

**PROMECTIN B POUR-ON- ivermectin solution**  
**Vedco, Inc.**

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**ProMectin® B**

**Pour-On For Cattle**

**(ivermectin topical solution)**

**Approved by FDA under ANADA # 200-318**

**Contains 5 mg ivermectin/mL**

**Parasiticide**

**Consult your veterinarian for assistance in the diagnosis, treatment and control of parasitism.**

**INTRODUCTION**

ProMectin® B (ivermectin topical solution) Pour-On delivers internal and external parasite control in one convenient low-volume application. ProMectin® B (ivermectin topical solution) Pour-On contains ivermectin, a unique chemical entity.

**MODE OF ACTION**

Ivermectin 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.

**INDICATIONS**

ProMectin® B (ivermectin topical solution) Pour-On applied at the recommended dose level of 500 mcg/kg is indicated for the effective treatment and control of these parasites.

**Gastrointestinal Roundworms**

|                                 |                              |
|---------------------------------|------------------------------|
| <i>Ostertagia ostertagi</i>     | (adults and L <sub>4</sub> ) |
| (including inhibited stage)     |                              |
| <i>Haemonchus placei</i>        | (adults and L <sub>4</sub> ) |
| <i>Trichostrongylus axei</i>    | (adults and L <sub>4</sub> ) |
| <i>T. colubriformis</i>         | (adults and L <sub>4</sub> ) |
| <i>Cooperia oncophora</i>       | (adults and L <sub>4</sub> ) |
| <i>Cooperia punctate</i>        | (adults and L <sub>4</sub> ) |
| <i>Cooperia surnabada</i>       | (adults and L <sub>4</sub> ) |
| <i>Strongyloides papillosus</i> | (adults)                     |
| <i>Oesophagostomum radiatum</i> | (adults and L <sub>4</sub> ) |
| <i>Trichuris</i> spp.           | (adults)                     |

## **Lungworms**

*Dictyocaulus viviparus* (adults and L<sub>4</sub>)

**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**

Ivermectin topical solution has been proved to effectively control infections and to protect cattle from re-infection with: *Oesophagostomum radiatum* and *Dictyocaulus viviparus* for 28 days after treatment; *Cooperia punctata* and *Trichostrongylus axei* for 21 days after treatment; *Ostertagia ostertagi*, *Haemonchus placei*, *Cooperia oncophora* and *Cooperia surnabada* for 14 days after treatment; *Damalinia bovis* for 56 days after treatment.

## **TREATMENT OF CATTLE FOR HORN FLIES**

ProMectin® B (ivermectin topical solution) Pour-On controls horn flies (*Haematobia irritans*) for up to 28 days after dosing. For best results ProMectin® B (ivermectin topical solution) Pour-On should be part of a parasite control program for both internal and external parasites based on the epidemiology of these parasites. Consult your veterinarian or an entomologist for the most effective timing of applications.

## **DOSAGE**

The dose rate is 1 mL for each 22 lb of body weight. The formulation should be applied along the topline in a narrow strip extending from the withers to the tailhead.

Do not underdose. Ensure each animal receives a complete dose based on a current body weight. Underdosing may result in ineffective treatment, and encourage the development of parasite resistance.

## **ADMINISTRATION Backpack (5 Liter Pack)**

Connect the applicator gun to the backpack as follows:

- Attach the open end of the draw-off tubing to the dosing equipment. (Because of the solvents used in the formulation, only the Protector Drench Gun from Instrument Supplies Limited, or equivalent, is recommended. Other applicators may exhibit compatibility problems resulting in locking, incorrect dosage or leakage).
- Replace the shipping cap with the draw-off cap and tighten down. Attach draw-off tubing to the draw-off cap.
- Gently prime the applicator gun, checking for leaks.

- Follow the manufacturer's directions for adjusting the dose.
- When the interval between uses of the applicator gun is expected to exceed 12 hours, disconnect the gun and draw-off tubing from the product container and empty the product from the gun and tubing back into the product container. To prevent removal of special lubricants from the Protector Drench Gun, the gun and tubing must not be washed.

## **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.

## **WARNING**

### **NOT FOR USE IN HUMANS.**

**Keep this and all drugs out of the reach of children.**

The Safety Data Sheet (SDS) contains more detailed occupational safety information. To report suspected adverse drug events, for technical assistance or to obtain a copy of the SDS, contact Bimeda, Inc. at 1-888-524-6332. For additional information about adverse drug experience reporting for animal drugs, contact FDA at 1-888-FDA-VETS or online at [www.fda.gov/reportanimalae](http://www.fda.gov/reportanimalae).

## **WARNING! FLAMMABLE!**

**KEEP AWAY FROM HEAT, SPARKS,**

**OPEN FLAME, AND OTHER SOURCES OF IGNITION.**

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.

## **RESIDUE WARNING:**

Cattle must not be treated within 48 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.

## **PRECAUTIONS**

- **Store at 20°C - 25°C (68°F - 77°F) and protect from light. Excursions permitted to 104°F (40°C).**
- Use only in well-ventilated areas or outdoors.
- Close container tightly when not in use.
- Cattle should not be treated when hair or hide is wet since reduced efficacy may be experienced.
- Do not use when rain is expected to wet cattle within six hours after treatment.
- This product is for application to skin surface only. Do not give orally or parenterally.
- Cloudiness in the formulation may occur when ProMectin® B Pour-On is stored at temperatures below 32°F. Allowing to warm at room temperature will restore the normal appearance without affecting efficacy.
- Antiparasitic activity of ivermectin will be impaired if the formulation is applied to areas of the skin with mange scabs or lesions, or with dermatoses or adherent materials, e.g., caked mud or manure.
- Ivermectin has been associated with adverse reactions in sensitive dogs; therefore, ProMectin® B (ivermectin topical solution) Pour-On is not recommended for use in species other than cattle.

