

## **IVERMECTIN POUR-ON FOR CATTLE- ivermectin solution**

### **Durvet**

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### **IVERMECTIN**

**(ivermectin topical solution)**  
**5 mg ivermectin per mL**  
**POUR-ON for Cattle POUR-ON for Cattle**

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

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.

**WARNING! FLAMMABLE! KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME, AND OTHER SOURCES OF IGNITION.**

Approved by FDA under ANADA # 200-340  
Restricted Drug (California) - Use Only as Directed

**For Animal Use Only • Keep Out of Reach of Children**

**[www.durvet.com](http://www.durvet.com)**

See attached booklet for complete indications and use directions.

### **Parasiticide**

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

### **INTRODUCTION**

Ivermectin Pour-On for Cattle (ivermectin topical solution) delivers internal and external parasite control in one convenient low-volume application. Ivermectin Pour-On for Cattle 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

Ivermectin Pour-On for Cattle 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> (including inhibited stage)	(adults and L <sub>4</sub> )
<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 punctata</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

<i>Dictyocaulus viviparus</i>	(adults and L <sub>4</sub> )
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**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 Pour-On for Cattle 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

Ivermectin Pour-On for Cattle controls horn flies (*Haematobia irritans*) for up to 28 days after dosing. For best results Ivermectin Pour-On for Cattle 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.

## **ADMINISTRATION**

For the 250 mL and 1 Liter containers, see the diagram on the last page of this insert. Each 5 mL will treat 110 lbs body weight. When body weight requires a drug product volume that is between the measuring markings, use the next higher increment.

### **Applicator Gun**

(2.5 L, 5 L and 5 gallon bottles)

Because of the solvents used in Ivermectin Pour-On for Cattle, an applicator gun is recommended.

Follow the applicator gun manufacturer's directions for priming the gun, adjusting the dose, and care of the applicator gun following use.

<b>Weight</b>	<b>Dose</b>
220 lb (100 kg)	10 mL
330 lb (150kg)	15 mL
440 lb (200 kg)	20 mL
550 lb (250 kg)	25 mL
660 lb (300 kg)	30 mL
770 lb (350 kg)	35 mL
880 lb (400 kg)	40 mL
990 lb (450 kg)	45 mL
1100 lb (500 kg)	50 mL

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.

## **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 reach of children.**

The Safety Data Sheet (SDS) contains more detailed occupational safety information. To report adverse effects, obtain an SDS or for assistance, contact First Priority, Inc. at 1-800-650-4899.

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.

**WARNING! FLAMMABLE! KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME, AND OTHER SOURCES OF IGNITION.**

**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.

## **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 reductions tests may indicate the development of resistance to the dewormer administered. Your parasite management plan should be adjusted accordingly based on regular monitoring.

## **PRECAUTIONS:**

- **Store at or below 25°C (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 Ivermectin Pour-On for Cattle 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 dermatosis or adherent materials, e.g., caked mud or manure.
- Ivermectin has been associated with adverse reactions in sensitive dogs; therefore, Ivermectin Pour-On for Cattle is not recommended for use in species other than cattle.
- Restricted Drug (California) - Use only as directed.

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

Ivermectin Pour-On for Cattle 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 Ivermectin Pour-On for Cattle at the end of the fly season may be re-treated with Ivermectin Pour-On for Cattle 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 and 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 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-dependent insects.

## **HOW SUPPLIED:**

Ivermectin Pour-On for Cattle is available in 250 mL (8.5 fl oz) and 1 L (33.8 fl oz) tip and measure bottles, and 2.5 L (84.5 fl oz), 5 L (169.0 fl oz), and 5 Gallon (639.0 fl oz) containers for use with an appropriate automatic dosing applicator.

Manufactured for:

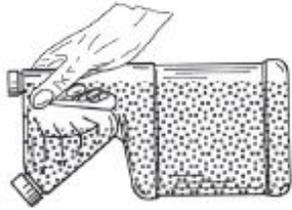
**Durvet Inc.**

Blue Springs, Missouri 64014

**[www.durvet.com](http://www.durvet.com)**



**tip“N” measure®**  
the exact amount



**① MEASURE**



**② CHECK**



**③ ADJUST**



**④ POUR**

The graduated measuring chamber  
of the container has 10 mL, 15 mL,  
20 mL and 25 mL graduations.

