

## FOR ANIMAL TREATMENT ONLY

# EPRIZERO POUR-ON

**Active Constituent:**  
**EPRINOMECTIN 5mg/mL**

## ECOTOXIC

**For the treatment and control in all ages of beef and dairy cattle (including lactating cows) of:**

- Gastrointestinal roundworms (including inhibited immature *Ostertagia ostertagi*)
- Lungworms
- Sucking and biting lice

### PRODUCT DESCRIPTION

Eprizero Pour-On delivers internal and external parasite control in one low volume application. Eprizero Pour-On contains eprinomectin, a unique chemical entity. Its convenience, broad-spectrum efficacy, zero milk discard time, and wide margin of safety make it a suitable product for parasite control in beef and dairy cattle, including lactating dairy cows.

### MODE OF ACTION

Eprinomectin is a member of the avermectin/milbemycin 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 avermectin/milbemycin compounds have a low affinity for other mammalian ligand-gated chloride channels and they do not readily cross the blood-brain barrier.

### PRODUCT INDICATIONS

Eprizero Pour-On contains eprinomectin, a member of the avermectin/milbemycin action family. It is effective against internal and external parasites sensitive to this family.

Resistance can develop to any anthelmintic. It is advisable that a resistance test be conducted regularly when using any parasite treatment.

Eprizero Pour-On applied at the recommended dose volume of 1 mL/10 kg liveweight to achieve a dose rate of 500µg eprinomectin/kg is indicated for the effective treatment and control of the following parasites.

## CATTLE

### Gastrointestinal roundworms:

		Adult	Immature	Inhibited L4
Small brown stomach worm	<i>Ostertagia ostertagi</i>	☑	☑	☑
Brown stomach worm	<i>O.lyrata</i>	☑		
Barbers pole worm	<i>Haemonchus sp.</i>	☑	☑	
Stomach hair worm	<i>Trichostrongylus axei</i>	☑	☑	
Intestinal hair worm	<i>T. colubriformis</i>	☑	☑	
Small intestinal worm	<i>Cooperia spp.</i>	☑	☑	☑
Nodule worm	<i>Oesophagostomum radiatum</i>	☑	☑	
Thin necked intestinal worm	<i>Nematodirus helvetianus</i>	☑	☑	
Hookworm	<i>Bunostomum phlebotomum</i>	☑	☑	
Whip worm	<i>Trichuris spp.</i>	☑		
<b>Lungworm:</b>	<i>Dictyocaulus viviparus</i>	☑	☑	

<b>Lice:</b>	
Sucking louse	<i>Ligognathus vituli</i>
Sucking louse	<i>Haematopinus eurysternus</i>
Sucking louse	<i>Solenopotes capillatus</i>
Biting louse	<i>Bovicola (Damalinia) bovis</i>

### PERSISTENT ACTIVITY IN CATTLE

EPRIZERO POUR-ON when given at the recommended dosage of 1 mL/10kg liveweight prevents reinfection of cattle with the following internal parasites for the time period indicated.

Parasite*	Persistent Activity
<i>Ostertagia spp.</i>	28 days
<i>Cooperia spp.</i>	21 days
<i>Nematodirus helvetianus</i>	14 days
<i>Oesophagostomum radiatum</i>	28 days
<i>Dictyocaulus viviparus</i>	28 days
<i>Haemonchus sp.</i>	14 days
<i>Trichostrongylus spp.</i>	14 days

\*The following parasite species are included within each of the relevant genera; *Ostertagia ostertagi*, *O.lyrata*, *O.leptospicularis*, *Cooperia oncophora*, *C.punctata*, *C.surnabada*, *Trichostrongylus axei*, *T. colubriformis*.

\*Information not available.

For best results Eprizero Pour-On should be part of a total parasite control program. Check the effectiveness of anthelmintics at least annually. Follow recommended parasite management practices to reduce the potential for resistance to develop. Consult your veterinarian for a complete parasite control program.

## SAFETY

Studies have demonstrated a wide safety margin. Five times the recommended use level had no adverse effect on cattle.

**By law the user must take due care, obtaining expert advice when necessary, to avoid unnecessary pain and distress when using the product other than as directed on the label.**

## DOSAGE AND ADMINISTRATION

The dose is 1mL for each 10 kg of liveweight. For pour-on application only. Apply along the topline in a narrow strip extending from the withers to the tailhead. Use the following dosage schedule. A representative sample of animals should be weighed before treatment either with scales or a weighband. Dose rate to be based on heaviest cattle in each group (bulls, cows, steers, calves etc.). Do not underdose. Where there is a large variation in size within the group, draft into two or more lines based on liveweight, to avoid excess overdosing.

