

## PRODUCT INFORMATION

# WSD LOW VOLUME LEVAMISOLE

## Oral Anthelmintic for Sheep and Cattle

### Product Description

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

### Type of Preparation

**WSD LOW VOLUME LEVAMISOLE** is a solution for oral use as a drench containing 68g/L levamisole- an imidazothiazole compound. It is commonly known as a 'clear drench'.

### Indications

#### Cattle, Sheep and Lambs:

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 Goats:** Dose at the rate of 1ml per 10kg body weight.

**Cattle:** Dose at the rate of 5ml per 50 kg body weight

### Advice On Use

#### Cattle:

- **WSD LOW VOLUME LEVAMISOLE** is a reliable broad-spectrum oral drench for cattle of all ages, requiring only a low volume dose for treatment.
- It is often best administered to adult cattle with a drenching hook.

#### Sheep:

- **WSD LOW VOLUME LEVAMISOLE** is a broad-spectrum low-dose treatment which is highly effective against susceptible strains of mature and immature worm parasites of sheep.
- It is highly effective against and can be used to treat infestations by barbers pole worm (*Haemonchus*) and thin-necked intestinal worm (*Nematodirus spp*).
- The use of **WSD LOW VOLUME LEVAMISOLE** or **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 has no effect against tapeworms of sheep or cattle.
- 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 Low Volume Levamisole



## ORAL ANTHELMINTIC FOR SHEEP AND CATTLE

**Active Constituent:**  
**80 g/L Levamisole Hydrochloride**  
**(equivalent to 67.9 g/L Levamisole)**

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



# 10 L

**WSD LV LEVAMISOLE ORAL ANTHELMINTIC FOR SHEEP AND CATTLE** contains Levamisole Hydrochloride (80 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**

<i>Haemonchus contortus</i>	Barbers pole worm
<i>Trichostrongylus axei</i>	Stomach hair worm
<i>Ostertagia spp*</i>	Small brown stomach worm
<i>Trichostrongylus spp*</i>	Black scour worm
<i>Cooperia spp</i>	Small intestinal worm
<i>Nematodirus spp</i>	Thin necked intestinal worm
<i>Strongyloides papillosus</i>	Intestinal threadworm
<i>Bunostomum spp</i>	Hookworm
<i>Oesophagostomum columbianum</i>	Nodule worm
<i>Oesophagostomum venulosum</i>	Large bowel worm
<i>Chabertia ovina</i>	Large mouthed bowel worm
<i>Dictyocaulus filaria</i>	Large lungworm

**Cattle**

<i>Haemonchus placei</i>	Barbers pole worm
<i>Trichostrongylus axei</i>	Stomach hair worm
<i>Trichostrongylus spp</i>	Black scour worm
<i>Bunostomum phlebotomum</i>	Hookworm
<i>Oesophagostomum radiatum</i>	Nodule worm
<i>Cooperia spp</i>	Small intestinal worm
<i>Nematodirus spp</i>	Thin necked intestinal worm
<i>Dictyocaulus viviparus</i>	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.

**PRECAUTIONS**

Exercise care in handling weak or pregnant animals to avoid unnecessary stress. DO NOT drench dogs with WSD LOW VOLUME LEVAMISOLE drench.

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 1 mL/10 kg live bodyweight			Cattle 5 mL/50 kg live bodyweight		
Bodyweight	Dose Volume	10 L Treats	Bodyweight	Dose Volume	10 L Treats
Under 10 kg	1 mL	10000	Under 50 kg	5 mL	2000
11-15 kg	1.5 mL	6666	51-100 kg	10 mL	1000
16-20 kg	2 mL	5000	101-150 kg	15 mL	666
21-25 kg	2.5 mL	4000	151-200 kg	20 mL	500
26-30 kg	3 mL	3333	201-250 kg	25 mL	400
31-35 kg	3.5 mL	2857	251-300 kg	30 mL	333
36-40 kg	4 mL	2500	301-350 kg	35 mL	285
41-45 kg	4.5 mL	2222	351-400 kg	40 mL	250
46-50 kg	5 mL	2000	401-450 kg	45 mL	222
51-55 kg	5.5 mL	1818	451-500 kg	50 mL	200
56-60 kg	6 mL	1666	501-550 kg	55 mL	181
61-65 kg	6.5 mL	1538	551-600 kg	60 mL	166
66-70 kg	7 mL	1428	601-650 kg	65 mL	153
71-75 kg	7.5 mL	1333	651-700 kg	70 mL	142
Over 75kg	1 mL per 10 kg of live bodyweight		Over 700kg	5 mL per 50 kg of live bodyweight with a maximum of 90mL for animals 900 kg and over.	

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.

**WITH-HOLDING PERIOD**

**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)**

**CATTLE:** this product does not have a ESI established. **SHEEP:** DO NOT USE less than 7 days before slaughter for export. The ESI on this label was current at the time of label approval. Before using this product, confirm the current ESI from the manufacturer 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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**APVMA No: 39063/1100**

**Batch:**

**Expiry:**

