



## TECHNICAL NOTES



# Q-Drench<sup>®</sup>

## Multi-Combination Drench for Sheep



### Active Constituents

Levamisole hydrochloride 40 g/L

Closantel 37.5 g/L

Abendazole 25 g/L

Abamectin 1 g/L

### Actions

Contains abamectin, albendazole, closantel and levamisole, which are members of the macrocyclic lactone, benzimidazole, salicylanilide and imidazothiazole groups respectively. Broad spectrum oral anthelmintic which is effective against susceptible gastrointestinal roundworms (including strains with single or dual resistance to macrocyclic lactones, benzimidazoles, levamisole or closantel, and strains of *Haemonchus contortus* with emerging resistance to closantel). It is also effective against lungworm, tapeworms, mature and late immature liver fluke, nasal bot and itch mite. Q-drench can also be used to prevent the introduction of resistant strains onto a property and in a strategic worming program on sheep properties.

Resistance may develop to any chemical. Ask a local veterinary practitioner or animal health advisor for recommended parasite management practices for your area to reduce development of resistance. It is advisable that a resistance test be conducted before any parasite treatment is used.

### Indications

For the treatment and control in sheep of sensitive strains of the following parasites of sheep:

#### Adult and immature gastrointestinal roundworms

*Haemonchus contortus* - Barber's pole worm (including inhibited L4 stage and strains with single, dual or triple resistance to macrocyclic lactones, benzimidazoles, levamisole or closantel, and strains with emerging resistance to closantel.)

*Teladorsagia (Ostertagia) circumcincta* - Small brown stomach worm (including inhibited L4 stage and strains with single or dual resistance to macrocyclic lactones, benzimidazoles or levamisole.)

*Haemonchus placei* - Large stomach worm

*Trichostrongylus axei* - Stomach hair worm

*Trichostrongylus colubriformis* - Black scour worm including strains with single or dual resistance to macrocyclic lactones, benzimidazoles, or levamisole.

*Trichostrongylus vitrinus* - Black scour worm



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*Cooperia* spp. - Small intestinal worm  
*Nematodirus* spp. - Thin-necked intestinal worm  
*Chabertia ovina* - Large mouthed bowel worm  
*Oesophagostomum columbianum* - Nodule worm  
*Oesophagostomum venulosum* - Large bowel worm  
*Trichuris ovis* - Whip worm  
*Strongyloides papillosus* - Intestinal threadworm.  
*Bunostomum* spp. - Hookworm

### Lungworms

*Dictyocaulus viviparus* - Large lungworm.

### Bots

*Oestrus ovis* – Nasal bot

**Itch Mite** - *Psorergates ovis*

### Liver Fluke

*Fasciola hepatica* – mature and immature forms including 6 week old stages. Reduced the output of viable fluke eggs.

### Tapeworms

*Moniezia* spp. – heads and segments

## Restraints

DO NOT USE in female sheep which are producing or may in the future produce milk or milk products for human consumption.  
DO NOT US in lambs under 6 weeks of age or 10 kg bodyweight.

## Precautions

Exercise care in handling weak, pregnant and young animals to avoid unnecessary stress. 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 28 days before slaughter for human consumption.

**Milk:** DO NOT USE in female sheep which are producing or may in the future produce milk or milk products for human consumption.

## Trade Advice

### Export Slaughter Interval (ESI)

This product does not have an ESI established. For advice on the ESI, contact Jurox Pty Limited on 1800 023 312 before using this product.

## Dosage and Administration

Shake well before use.

Administer orally. Check accuracy of the drench equipment before and during use. A representative sample of animals should be weighed before treatment. Dose the mob to the heaviest animal by liveweight in each group (ewes, wethers, rams, lambs). 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.





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**Dose:** 1 mL per 5 kg bodyweight

Liveweight (kg)	Dose (mL)	1 L treats (head)	5 L treats (head)	10 L treats (head)
11-15	3	333	1666	3333
16-20	4	250	1250	2500
21-25	5	200	1000	2000
26-30	6	166	833	1666
31-35	7	142	714	1428
36-40	8	125	625	1250
41-45	9	111	555	1111
46-50	10	100	500	1000
51-55	11	90	454	909
56-60	12	83	416	833
61-65	13	76	384	769
66-70	14	71	357	714
71-75	15	66	333	666

Sheep heavier than 75 kg to be dosed at 1 mL per 5 kg.

For use as a quarantine drench, treat all animals on arrival, or ideally at farm of origin, and hold in yards for at least 24 hours before release. For use in a strategic worm control program, speak to an animal health advisor or veterinarian.

### Safety Directions

Poisonous if absorbed by skin contact or swallowed. May irritate the eyes and skin. Avoid contact with the eyes and skin. When opening the container and pouring large quantities wear elbow-length PVC gloves. After each day's use wash gloves. Wash hands after use.

### First Aid

If poisoning occurs, contact a doctor or Poisons Information Centre, Phone 13 1126. If skin contact occurs, remove contaminated clothing and wash skin thoroughly.

### Presentation

Liquid: 1 L, 5 L, 10 L

### Storage

Store below 30°C (room temperature). Store in original container. Do not freeze. Do not store at low temperature.

### Poisons Schedule

S6.

### Registration Number

APVMA No. 56573

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