Ivermectin Pour-On for cattle is indicated 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.

Approved For Use On:
Cattle

Active Ingredient:
5 mg of ivermectin per mL

Product Advantages:
- FDA approved and equivalent to the pioneer product.
- Proven performance.
- Broad-spectrum control of costly internal and external parasites.
- Low volume application.
- Up to 28 days of horn fly control.
- Provides a wide margin of safety with minimal animal stress.

Packaging:
5 Liter, 2/case  UPC# 7-45801-11045-8
Ivermectin Pour-On

ANADA 200-340, Approved by FDA
Ivermectin Pour-On for Cattle

5 mg ivermectin/mL

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

Introduction
Ivermectin Pour-On for Cattle delivers internal and external parasite control in one convenient low-volume application. Ivermectin is a potent anti-parasitic agent whose chemical structure is different from those of other anti-parasitic agents.

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

Gastrointestinal Roundworms
Ostertagia ostertagi (adults and L4)
Haemonchus placei (adults and L4)
Trichostrongylus axei (adults and L4)
Cooperia oncophora (adults and L4)
Cooperia punctata (adults and L4)
Cooperia lineata (adults and L4)
Oesophagostomum (adults and L4)
Trichura spp.

Lungworms
Dictyocaulus viviparus (adults and L4)

Cattle Grubs
Haematobia irritans (adults)
Sarcoptes scabiei var. Bovis (adults)
Hypoderma bovis (adults and L4)
Ostertagia radiatum (adults)
Hypoderma lineatum (adults)

Treatment for 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 110 lb of body weight. The formulation should be applied along the topline in a narrow strip extending from the withers to the tailhead.

Administration
Measuring Cup (250 mL, 1 L and 1 gallon bottles)
The enclosed measuring cup is graduated in 5 mL increments. Each 5 mL unit is 110 lb for cattle body weight. When body weight is between 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, the applicator gun from Genesis Instruments (EZ Doser™ or Power Doser™) or equivalent is recommended. Other applicators may exhibit compatibility problems and in some instances may result in incorrect dosage or leakage.

EZ Doser™ Operation:
1. Set the recommended dosage by turning the dose adjuster.
2. To prime the system, squeeze the handles repeatedly. This draws the fluid out of the container and into the EZ Doser™ 
3. To expel air out of the system, hold the EZ Doser™ in a vertical position and gently squeeze the handles until the air is purged.
4. EZ Doser™ is activated by squeezing the handles. The pre-set dose will be given each time. The EZ Doser™ will automatically refill after each use.

Power Doser™ Operation:
1. Set the recommended dosage by turning the dose adjuster.
2. Bled the line with rapid actuation of the Power Doser™
3. Empty the air in the barrel by actuating the system so that the barrel fills 100% with product.
4. Power Doser™ is activated by squeezing the knob. Power Doser™ will automatically refill after each use.

Follow the applicator gun manufacturer’s directions for priming the gun, adjusting the dose, and care of the applicator gun gliding-away.

Weight
Dose
220 lb (100 kg) 10 mL
330 lb (150 kg) 15 mL
440 lb (200 kg) 20 mL
530 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

Additional applicator guns can be purchased from Genesis Instruments, Elmwood, Wisconsin.

Mode of Action
Ivermectin as a member of the avermectin family contains several parasitic roundworms and ectoparasites, such as lice, horn flies and other insects. Its action is unique to the avermectin class of antiparasitic agents. This action involves a chemical that works by interfering with a nerve cell to another, or from a nerve cell to a muscle cell. This chemical is a neurotransmitter, Ivermectin is formulated as a water soluble sodium salt of the chemical aminobutyric acid or GABA. In roundworms, Ivermectin stimulates the release of GABA from nerve endings and enhances binding of GABA to special receptors at nerve junctures, thus interrupting nerve impulses - thereby paralyzing and killing the parasites. The enhancement of the GABA effect on arthropods such as lice, mites, and horn flies resembles that in roundworms, except that nerve impulses are interrupted between the nerve ending and the muscle cell. Again, this leads to paralysis and death. Ivermectin has no measurable effect against fleas or ticks, presumably because they do not have GABA as a nerve impulse transmitter.

RESIDUE INFORMATION: Cattle must not be treated within 48 days of slaughter for human consumption because a withdrawal period of time in milk has not been established. Do not use in females 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. When to Treat Cattle with Ivermectin Pour-On for Cattle should be used 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 penetrates 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 excrated in the dung of treated animals and can inhibit the reproduction of beneficial soil bacteria and nematodes as a source of food and for reproduction. The magnitude and duration of such effects are species and site specific. When used according to label directions, the product is not expected to have a significant impact on populations of dung-dependent insects.

For customer service, contact DURVET, INC.
Blue Springs, MO 64014

Ivermectin Pour-On for Cattle

Manufactured For:
DURVET, INC.
Blue Springs, MO 64014

Package Information:
Ivermectin Pour-On for Cattle is available in a 250 mL (8.5 fl oz), a 1 L (33.8 fl oz) and a 1 gallon (3.785 L) bottle for use with the measuring cup provided, a 2.5 L (8.45 fl oz) container, a 5 L (169.0 fl oz) container, and a 5 gallon (189.0 fl oz) container for use with the appropriate automatic dosing applicator.