

## PRODUCT INFORMATION

# WSD LEVAMISOLE

## Oral Anthelmintic for Sheep and Cattle

### Product Description

**WSD LEVAMISOLE** is a broad spectrum treatment for roundworm parasites of sheep and cattle.

### Type of Preparation

**WSD LEVAMISOLE** is a solution for oral use as a drench containing 27.5g/L levamisole- an imidazothiazole compound. It is commonly known as a 'clear drench'.

### Indications

#### Cattle, Sheep, Lambs and Goats:

Mature and immature stages of worm parasites susceptible to levamisole:

Barber's pole worm (*Haemonchus spp*), stomach hair worm (*Trichostrongylus axei*), black scour worms (*Trichostrongylus spp*), small brown stomach worm (*Ostertagia spp*), small intestinal worm (*Cooperia spp*), thin necked intestinal worm (*Nematodirus spp*) hookworm (*Bunostomum trigonocephalum*), intestinal threadworm (*Strongyloides spp*), large bowel and nodule worms (*Oesophagostomum spp*), large mouthed bowel worm (*Chabertia ovina*), and large lung worm (*Dictyocaulus spp*).

**Dairy Cattle & Milking Sheep:** Do NOT use in cattle or sheep producing milk for human consumption

### Dosage

Always refer to the label. Separate into different weight classes if there is a large variation in age and weight.

Levamisole may be toxic. It is recommended that sheep or cattle should NOT be fasted before the administration of any drench containing levamisole.

Sheep and lambs: Dose at the rate of 1ml per 4kg body weight.

Cattle: Dose at the rate of 10ml per 45kg body weight

### Advice On Use

#### Cattle:

- **WSD LEVAMISOLE** is a reliable broad-spectrum oral drench for cattle of all ages.
- It is often best administered to adult cattle with a drenching hook.

#### Sheep:

- **WSD LEVAMISOLE** is a broad-spectrum treatment which is highly effective against mature and immature worms of susceptible strains of sheep parasites.
- It is highly effective against and can be used to treat infestations by barbers pole worm (*Haemonchus contortus*) and thin-necked intestinal worm (*Nematodirus spp*).
- The use of WSD Levamisole may be indicated in strategic programs to reduce contamination of pastures when testing has shown it to be effective against other local worm parasites. It is advisable to test efficacy before relying on levamisole as a strategic treatment.
- Adult worms of resistant strains of gastrointestinal worm parasites of sheep may not be removed by treatment and this may require the later use of an effective strategic treatment from the WSD range of drenches.
- Levamisole is not effective against tapeworms.
- Resistance to levamisole is widespread among some species of gastrointestinal parasites on Australian sheep farms.
- The repeated use of any drench is likely to result in the emergence of resistance and therefore, regular testing for efficacy is recommended.

# CAUTION

KEEP OUT OF REACH OF CHILDREN  
READ SAFETY DIRECTIONS BEFORE OPENING OR USING  
FOR ANIMAL TREATMENT ONLY



# WSD Levamisole



## ORAL ANTHELMINTIC FOR SHEEP AND CATTLE

**Active Constituent:**

32 g/L Levamisole Hydrochloride  
(equivalent to 27 g/L Levamisole)

For the control of levamisole sensitive gastrointestinal  
roundworms and lungworms including those which are  
resistant to Benzimidazoles.

**20 L**



**WSD LEVAMISOLE ORAL ANTHELMINTIC FOR SHEEP AND CATTLE** contains levamisole hydrochloride (32 g/L), a member of the levamisole family of drenches. It is effective for the control of levamisole sensitive gastrointestinal roundworms and lungworms including those that are resistant to benzimidazoles.

It is effective against sensitive strains of the following internal parasites:

**Sheep and Lamb**

*Haemonchus contortu*  
*Trichostrongylus axei*  
*Ostertagia spp\**  
*Trichostrongylus spp\**  
*Cooperia spp*  
*Nematodirus spp*  
*Strongyloides papillosus*  
*Bunostomum spp*  
*Oesophagostomum columbianum*  
*Oesophagostomum venulosum*  
*Chabertia ovina*  
*Dictyocaulus filaria*

Barbers pole worm  
 Stomach hair worm  
 Small brown stomach worm  
 Black scour worm  
 Small intestinal worm  
 Thin necked intestinal worm  
 Intestinal threadworm  
 Hookworm  
 Nodule worm  
 Large bowel worm  
 Large mouthed bowel worm  
 Large lungworm

**Cattle**

*Haemonchus placei*  
*Trichostrongylus axei*  
*Trichostrongylus spp*  
*Bunostomum phlebotomum*  
*Oesophagostomum radiatum*  
*Cooperia spp*  
*Nematodirus spp*  
*Dictyocaulus viviparus*

Barbers pole worm  
 Stomach hair worm  
 Black scour worm  
 Hookworm  
 Nodule worm  
 Small intestinal worm  
 Thin necked intestinal worm  
 Lungworm

**DIRECTIONS FOR USE**

**Restraints:** DO NOT USE in female sheep or cattle which are producing or may in the future produce milk or milk products for human consumption. Shake container well before using this product.