**NET CONTENTS: 250 mL (8.5 fl oz)**

NDC 30798-927-13

**durvet**

# IVERMECTIN (ivermectin topical solution) POUR-ON<sup>®</sup> for Cattle 5 mg ivermectin per mL

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

**WARNING! FLAMMABLE!**  
**KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME,  
AND OTHER SOURCES OF IGNITION.**

Approved by FDA under ANADA # 200-340  
Restricted Drug (California) - Use Only as Directed  
For Animal Use Only • Keep Out of Reach of Children

[www.durvet.com](http://www.durvet.com)

**NET CONTENTS: 250 mL (8.5 fl oz)**

See attached booklet for complete indications and use directions.

ISS21XB01 FP

**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.
- Do not use when rain is expected to wet cattle within six hours after treatment.
- 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 Ivermectin Pour-On for Cattle is stored at temperatures below 25°C. Allowing the worm 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 dandruff or adherent materials, e.g., cald mud or manure.
- Ivermectin has been associated with adverse reactions in sensitive dogs; therefore, Ivermectin Pour-On for Cattle is not recommended for use in species other than cattle.
- Restricted Drug (California) - 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 Ivermectin Pour-On for Cattle is stored at temperatures below 25°C. Allowing the worm 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 dandruff or adherent materials, e.g., cald mud or manure.
- Ivermectin has been associated with adverse reactions in sensitive dogs; therefore, Ivermectin Pour-On for Cattle is not recommended for use in species other than cattle.
- Restricted Drug (California) - Use only in well-ventilated areas or outdoors.

**PRECAUTIONS:**

- Store at or below 25°C (77°F) and protect from light. Excursions permitted to 10°F (40°C).
- Use only in well-ventilated areas or outdoors.

**When to Treat Cattle with Grubs**

Ivermectin Pour-On for Cattle 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 (wattle fly) season. While this is not peculiar to ivermectin, destruction of *Hypoderma lineatum* (cattle grub) 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 host-killing if, however, 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 for Cattle at the end of the fly season may be re-treated with Ivermectin Pour-On for Cattle 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. Ivermectin may adversely affect fish and certain aquatic organisms. Do not permit cattle to enter lakes, streams or ponds for at least six hours after dosing. 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 drug-dependent insects.

**HOW SUPPLIED:**  
Ivermectin Pour-On for Cattle is available in 250 mL (8.5 fl oz) and 1,033.8 fl oz (31.19 gal) and 5 Gallon (189.3 fl oz) containers for use with an appropriate automatic dosing applicator.

Manufactured by Durvet Inc., Blue Springs, MO 64014  
[www.durvet.com](http://www.durvet.com)  
Made in the USA.

**tipNmeasure<sup>®</sup>**  
the exact amount

① MEASURE ② CHECK  
③ ADJUST ④ POUR

The graduated measuring chamber of the container has 10 mL, 15 mL, 20 mL, and 25 mL graduations.

NDC 30798-927-13

**durvet**

## IVERMECTIN<sup>®</sup>

(ivermectin  
topical solution)  
POUR-ON<sup>®</sup> for Cattle  
5 mg ivermectin per mL

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

**WARNING! FLAMMABLE!**  
**KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME,  
AND OTHER SOURCES OF IGNITION.**

Approved by FDA under ANADA # 200-340  
Restricted Drug (California) - Use Only as Directed  
For Animal Use Only • Keep Out of Reach of Children

[www.durvet.com](http://www.durvet.com)  
**NET CONTENTS: 250 mL (8.5 fl oz)**

**Ivermectin Pour-On for Cattle**  
(ivermectin topical solution)  
Approved by FDA under ANADA # 200-340  
Contains 5 mg ivermectin/mL

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

**INTRODUCTION**  
Ivermectin Pour-On for Cattle (ivermectin topical solution) delivers internal and external parasite control in one convenient low-volume application. Ivermectin Pour-On for Cattle 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 do not readily cross the blood brain barrier.