Liveweight (kg)	Dose Volume (mL)	Doses per pack					
		250 mL	1L	2.5L	5L	20L	
Up to 50	5	50	200	500	1000	4000	
51-75	7.5	33*	133	333	666	2666	
76-100	10	25	100	250	500	2000	
101-125	12.5	20	80	200	400	1600	
126-150	15	16	66	166	333	1333	
151-175	17.5	14	57	142	285	1142	
176-200	20	12	50	125	250	1000	
201-250	25	10	40	100	200	800	
251-300	30	8	33	83	166	666	
301-350	35	7	28	71	142	571	
351-400	40	6	25	62	125	500	
401-450	45	5	22	55	111	444	
451-500	50	5	20	50	100	400	
501-550	55	4	18	45	90	363	
551-600	60	4	16	41	83	333	
601-650	65	3	15	38	76	307	

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

**It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds.**

## WITHHOLDING PERIODS:

**MEAT: 10 days**

**THERE IS NO WITHHOLDING PERIOD FOR BOBBY CALVES**

**BORN TO COWS TREATED WITH EPRIZERO POUR-ON**

**THERE IS NO MILK WITHHOLDING PERIOD FOR LACTATING**

**DAIRY CATTLE. MILK FROM TREATED COWS MAY BE USED**

**FOR HUMAN CONSUMPTION AT ANY TIME FOLLOWING**

**TREATMENT WITH EPRIZERO POUR-ON.**

## PACKAGING INFORMATION:

Eprizero Pour-On is available in four pack sizes - 250 mL; 1L; 2.5L; 5L

The 250 mL and 1L will be presented in High Density polyethylene 'Single Neck' dispensing bottles whilst the 1L, 2.5L and 5L volumes will be presented in a High Density Polyethylene 'Back-Pack'.

The single-neck design has a built in dispenser and dose volume measuring device.

The back-pack is designed for use with a standard dosing gun in conjunction with a suitable applicator.

## HSNO Classification

**6.8B, 9.1A, 9.2C, 9.3C, 9.4 A**

Exposure to the skin and eyes can cause irritation. Handle the product with care to avoid skin and eye contact. Wash hands and exposed skin before meals and after use. Flammable liquid. Do not use or store near heat or open flame. Acute

toxicity if exposed to the substance and may be harmful if inhaled. Harmful- may cause developmental damage to the unborn child from repeated oral exposure. Keep out of reach of children. Do not handle until all safety precautions have been read and understood. Ecotoxic- Very toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container. Harmful to the soil environment. Harmful to terrestrial vertebrates. Very toxic to terrestrial invertebrates. Apply only as directed.

**STORAGE:** Stores containing equal to or more than 100L of EPRIZERO POUR-ON require bunding and are subject to signage. See the Hazardous Substances Emergency Management Regulations 35-41, Identification Regulations 34 & 35 and NZS 8409 for further information.

**DISPOSAL:** Preferably dispose of the product by use. Otherwise dispose of product and packaging at an approved landfill or other approved facility. Avoid contamination of any water source. Triple rinse container immediately after emptying and pour rinsate onto waste ground. Recycle via AGRECOVERY Rural Recycling Programme (See [www.agrecovery.co.nz](http://www.agrecovery.co.nz)). Do NOT use container for any other purpose.

**EMERGENCY MANAGEMENT:** In case of spillage wear appropriate protective clothing and prevent material from entering waterways. Absorb spills with inert material and place in waste containers. Sweep up solids without creating dust. Wash area with water and absorb with further inert material. Dispose of waste safely. Do not carry more than 1L on a passenger service vehicle.

**PRECAUTIONS** Keep this and all drugs out of reach of children. If accidental skin contact occurs, wash the affected area immediately with soap and water. If accidental eye exposure occurs, flush immediately with water and get medical attention if irritation persists.

## NOTE TO USER

Close container when not in use.

Store bottle in carton to protect from light.

Do not apply to areas of the backline covered with mud or manure. This product is for application to skin surface only. Do not give orally or by injection.

## ENVIRONMENTAL SAFETY

Studies indicate that when eprinomectin comes in contact with the soil, it readily and tightly binds to the soil and becomes inactive.

**STORAGE:** Store at room temperature (below 30°C)

This product is sold solely for use in New Zealand.

Registered pursuant to the ACVM Act 1997, No A011414

## Registered to and Distributed by:

Norbrook NZ Ltd

KPMG Centre, 18 Viaduct Harbour Avenue

AUCKLAND, Ph: 0800 224 022

## Manufactured by Norbrook Laboratories Ltd

Station Works, Newry,

Co. Down, Northern Ireland

See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions.

Approved pursuant to the HSNO Act 1996,

Approval Code HSR100759

See [www.epa.govt.nz](http://www.epa.govt.nz)

for approval controls.



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