- Restricted Drug (California)—Use only as directed.

### **When to Treat Cattle with Grubs**

ProMectin® B (ivermectin topical solution) 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 *Hypoderma* larvae (cattle grubs) at the period when these grubs are in vital areas may cause undesirable host-parasite reactions. Killing *Hypoderma lineatum* when it is in the esophageal tissues may cause bloat; killing *H. bovis* 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 ProMectin® B (ivermectin topical solution) Pour-On at the end of the fly season may be re-treated with ProMectin® B (ivermectin topical solution) Pour-On during the winter without danger of grub-related reactions. For further information and advice on a planned parasite control program, consult your veterinarian.

### **OTHER WARNINGS**

Parasite resistance may develop to any dewormer, and has been reported for most classes of dewormers.

Treatment with a dewormer used in conjunction with parasite management practices appropriate to the geographic area and the animal(s) to be treated may slow the development of parasite resistance.

Fecal examinations or other diagnostic tests and parasite management history should be used to determine if the product is appropriate for the herd/flock, prior to the use of any dewormer. Following the use of any dewormer, effectiveness of treatment should be monitored (for example, with the use of a fecal egg count reduction test or another appropriate method).

A decrease in a drug's effectiveness over time as calculated by fecal egg count reduction tests may indicate the development of resistance to the dewormer administered. Your parasite management plan should be adjusted accordingly based on regular monitoring.

### **Environmental Safety**

Studies indicate that when ivermectin comes in contact with 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 6 hours after treatment.

Do not contaminate water by direct application or by the improper disposal of drug containers. Dispose of containers in an approved landfill or by incineration.

As with other avermectins, 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-dependant insects.

### **HOW SUPPLIED**

ProMectin® B (ivermectin topical solution) Pour-On is available in a 5 Liter Pack intended for use with appropriate automatic dosing equipment.

NDC# 50989-334-32

**VEDCO**

***ProMectin<sup>®</sup> B***  
***Pour-On For Cattle***

**(ivermectin  
topical solution)**

***Parasiticide • Contains 5 mg ivermectin/mL***

Kills: Roundworms (including Brown Stomach Worm),  
Lungworms, Grubs, Sucking Lice, Biting Lice,  
Mange Mites, Horn Flies

Approved by FDA under ANADA # 200-318

**Net Contents:**  
**5 L (169 fl oz)**

1PR0063 8PR0017 Rev 05/20

Manufactured for:  
Vedco, Inc.  
St. Joseph, MO 64507  
[www.vedco.com](http://www.vedco.com)

# ProMectin® B Pour-On For Cattle

## (ivermectin topical solution)

Consult your veterinarian for assistance in the diagnosis, treatment and control of parasitism.

**INDICATIONS** For the treatment and control of gastrointestinal roundworms (including inhibited *Ostertagia ostertagi*), lungworms, grubs, horn flies, sucking and biting lice, and sarcoptic mange mites in cattle.

See package insert for complete indications and use directions.

Recommended Dose: 1 mL per 22 lb of body weight.

Do not underdose. Ensure each animal receives a complete dose based on a current body weight. Underdosing may result in ineffective treatment, and encourage the development of parasite resistance.

### WARNING

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Restricted Drug (California) - Use only as directed

ProMectin® is a Registered Trademark of Vedco, Inc.

1PRO063 8PR0017B Rev 05/20

TAKE TIME  OBSERVE LABEL DIRECTIONS



LOT:  
EXP:

**VEDCO**

Manufactured for:  
Vedco, Inc.  
St. Joseph, MO



## PROMECTIN B POUR-ON

ivermectin solution

### Product Information

|                         |                 |                    |               |
|-------------------------|-----------------|--------------------|---------------|
| Product Type            | OTC ANIMAL DRUG | Item Code (Source) | NDC:50989-334 |
| Route of Administration | TOPICAL         |                    |               |

### Active Ingredient/Active Moiety

| Ingredient Name  | Basis of Strength | Strength        |
|--|-------------------|-----------------|
| IVERMECTIN (UNII: 8883YP2R6D) (IVERMECTIN - UNII:8883YP2R6D) | IVERMECTIN        | 5 mg in 0.001 L |

### Packaging

| # | Item Code        | Package Description | Marketing Start Date | Marketing End Date |
|---|------------------|---------------------|----------------------|--------------------|
| 1 | NDC:50989-334-32 | 5 L in 1 BOTTLE     |                      |                    |

## Marketing Information

| Marketing Category | Application Number or Monograph Citation | Marketing Start Date | Marketing End Date |
|--------------------|--|----------------------|--------------------|
| ANADA              | ANADA200318                              | 06/25/2020           |                    |

**Labeler** - Vedco, Inc. (021634266)

**Registrant** - Bimeda, Inc. (060492923)

## Establishment

| Name         | Address | ID/FEI    | Business Operations |
|--------------|---------|-----------|---------------------|
| Bimeda, Inc. |         | 060492923 | manufacture         |

## Establishment

| Name  | Address | ID/FEI    | Business Operations |
|---|---------|-----------|---------------------|
| SHANDONG QILU KING-PHAR PHARMACEUTICAL CO LTD |         | 421524323 | api manufacture     |

## Establishment

| Name   | Address | ID/FEI    | Business Operations |
|--|---------|-----------|---------------------|
| Aino Co., Ltd. of North China Pharmaceutical Group |         | 529804676 | api manufacture     |

Revised: 6/2020

Vedco, Inc.