**INDICATIONS**  
Ivermectin Pour-On for Cattle applied at the recommended dose level of 5.0 mg/kg is indicated for the effective treatment and control of these parasites:

- Gastrointestinal Roundworms**  
(*Ostertagia ostertagi* (including inhibited stage) (adults and L4))
- Haemonchus placei* (adults and L4)  
*Trichostrongylus axei* (adults and L4)  
*I. colubriformis* (adults and L4)  
*Cooperia oncophora* (adults and L4)  
*Cooperia punctata* (adults and L4)  
*Cyathostomum surnabada* (adults and L4)  
*Synsphyrtodes papillatus* (adults and L4)  
*Desmophistomum radiatum* (adults and L4)  
*Trichostrongylus axei* (adults and L4)
- Lungworms**  
*Dictyocaulus viviparus* (adults and L4)

**Cattle Grubs** (parasitic stages)

- Hypoderma bovis* H. lineatum  
**Mites**  
*Sarcoptes scabiei* var. *Bovis*  
**Lice**  
*Linognathus setosus*  
*Haematopinus eurysternus*  
*Dermanyssus Bovis*  
*Solenopotes capillatus*  
**Horn Flies**  
*Absortomyia irritans*

**PERSISTENT ACTIVITY**

Ivermectin Pour-On for Cattle has been proved to effectively control infections and to protect cattle from re-infection with: *Geophagotum radatum* 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. **TREATING HORNS FOR HORN FLIES**  
Ivermectin Pour-On for Cattle controls horn

flies (*Absortomyia irritans*) for up to 26 days after dosing. For best results Ivermectin Pour-On for Cattle 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.

**DOSEAGE**  
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.

**ADMINISTRATION**  
For the 250 mL and 1 Liter containers, see the diagram on the last page of this insert. Each 5 mL will treat 110 lb body weight. When body weight requires a drug product volume that is between the measuring markings, use the next higher increment.

**APPLICATOR GUN**  
(2.5 L, 5 L, and 5 gallon bottles)  
Because of the solvents used in Ivermectin Pour-On for Cattle, an applicator gun is recommended. Follow the applicator gun manufacturer's

directions for priming the gun, adjusting the dose, and care of the applicator gun following use.

Weight	Dose	Weight	Dose
220 lb (100 kg)	10 mL	770 lb (350 kg)	35 mL
330 lb (150 kg)	15 mL	880 lb (400 kg)	40 mL
440 lb (200 kg)	20 mL	990 lb (450 kg)	45 mL
550 lb (250 kg)	25 mL	1100 lb (500 kg)	50 mL
660 lb (300 kg)	30 mL		

Do not underestimate. 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.

**ANIMAL SAFETY**  
Studies conducted in the USA 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 reach of children.

The Safety Data Sheet (SDS) contains more detailed occupational safety information. To report adverse effects, obtain an SDS or for assistance, contact First Priority, Inc. at 1-800-850-8899.

**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-maturing calves. Do not use in calves to be processed for veal.



1.0 L Container/Carton

**durvet**  
**IVERMECTIN**  
 (ivermectin  
 topical solution)  
 **POUR-ON for Cattle**  
 5 mg ivermectin per mL

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 circumcincta*), lungworms, grubs, horn flies, sucking and biting lice, and sarcoptic mange mites in cattle.

See package insert for complete indications and use directions.

**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**  
 The graduated measuring chamber of the 250 mL and 1 Liter containers have 10 mL, 15 mL, 20 mL and 25 mL graduations. Each 5 mL will treat 110 lbs body weight. When body weight requires a drug product volume that is between the measuring markings, use the next higher increment.

Manufactured for:  
 Durvet, Inc.  
 Blue Springs, MD 64014  
 www.durvet.com

Lot No. Exp. Date  
 no coating



**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 intramuscular formulation which had no effect on breeding performance.

**WARNING**  
**NOT FOR USE IN HUMANS.**  
 Keep this and all drugs out of reach of children.

This product should not be applied to cats or dogs because it may be irritating to feline 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.

**WARNING! FLAMMABLE! KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME, AND OTHER SOURCES OF IGNITION.**

**RESIDUE WARNING:** Cattle must not be treated within 40 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.

**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 treatments 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 reductions tests may indicate the development of resistance to the dewormer administered. Your parasite management plan should be adjusted accordingly based on regular monitoring.