**ADMINISTRATION:**

WSD LEVAMISOLE can be administered orally through standard accurate drenching equipment. Clean equipment thoroughly before and after use.

**DOSE RATES:**

Dose mob to the heaviest animal by liveweight in each group (ewes, wethers, rams, lambs); (bulls, cows, steers, calves) and these should be weighed with scales or weighband. Do not underdose. Where there is a large variation in size within the group, dose rate should be based on the label directions for each weight range. Drafting into two or more lines may be appropriate, to avoid excessive overdosing.

Sheep 2.5 mL/10 kg live bodyweight			Cattle 10 mL/45 kg live bodyweight		
Bodyweight	Dose Volume	20 L Treats	Bodyweight	Dose Volume	20 L Treats
Under 10 kg	2.5 mL	8000	Under 45 kg	10 mL	2000
11-15 kg	3.5 mL	5714	46-90 kg	20 mL	1000
16-20 kg	5 mL	4000	91-180 kg	40 mL	500
21-30 kg	7.5 mL	2667	181-270 kg	60 mL	333
31-40 kg	10 mL	2000	271-360 kg	80 mL	250
41-50 kg	12.5 mL	1600	361-450 kg	100 mL	200
51-60 kg	15 mL	1333	451-540 kg	120 mL	167
61-70 kg	17.5 mL	1143	541-630 kg	140 mL	143
71-75 kg	18.5 mL	1111	631-720 kg	160 mL	125
Over 75kg	2.5 mL per 10 kg of live bodyweight		Over 720kg	10 mL per 45 kg of live bodyweight	

Internal parasites may develop resistance to drenches (anthelmintics). Ask your local veterinary adviser for recommended parasite management practices for your area to reduce development of resistance. It is advisable that a drench resistance test be conducted before any drench is used. If drench failure with this preparation is suspected, seek veterinary confirmation and notify the manufacturer.

**PRECAUTIONS:**

Exercise care in handling weak, pregnant and young animals to avoid unnecessary stress. DO NOT drench dogs with WSD LEVAMISOLE drench. Avoid yarding animals off-feed overnight, and ensure animals have access to water when yarded prior to drenching. Recommended dose should not be exceeded, except under Veterinary supervision.

**WITHHOLDING PERIODS:**

**MEAT:** DO NOT USE less than three (3) days before slaughter for human consumption.  
**MILK:** DO NOT USE in female sheep or cattle which are producing or may in the future produce milk or milk products for human consumption.

**TRADE ADVICE: EXPORT SLAUGHTER INTERVAL (ESI):**

DO NOT USE less than seven (7) days before slaughter for export for sheep and cattle. The ESI on this label was correct at the time of labe approval. Before using this product, confirm the current ESI from the manufacturer on [www.wsdagribusiness.com](http://www.wsdagribusiness.com) or the APVMA website [www.apvma.gov.au/residues/ESI.shtml](http://www.apvma.gov.au/residues/ESI.shtml)

**SAFETY DIRECTIONS:**

Harmful if swallowed. Avoid contact with eyes and skin. Wash hands after use.

**FIRST AID:**

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone 131126.

**MATERIAL SAFETY DATA SHEET (MSDS):**

Additional information is listed in the Material Safety Data Sheet, which can be obtained from the supplier.

**PROTECTION OF FISH, CRUSTACEANS AND THE ENVIRONMENT:**

Dangerous to fish. Do not contaminate streams, rivers and waterways with the product or used containers.

**DISPOSAL**

Do not dispose of undiluted chemicals on-site. Break, crush, puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Empty containers and product should not be burnt.

**STORAGE**

Store below 30°C (room temperature) in the closed, original container, in a dry, well-ventilated area, and protect from sunlight.

**CONDITIONS OF SALE:**

All WSD Agribusiness products are of a high quality, being subjected to rigid quality control. The manufacturer, however, is unable to control the product's subsequent handling or use or the circumstances of each handling or use. This product is sold on the express condition that neither the manufacturer nor the distributor is under any liability for any loss or damage that may arise through such handling or use. If these conditions are unacceptable the container should be returned unopened for credit.

Registered, manufactured and distributed in Australia by:



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APMVA Approval No: 39062/20L/0209



Batch:

Expiry:

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