

## FOR ANIMAL USE ONLY

### GARDAL 10%

Reg. No. G3201 (Act 36/1947)  
Namibia Reg. No. V03/18.1.1/678 NSO

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### INDICATIONS

A remedy against roundworms, milk tapeworm in cattle, sheep and goats as well as liver fluke in sheep and goats.

### COMPOSITION

Contains: Ricobendazole (Albendazole sulphoxide) 10 % *m/v*

\*Benzimidazole

### CAUTION

### STORAGE

- Store at room temperature 25 °C.
- Protect from light.

### WARNINGS

- **Withdrawal period:**
  - Meat: 8 days (sheep & goats)  
21 days (cattle)
  - Milk: Do not use for human consumption within 72 hours of administration.
- Do not administer to pregnant cows/ewes during the first stage of pregnancy or during the first month after mating.
- Dispose of diluted mixture as well as all empty containers according to local waste disposal regulations and do not reuse for any other purpose.
- KEEP OUT OF REACH OF CHILDREN, UNINFORMED PERSONS AND ANIMALS.
- Although this remedy has been extensively tested under a large variety of conditions, failure thereof may ensue as a result of a wide range of reasons. If this is suspected seek veterinary advice and notify the registration holder.

### PRECAUTIONS

- It is recommended that all animals be vaccinated against pulpy kidney (enterotoxemia) before any worm remedy is dosed.
- Care should be taken that the correct dose of the remedy is provided to each animal.

### DIRECTIONS FOR USE - USE ONLY AS DIRECTED

Shake well before use.

- Administer by oral route as a drench.
- **Note:** For sheep & goat administration - **Gardal 10%** must be diluted before administration – 1 part **Gardal 10%** diluted with 3 parts clean water (e.g. 1 l **Gardal 10%** diluted with 3 l clean water).
- Diluted product may not be stored for future use. Use all diluted product or discard as per local waste disposal regulations.
- For cattle administration **Gardal 10%** must be used undiluted.

### Roundworms & milk tapeworm

Cattle: 1,5 ml undiluted **Gardal 10%**/20 kg (7,50 mg/kg body mass)

Sheep & Goats: 1,5 ml diluted **Gardal 10%**/10 kg (3,75 mg/kg body mass)

### Liver fluke

Sheep & Goats: 2,0 ml diluted **Gardal 10%**/10 kg (5,0 mg/kg body mass)

### DOSAGE RATE TABLE

<b>Cattle</b>						
<b>Roundworm, milk tapeworm &amp; liver fluke</b>						
<b>Dosage: 1,5 ml/20 kg (7,5 mg/kg body mass)</b>						
<b>Mass (kg)</b>	<b>Dose (ml)</b>	<b>Doses (200 ml)</b>	<b>Doses (1 l)</b>	<b>Doses (2,5 l)</b>	<b>Doses (5 l)</b>	<b>Doses (10 l)</b>
100	7,5	26	133	333	666	1333
200	15,0	13	66	166	333	666
300	22,5	8	44	111	222	444
400	30,0	6	33	83	166	333
500	37,5	5	26	66	133	266

<b>Sheep &amp; Goats</b>					
<b>Roundworms &amp; milk tapeworm</b> <i>(Dilute 1 part Gardal 10% with 3 parts clean water)</i> <b>Dosage: 1,5 ml/10 kg</b> <i>(3,75 mg/kg body mass)</i>			<b>Liver Fluke</b> <i>(Dilute 1 part Gardal 10% with 3 parts clean water)</i> <b>Dosage: 2,0 ml/10 kg</b> <i>(5,0 mg/kg body mass)</i>		
<b>Mass (kg)</b>	<b>Dose (ml)</b>	<b>Doses (4 l dilute)</b>	<b>Mass (kg)</b>	<b>Dose (ml)</b>	<b>Doses (4 l dilute)</b>
20	3	1333	20	4	1000
30	4,5	888	30	6	666
40	6	666	40	8	500
50	7,5	533	50	10	400
60	9	444	60	12	333

### EFFICACY IN CATTLE, SHEEP & GOATS

#### 1. Roundworm Efficacy

<b>Species</b>	<b>Efficacy in Sheep &amp; Goats</b>		<b>Efficacy in Cattle</b>	
	<b>Immature</b>	<b>Adult</b>	<b>Immature</b>	<b>Adult</b>
Wireworm	* †	* †	*	*
Brown stomach worm	* †	* †	*	*
Bankrupt worm	*	*	*	*
Long-necked bankrupt worm	* †	* †		
Hookworm	*	*	*	*
Nodular worm	*	*	*	*
Large-mouthed bowel worm	*	*		
Lungworm	*	*		*

Definition: \* Controls (≥90 % effective)

\*\* Aids in control (60 to 89 % effective)

† Except resistant strains

## 2. Tapeworm Efficacy

Species	Efficacy in Sheep & Goats	Efficacy in Cattle
	Adult	Adult
Milk tapeworm ( <i>Moniezia expansa</i> )	Class 1 †	Class 1 †

Definition: Class 1 (100% effective in more than 80% of the treated animals)

† Except resistant strains

## 3. Liver Fluke Efficacy

Species	Efficacy Sheep & Goats	Efficacy in Cattle
	Adult	Adult
Liver fluke ( <i>Fasciola hepatica</i> )	*	*

Definition: \* Controls ( $\geq 90\%$  effective)

\*\* Aids in control (60 to 85% effective)

### PRESENTATION

200 ml, 1 l as well as 2,5 l, 5 l and 10 l plastic bottles

### REGISTRATION HOLDER

Intervet South Africa (Pty) Ltd.

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1619, RSA

Tel: +27 (0) 11 923 9300

Fax: +27 (0) 11 392 3158

[www.msd-animal-health.co.za](http://www.msd-animal-health.co.za)

### MANUFACTURER

Burchem Research (Pty) Ltd.

54 Electron Avenue

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### DATE OF PUBLICATION OF THIS PACKAGE INSERT

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- **Nota:** vir skaap en bok toediening moet gardal 10% verdun word voor toediening - 1 deel gardal 100/o met 3 dele skoon water.  
(bv. 1 t gardal 10% verdun met 3 t skoon water)