**durvet**  
  
**IVERMECTIN**  
 (ivermectin  
 topical solution)  
**POUR-ON for Cattle**  
 5 mg ivermectin per mL  
 NET CONTENTS: 250 mL (8.5 fl oz)

NDC 30798-927-13  
**durvet**  
**IVERMECTIN**  
 (ivermectin  
 topical solution)  
 **POUR-ON for Cattle**  
 5 mg ivermectin per mL

**PARASITICIDE**  
 Kills: Roundworms (including Brown Stomach Worm), Lungworms, Grubs, Sucking Lice, Biting Lice, Mange Mites, Horn Flies  
**Contains: 10 x 550 lb Doses**

Approved by FDA under ANADA # 200-340  
**For Animal Use Only**  
**Keep Out of Reach of Children**  
 www.durvet.com  
 NET CONTENTS: 250 mL (8.5 fl oz)

The topically applied formulation of ivermectin Pour-On for Cattle (ivermectin topical solution) delivers internal and external parasite control in one convenient low volume application.

**PRECAUTIONS:**

- Store at or below 25°C (77°F) and protect from light. Excursions permitted to 10°F (-4°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 Ivermectin Pour-On for Cattle is stored at temperatures below 32°F. Allowing to warm to 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., soaked feed or manure.
- Ivermectin has been associated with adverse reactions to several live, fibrous, ivermectin Pour-On for Cattle is not recommended for use in species other than cattle.
- To report suspected adverse drug events for Ivermectin Pour-On for Cattle, or to obtain a copy of the Safety Data Sheet (SDS), contact First Priority, Inc. at 1-800-424-4883.
- 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.
- Registered Drug (California) - Use only as directed.

  MADE IN THE USA





2.5 L Container/Carton

**durvet**  
**IVERMECTIN**  
 (ivermectin topical solution)  
**POUR-ON for Cattle**  
 5 mg ivermectin per mL

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

**INDICATIONS**

For the treatment and control of gastrointestinal roundworms (including inhibited *Ostertagia ostertagi*, lungworms, grubs, horn flies, sucking and biting lice, and seropreic mange mites in cattle. See package insert for complete indications and use directions.

**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**

The graduated measuring chamber of the 250 mL and 1 Liter containers have 10 mL, 15 mL, 20 mL and 25 mL graduations. Each 5 mL will treat 110 lb body weight. When body weight requires a drug product volume that is between the measuring markings, use the next higher increment.

Manufactured by:  
 Durvet, Inc.  
 Blue Springs, MO 64014  
 www.durvet.com

List No. Exp. Date  
 no coating



**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.**

This product should not be applied to soil 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.

**WARNING! FLAMMABLE! KEEP  
 AWAY FROM HEAT, SPARKS,  
 OPEN FLAME, AND OTHER  
 SOURCES OF IGNITION.**

**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.

**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 animals 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.

**durvet**  
**IVERMECTIN**  
 (ivermectin topical solution)  
**POUR-ON for Cattle**  
 5 mg ivermectin per mL

NET CONTENTS: 1 Liter (33.8 fl oz)

NDC 30798-927-20

**durvet**  
**IVERMECTIN**  
 (ivermectin topical solution)  
**POUR-ON for Cattle**  
 5 mg ivermectin per mL

**PARASITICIDE**

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

**Contains: 40 x 550 lb Doses**

Approved by FDA under ANADA # 200-340

**For Animal Use Only  
 Keep Out of Reach of Children**

**www.durvet.com**  
**NET CONTENTS: 1 Liter (33.8 fl oz)**

This topically applied formulation of Ivermectin Pour-On for Cattle (ivermectin topical solution) delivers internal and external parasite control in one convenient, low volume application.

**PRECAUTIONS:**

- Store at or below 25°C (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 rain or dew 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.
- Caution: The formulation may irritate when Ivermectin Pour-On for Cattle 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 dermatitis or other irritations, e.g., salted feed or mounds.
- Ivermectin has been associated with adverse reactions in sensitive dogs; therefore, Ivermectin Pour-On for Cattle is not recommended for use in species other than cattle.
- To report suspected adverse drug events, for technical assistance, or to obtain a copy of the Safety Data Sheet (SDS), contact First Priority, Inc. at 1-800-693-4899.
- 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.
- Restricted Drug (California) – Use only as directed.



NDC 30798-927-78

**durvet**

# IVERMECTIN (ivermectin topical solution)



**POUR-ON for Cattle**  
5 mg ivermectin per mL

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

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.

