Grubs, Sucking Lice, Biting Lice, Mange Mites, Horse Flies Consult your veterinarian for assistance in the diagnosis, treatment and control of parasitism.

INDICATION:

Actimec Pour On applied at the recommended dose level of 500 mcg/kg is indicated for the effective control of these parasites.

Gastrointestinal Roundworms:

Ostertagia ostertagi (including inhibited stage) (adults and L4), *Haemonchus placei* (adults and L4), *Trichostrongylus axei* (adults and L4), *T. colubriformis* (adults and L4), *Cooperia* spp. (adults and L4), *Oesophagostomum radiatum* (adults and L4), *Strongyloides papillosus* (adults), *Trichuris* spp. (adults)

Lungworms: *Dictyocaulus viviparus* (adults and L4)

Cattle Grubs (parasitic stages): *Hypoderma Bovis*, *H. Lineatum*

Mites: *Sarcoptes scabiei* var. *bovis*

Lice: *Linognathus vituli*, *Haematopinus eurysternus*, *Damalinia bovis*, *Solenopotes capillatus*

Horn Flies: *Haematobia irritans*

PERSISTENT ACTIVITY:

Actimec Pour On has been proved to effectively control infections and to protect cattle from re-infection with *Ostertagia ostertagi*, *Oesophagostomum radiatum*, *Haemonchus placei*, *Trichostrongylus axei*, *Cooperia punctata* and *Cooperia oncophora* for 14 days after treatment.

TREATMENT FOR CATTLE FOR HORN FLIES:

Actimec Pour On controls horn flies (*Haematobia irritans*) for up to 28 days after dosing. For best results, Actimec Pour On should be part of a

parasite control program for both internal and external parasites based on the epidemiology of these parasites. Consult a veterinarian or an entomologist for the most effective timing of applications.

DOSAGE & ADMINISTRATION:

The dose rate is 1ml for each 10kg body weight. The formulation should be applied along the topline in a narrow strip extending from the withers to the trailhead.

Weight	Dose
100Kg	10ml
150Kg	15ml
200Kg	20ml
250Kg	25ml
300Kg	30ml
350Kg	35ml
400Kg	40ml

MODE OF ACTION:

Actimec (Ivermectin) Pour On is a member of the macrocyclic lactone class of endectocides which have a unique mode of action. Compounds of the class bind selectively and with high affinity to glutamate-gated chloride ion channels which occur in invertebrate nerve and muscle cells.

This leads to an increase in the permeability of the cell membrane to chloride ions with hyperpolarization of the nerve or muscle cell, resulting in paralysis and death of the parasite. Compounds of this class may also interact with other ligand-gated chloride channels, such as those gated by the neurotransmitter gamma-aminobutyric acid (GABA).

The margin of safety for compounds of this class is attributable to the fact that mammals do not have glutamate-gated chloride channels, the macrocyclic lactones have a low affinity for other mammalian ligand-gated chloride channels and they do not readily cross the blood-brain barrier.

ANIMAL SAFETY:

Studies conducted in the U.S.A. have demonstrated the safety margin for Ivermectin. Based on plasma levels, the topically applied formulation is expected to be at least as well

tolerated by breeding animals as is the subcutaneous formulation which had no effect on breeding performance.

RESIDUE INFORMATION:

Cattle must not be treated within 34 days of slaughter for human consumption. Because a withdrawal time in milk has not been established, do not use in female dairy cattle of breeding age. A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.

WARNING! NOT FOR USE IN HUMANS:

This product should not be applied to self or others because it may be irritating to human skin and eyes and absorbed through the skin. To minimize accidental skin contact, the user should wear a long-sleeved shirt and rubber gloves. If accidental skin contact occurs, wash immediately with soap and water. If accidental eye exposure occurs, flush eyes immediately with water and seek medical attention.

Keep out of the reach of Children.

Warning! Flammable! Keep Away From Heat, Sparks, Open Flame, And Other Sources Of Ignition.

Precautions:

- Use only in well-ventilated area or outdoors.
- Close container tightly when not in use.
- This product is for application to skin surface only. Do not give orally or parenterally.
- Cloudiness in the formulation may occur when Actimec (Ivermectin) Pour On is stored at temperature between 15-25°C in a cool and dry place. Allowing to warm at room temperature will restore the normal appearance without affecting efficacy.
- Do not use in non-lactating dairy cows including heifers within 60 days of calving.

When To Treat Cattle With Grubs:

Actimec Pour On effectively controls all stages of cattle grubs. However, proper timing of treatment is important. For the most effective results, cattle should be treated as soon as possible after the end of the heel fly (warble fly) season. While this is not peculiar to Ivermectin, destruction of Hypodermal larvae (cattle grubs) at the period when these grubs are in vital areas may cause undesirable host-parasite reactions. Killing Hypodermal lineated

when it is in the esophageal tissues may cause bloat: killing *H. bovid* when it is in the vertebral canal may cause staggering or paralysis. Cattle should be treated either before or after these stages of grub development.

Cattle treated with Ivermectin Pour On at the end of the fly season may be re-treated with ivermectin during the winter without danger of grub-related reactions. For further information and advice on a planned parasite control program, consult your veterinarian.

ENVIRONMENTAL SAFETY:

Studies indicate that when Ivermectin comes in contact with the soil, it readily and tightly binds to the soil and becomes inactive over time. Free Ivermectin may adversely affect fish or certain aquatic organisms. Do not permit cattle to enter lakes, streams or ponds for at least six hours after treatment. Do not contaminate water by direct application or by the improper disposal of drug containers. Dispose of containers in an approved land fill or by incineration.

As with other Ivermectin, Ivermectin is excreted in the dung of treated animals and can inhibit the reproduction and growth of pest and beneficial insects that use dung as a source of food and for reproduction. The magnitude and duration of such effects are species and life-cycle specific. When used according to label directions, the product is not expected to have an adverse impact on populations of dung-dependent insects.

PACKAGE INFORMATION:

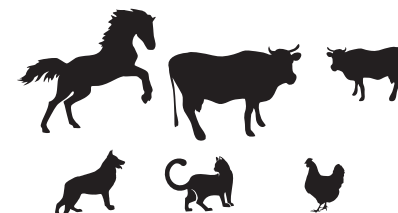
Actimec Pour On is available in Twin Neck Dosing Bottle in following pack sizes:

250mL = Dosing capacity 30mL

500mL = Dosing capacity 30mL

1000mL = Dosing capacity 60mL

BP. Vet. Specs.



 **Selmores**
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Manufactured by:
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