**WARNING! FLAMMABLE! KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME, AND OTHER SOURCES OF IGNITION.**

Approved by FDA under ANADA # 200-340

Restricted Drug (California) - Use Only as Directed

For Animal Use Only • Keep Out of Reach of Children

[www.durvet.com](http://www.durvet.com)

**NET CONTENTS: 2.5 Liter (84.5 fl oz)**

See attached booklet for complete indications and use directions.



ISS21XB01 FP

**Ivermectin Pour-On for Cattle  
(ivermectin topical solution)**  
Approved by FDA under ANADA # 200-340  
Contains 5 mg ivermectin/mL

**Parasiticide**

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

**INTRODUCTION**

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

**MODE OF ACTION**

Ivermectin is a member of the macrocyclic lactone class of antielectrolytic which have a unique mode of action. Compounds of this 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**

Ivermectin Pour-On for Cattle applied at the recommended dose level of 500 mcg/kg is indicated for the effective treatment and control of these parasites.

**Gastrointestinal Roundworms**

*Ostertagia ostertagi* (including inhibited stage)

*Haemonchus placei*

*Trichostrongylus axei*

*T. colubriformis*

*Cooperia oncophora*

*Cooperia punctata*

*Cooperia surinabarabisi*

*Strongylidae papillosus*

*Oesophagostomum radiatum*

*Trichuris* spp.

**Lungworms**

*Dictyocaulus viviparus*

**Cattle Grubs**

*Hypoderma bovis*

*H. lineatum*

**Mites**

*Sarcoptes scabiei* var. *bovis*

**Lice**

*Linognathus vituli*

*Haematoporus eurystomus*

*Damalinia bovis*

*Solenopotes capillatus*

**Horn Flies**

*Haematobia irritans*

**PERSISTENT ACTIVITY**

Ivermectin Pour-On for Cattle 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 surinabarabisi* for 14 days after treatment; *Damalinia bovis* for 56 days after treatment.

**TREATMENT OF CATTLE FOR HORN FLIES**

Ivermectin Pour-On for Cattle controls horn flies (*Haematobia irritans*) for up to 28 days after dosing. For best results Ivermectin Pour-On for Cattle should be part of a parasite control program for both internal and external parasites based on the

(adults and L4)

epidemiology of these parasites. Consult your veterinarian or an entomologist for the most effective timing of applications.

**DOSE**

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.

**ADMINISTRATION**

For the 250 mL and 1 Liter containers, see the diagram on the last page of this insert. Each 5 mL will treat 110 lbs body weight. When body weight requires a drug product volume that is between the measuring markings, use the next higher increment.

**Applicator Gun**

(2.5 L, 5 L and 5 gallon bottles)

Because of the solvents used in Ivermectin Pour-On for Cattle, an applicator gun is recommended.

Follow the applicator gun manufacturer's directions for priming the gun, adjusting the dose, and care of the applicator gun following use.

Weight	Dose	Weight	Dose
220 lb (100 kg)	10 mL	770 lb (350 kg)	35 mL
330 lb (150 kg)	15 mL	880 lb (400 kg)	40 mL
440 lb (200 kg)	20 mL	990 lb (450 kg)	45 mL
550 lb (250 kg)	25 mL	1100 lb (500 kg)	50 mL
660 lb (300 kg)	30 mL		

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.

**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 in 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 adverse effects, obtain an SDS or for assistance, contact First Priority, Inc. at 1-800-650-4899.

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.

**WARNING! FLAMMABLE! KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME, AND OTHER SOURCES OF IGNITION.**

**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.

**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.

**PRECAUTIONS:**

• Store at or below 25°C (77°F) and protect from light. Excursions permitted to 10°F (60°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 Ivermectin Pour-On for Cattle 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 scales or lesions, or with dermatosis or adherent materials, e.g., caked mud or manure.
- Ivermectin has been associated with adverse reactions in avian species; therefore, Ivermectin Pour-On for Cattle is not recommended for use in species other than cattle.
- Restricted Drug (California) - Use only as directed.

**When to Treat Cattle with Grubs**

Ivermectin Pour-On for Cattle 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 host 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 Ivermectin Pour-On for Cattle at the end of the fly season may be re-treated with Ivermectin Pour-On for Cattle 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 and 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 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-dependent insects.

**HOW SUPPLIED:**

Ivermectin Pour-On for Cattle is available in 250 mL (8.5 fl oz) and 1 L (33.8 fl oz) tip and measure bottles, and 2.5 L (84.5 fl oz), 5 L (169.0 fl oz), and 5 Gallon (33.8 fl oz) containers for use with an appropriate automatic dosing applicator.

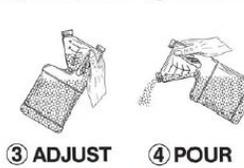
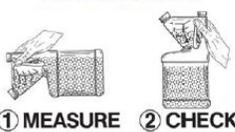
Manufactured by:  
**Durvet Inc.**  
Blue Springs, Missouri 64014  
[www.durvet.com](http://www.durvet.com)

**durvet**



ISS21XB01 FP

**tip N measure®**  
the exact amount



The graduated measuring chamber of the container has 10 mL, 15 mL, 20 mL and 25 mL graduations.

NDC 30798-927-78

**durvet**

# IVERMECTIN (ivermectin topical solution)

**POUR-ON for Cattle**  
5 mg ivermectin per mL

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

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.

**WARNING! FLAMMABLE! KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME, AND OTHER SOURCES OF IGNITION.**

Approved by FDA under ANADA # 200-340

Restricted Drug (California) - Use Only as Directed

For Animal Use Only • Keep Out of Reach of Children

[www.durvet.com](http://www.durvet.com)

**NET CONTENTS: 2.5 Liter (84.5 fl oz)**

**durvet**  
**IVERMECTIN**  
 (ivermectin  
 topical solution)  
**POUR-ON for Cattle**  
 5 mg ivermectin per mL

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

**INDICATIONS**

For the treatment and control of gastrointestinal roundworms (including inhibited *Ostertagia circumcincta*), lungworms, grubs, horn flies, sucking and biting lice, and ascarid egg intake in cattle.

**DOSEAGE**

The dose rate is 1 mL for each 22 lb of body weight. The formulation should be applied along the top line of a horse or along the withers in the full neck.

**ADMINISTRATION**

The product measuring chamber of the 250 mL and 1 Liter containers have 10 mL, 20 mL, 30 mL, and 50 mL graduations. Each 1.5 mL will treat 170 lb body weight. When body weight requires a drug product volume that is between the measuring markings, use the next higher increment.

Manufactured by:  
 Durvet, Inc.  
 Blue Springs, MO 64014  
 www.durvet.com

Lot No.      Exp. Date  
**non coating**



**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 breathing animals as is the subcutaneous formulation which has no effect on breathing performance.

**WARNING  
 NOT FOR USE IN  
 HUMANS.**

Keep this and all drugs out of the reach of children.  
 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 coat and rubber gloves. If accidental skin contact occurs, wash immediately with soap and water. If ocular eye exposure occurs, flush eyes immediately with water and seek medical attention.

**WARNING! FLAMMABLE! KEEP  
 AWAY FROM HEAT, SPARKS,  
 OPEN FLAME, AND OTHER  
 SOURCES OF IGNITION.**

**DISCONTINUE WARNING:** Cattle must not be treated within 48 days of slaughter for human consumption. Because a withdrawal time is not yet established, do not use in lambs during milking or in other animals where milk is used for human consumption. Do not use in calves to be processed for veal.

**OTHER INFORMATION**

- Parasite resistance may develop in 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.
- Past experiments in other diagnostic tests and parasite management history should be used to determine if this 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 indicated by fecal egg count reductions both may indicate the development of resistance to the dewormer administered. Your parasite management plan should be adjusted accordingly based on regime monitoring.

**durvet**  
**IVERMECTIN**  
 (ivermectin  
 topical solution)  
**POUR-ON for Cattle**  
 5 mg ivermectin per mL

NET CONTENTS: 2.5 Liter (84.5 fl oz)

NDC 30798 927-76

**durvet**  
**IVERMECTIN**  
 (ivermectin  
 topical solution)  
**POUR-ON for Cattle**  
 5 mg ivermectin per mL

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

**Contains: 100 x 550 lb Doses**

Approved by FDA under ANADA # 200-340

**For Animal Use Only  
 Keep Out of Reach of Children**

**www.durvet.com**  
**NET CONTENTS: 2.5 Liter (84.5 fl oz)**

This topically applied formulation of ivermectin Pour-On for Cattle (ivermectin topical solution) delivers ivermectin and certain parasiticides to the cow's coat when topically applied.

**PRECAUTIONS:**

- Store at or below 20°C (67°F) and protect from light. Excursions permitted to 15°F (60°C).
- Use only on well-ventilated areas or outdoors.
- Close container tightly whenever in use.
- Cattle should not be treated when hot or cold to wet skin unless efficacy may be expected.
- Do not use when skin is expected to wet cattle within six hours after treatment.
- This product is for application to skin surface only. Do not get inside or generally.
- Caution: In the formulation may occur when ivermectin Pour-On for Cattle is stored at temperatures below 20°F. Allowing to warm at room temperature will restore the normal appearance without affecting efficacy.
- Adverse effects: activity of ivermectin will be impaired if the formulation is applied to areas of the skin with large scale or vesicles, or with dermatitis or other abnormality, e.g., scald, mud or manure.
- Ivermectin has been associated with adverse reactions in some fish species. Therefore, ivermectin Pour-On for Cattle is not recommended for use in species other than cattle.
- To report suspected adverse drug events, the technical assistance, or to obtain a copy of the Safety Data Sheet (SDS), contact Theria Priority, Inc. at 1-800-525-4025.
- Do not contaminate water by direct application or by the improper disposal of drug containers. Disposal of containers is an approved method or by incineration.
- Restricted Drug Distribution - Use only as directed.



NDC 30798-927-78

**durvet**

# IVERMECTIN (ivermectin topical solution)



**POUR-ON for Cattle**  
5 mg ivermectin per mL

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

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.

**WARNING! FLAMMABLE! KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME, AND OTHER SOURCES OF IGNITION.**

Approved by FDA under ANADA # 200-340

Restricted Drug (California) - Use Only as Directed

For Animal Use Only • Keep Out of Reach of Children

[www.durvet.com](http://www.durvet.com)

**NET CONTENTS: 2.5 Liter (84.5 fl oz)**

See attached booklet for complete indications and use directions.



ISS21XB01 FP

**Ivermectin Pour-On for Cattle  
(ivermectin topical solution)**  
Approved by FDA under ANADA # 200-340  
Contains 5 mg ivermectin/mL

**Parasiticide**

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

**INTRODUCTION**

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

**MODE OF ACTION**

Ivermectin is a member of the macrocyclic lactone class of antielectrolytic which have a unique mode of action. Compounds of this 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**

Ivermectin Pour-On for Cattle applied at the recommended dose level of 500 mcg/kg is indicated for the effective treatment and control of these parasites.

**Gastrointestinal Roundworms**

*Ostertagia ostertagi* (including inhibited stage)

*Haemonchus placei* (adults and L<sub>4</sub>)  
*Trichostrongylus axei* (adults and L<sub>4</sub>)  
*T. colubriformis* (adults and L<sub>4</sub>)  
*Cooperia oncophora* (adults and L<sub>4</sub>)  
*Cooperia punctata* (adults and L<sub>4</sub>)  
*Cooperia sunnibada* (adults and L<sub>4</sub>)  
*Strongylidae papillosus* (adults and L<sub>4</sub>)  
*Oesophagostomum radiatum* (adults and L<sub>4</sub>)  
*Trichuris* spp. (adults)

**Lungworms**

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

**Cattle Grubs**

*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 Pour-On for Cattle 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 sunnibada* for 14 days after treatment; *Damalinia bovis* for 56 days after treatment.

**TREATMENT OF CATTLE FOR HORN FLIES**

Ivermectin Pour-On for Cattle controls horn flies (*Haematobia irritans*) for up to 28 days after dosing. For best results Ivermectin Pour-On for Cattle 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.

**DOSE**  
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.

**ADMINISTRATION**  
For the 250 mL and 1 Liter containers, see the diagram on the last page of this insert. Each 5 mL will treat 110 lbs body weight. When body weight requires a drug product volume that is between the measuring markings, use the next higher increment.

**Applicator Gun**  
(2.5 L, 5 L and 5 gallon bottles)

Because of the solvents used in Ivermectin Pour-On for Cattle, an applicator gun is recommended. Follow the applicator gun manufacturer's directions for priming the gun, adjusting the dose, and care of the applicator gun following use.

Weight	Dose	Weight	Dose
220 lb (100 kg)	10 mL	770 lb (350 kg)	35 mL
330 lb (150 kg)	15 mL	880 lb (400 kg)	40 mL
440 lb (200 kg)	20 mL	990 lb (450 kg)	45 mL
550 lb (250 kg)	25 mL	1100 lb (500 kg)	50 mL
660 lb (300 kg)	30 mL		

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.

**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 in 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 adverse effects, obtain an SDS or for assistance, contact First Priority, Inc. at 1-800-650-4899.

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.

**WARNING! FLAMMABLE! KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME, AND OTHER SOURCES OF IGNITION.**

**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.

**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.

**PRECAUTIONS:**

- Store at or below 25°C (77°F) and protect from light. Excursions permitted to 10°F (60°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 Ivermectin Pour-On for Cattle 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 scales or lesions, or with dermatosis or adherent materials, e.g., caked mud or manure.
- Ivermectin has been associated with adverse reactions in avian species; therefore, Ivermectin Pour-On for Cattle is not recommended for use in species other than cattle.
- Restricted Drug (California) - Use only as directed.

**When to Treat Cattle with Grubs**

Ivermectin Pour-On for Cattle 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 host 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 Ivermectin Pour-On for Cattle at the end of the fly season may be re-treated with Ivermectin Pour-On for Cattle 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 and 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 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-dependent insects.

**HOW SUPPLIED:**

Ivermectin Pour-On for Cattle is available in 250 mL (8.5 fl oz) and 1 L (33.8 fl oz) tip and measure bottles, and 2.5 L (84.5 fl oz), 5 L (169.0 fl oz), and 5 Gallon (33.9 fl oz) containers for use with an appropriate automatic dosing applicator.

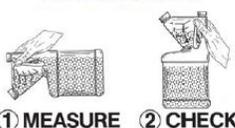
Manufactured by:  
**Durvet Inc.**  
Blue Springs, Missouri 64014  
[www.durvet.com](http://www.durvet.com)

**durvet**



ISS21XB01 FP

**tip N measure®**  
the exact amount



1 MEASURE 2 CHECK



3 ADJUST 4 POUR

The graduated measuring chamber of the container has 10 mL, 15 mL, 20 mL and 25 mL graduations.

NDC 30798-927-78

**durvet**

# IVERMECTIN (ivermectin topical solution)

**POUR-ON for Cattle**  
5 mg ivermectin per mL

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

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.

**WARNING! FLAMMABLE! KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME, AND OTHER SOURCES OF IGNITION.**

Approved by FDA under ANADA # 200-340

Restricted Drug (California) - Use Only as Directed

For Animal Use Only • Keep Out of Reach of Children

[www.durvet.com](http://www.durvet.com)

**NET CONTENTS: 2.5 Liter (84.5 fl oz)**



5.0 L Container/Carton





<h1>IVERMECTIN POUR-ON FOR CATTLE</h1> <p>ivermectin solution</p>				
Product Information				
Product Type	OTC ANIMAL DRUG	Item Code (Source)	NDC:30798-927	
Route of Administration	TOPICAL			
Active Ingredient/Active Moiety				
Ingredient Name		Basis of Strength	Strength	
IVERMECTIN (UNII: 8883YP2R6D) (IVERMECTIN - UNII:8883YP2R6D)		IVERMECTIN	5 mg in 1 mL	
Packaging				
#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:30798-927-13	12 in 1 CASE		
1		250 mL in 1 BOTTLE, PLASTIC		

2	NDC:30798-927-20	12 in 1 CASE		
2		1000 mL in 1 BOTTLE, PLASTIC		
3	NDC:30798-927-78	4 in 1 CASE		
3		2500 mL in 1 BOTTLE, PLASTIC		
4	NDC:30798-927-19	2 in 1 CASE		
4		5000 mL in 1 BOTTLE, PLASTIC		

## Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANADA	ANADA200340	09/15/2014	

**Labeler** - Durvet (056387798)

## Establishment

Name	Address	ID/FEI	Business Operations
FIRST PRIORITY INCORPORATED		179925722	manufacture, label

Revised: 1/2024

Durvet