



For the treatment and control of moxidectin sensitive roundworms, nasal bot and itchmite in sheep. For protection against severe challenge by *Haemonchus contortus* (barber's pole worm) for up to 4 months

## CYDECTIN<sup>®</sup> LONG ACTING

INJECTION FOR SHEEP



### WHAT IS CYDECTIN LONG ACTING INJECTION FOR SHEEP?

- ✓ Contains moxidectin – the most potent macrocyclic lactone (ML)
- ✓ Not less than 91 days persistent activity against barber's pole worm and small brown stomach worm
- ✓ Up to 49 days persistent activity against black scour worm
- ✓ Up to 4 months protection against severe challenge by barber's pole worm
- ✓ Recommended for highly contaminated pastures

### WHY CHOOSE CYDECTIN LONG ACTING INJECTION FOR SHEEP?

#### 1. Control of internal parasites

Moxidectin is the most potent member of the macrocyclic lactone (ML) family of drenches, meaning it can kill worms resistant to ivermectin and abamectin.

#### 2. Broad spectrum parasite control

Cydectin Long Acting is highly effective against all major internal parasites that are susceptible to an ML drench, including gastrointestinal roundworms and large lungworm. These worms reduce overall productivity, especially in young animals. Weight gains and wool growth can be reduced significantly. Cydectin Long Acting also controls itch mite and nasal bots.

#### 3. Longer acting worm control

Cydectin Long Acting controls barber's pole worm and small brown stomach worm for at least 91 days, and black scour worm for up to 49 days. It also protects against severe challenge from barber's pole worm for up to 4 months. Good worm control means cleaner sheep, less pasture contamination and increased productivity

#### 4. Less drenching

Cydectin Long Acting's long duration of activity can mean less drenching and may help reduce the development of resistance.

#### 5. Ease of application

Cydectin Long Acting is delivered by a simple, subcutaneous injection.

#### 6. Safety

Cydectin Long Acting has a wide margin of safety when used as recommended.

### WHEN TO USE CYDECTIN LONG ACTING INJECTION FOR SHEEP

#### 1. Pre-lambing drench

Cydectin Long Acting will control worms and reduce egg output from ewes around lambing time. Before and just after lambing the ewe's natural immunity to worms weakens, and untreated ewes can become a significant source of pasture contamination. Cydectin Long Acting administered to ewes pre-lambing can mean cleaner pastures and reduced exposure of lambs to internal parasites.

#### 2. High pasture contamination

Cydectin Long Acting is beneficial for use when susceptible sheep (eg weaners) are exposed to sustained high pasture contamination and worm challenge over a long period of time. Using Cydectin Long Acting can remove the need for frequent drenching. Frequent monitoring is recommended in situations of high worm challenge.

#### 3. Weaner/prime lamb drench

Weaners and prime lambs are highly susceptible to worms. Cydectin Long Acting is an excellent drench for such high value stock. It offers outstanding control and long term protection to maximise production. Cydectin Long Acting can be used in a number of prime lamb production systems\*. These include:

- i. Autumn lambs produced for the heavy end of the domestic market. These lambs usually require approximately 170 to 190 days from lambing to sale
- ii. Winter tail end lambs usually carried to the following autumn
- iii. Late winter/spring lambs that are maintained over summer and finished late autumn and early winter of the following year

#### 4. Barber's pole worm control

When used as part of a worm control program a single dose of Cydectin Long Acting can provide excellent long term protection throughout the barber's pole worm season. Egg output is reduced and pastures can be cleaner for longer.

#### 5. Summer drenching

A single treatment with Cydectin Long Acting when pastures dry off can eliminate the need for a second summer drench.

\*The withholding period for Cydectin Long Acting is 91 days and it has an ESI of 133 days

### WHEN TO USE CYDECTIN LONG ACTING INJECTION FOR SHEEP

#### 6. When rotating to an ML drench

It is important to use effective drenches on your property. If ML drenches still give effective control on your property and you have high risk pastures, then Cydectin Long Acting is a valuable drench to use as the ML drench in your rotation. Being a highly potent chemical it gives effective control of susceptible worms and may help delay resistance compared with a less potent chemical.

#### 7. Concurrent treatments

Cydectin Long Acting is safe to use at the same time as other treatments including mineral supplements and vaccines. Inject other products on the opposite side of the neck.

#### 8. Drench resistance testing

It is essential to understand the level of resistance to the various drench families on a particular property. Faecal egg count reduction tests (FECRTs) provide objective measurements of which drenches are working and which fall below the level of efficacy required for good worm control (i.e. 95% efficacy). FECRTs should be conducted every two to three years to monitor any changes in resistance levels.

#### 9. Worm testing

Worm egg counts provide valuable information to optimise drench timing. Egg counts will show if a drench is not required because of low worm numbers, but can also reveal production limiting worm infections before clinical signs such as scouring or wasting are evident. A larval differentiation assay provides identification of the worm species present so that the optimal type of drench can be selected.

### HOW TO USE CYDECTIN LONG ACTING INJECTION FOR SHEEP

#### I. Administration

Cydectin Long Acting is administered by subcutaneous (under the skin) injection at the base of the ear or high on the neck behind the ear.

Only use the specially designed applicator which is available where the product is sold.

#### INDICATIONS

Cydectin Long Acting Injection for Sheep contains moxidectin, a second generation macrocyclic lactone. It is effective against sensitive strains of the following parasites and provides protection against severe challenge by *Haemonchus contortus* (barber's pole worm) for up to 4 months.

Mature (adult) and immature (L4)	
Barber's pole worm	<i>Haemonchus contortus</i>
Black scour worm	<i>Trichostrongylus</i> spp <i>Trichostrongylus colubriformis</i>
Stomach hair worm	<i>Trichostrongylus axei</i>
Small brown stomach worm	<i>Teladorsagia (Ostertagia) circumcincta</i> <i>Ostertagia lyrata</i>
Small intestinal worm	<i>Cooperia</i> spp <i>Cooperia oncophora</i>
Thin necked intestinal worm	<i>Nematodirus</i> spp <i>Nematodirus battus</i> <i>Nematodirus filicollis</i> <i>Nematodirus spathiger</i>
Intestinal threadworm	<i>Strongyloides papillosus</i>
Nodule worm	<i>Oesophagostomum columbianum</i>

Mature (adult) and immature (L4)	
Large mouthed bowel worm	<i>Chabertia ovina</i>
Large lungworm	<i>Dictyocaulus filaria</i>
Adult nematodes	
Black scour worm	<i>Trichostrongylus rugatus</i> <i>Trichostrongylus vitrinus</i>
Small brown stomach worm	<i>Ostertagia trifurcata</i>
Small intestinal worm	<i>Cooperia curticei</i>
Thin necked intestinal worm	<i>Nematodirus abnormalis</i> <i>Nematodirus helvetianus</i>
Large bowel worm	<i>Oesophagostomum venulosum</i>
Whipworm	<i>Trichuris ovis</i>
External Parasites	
Itch mite	<i>Psorergates ovis</i>
Nasal bot	<i>Oestrus ovis</i>

#### COMPOSITION

- Moxidectin 20g/L

#### DOSAGE

Cydectin Long Acting Injection should be injected subcutaneously at a dose rate of 1 mL/20kg liveweight

Bodyweight (kg)	Dose Volume (mL)	Animals Treated 500mL
20*	1	500
21 - 30	1.5	333
31 - 40	2	250
41 - 50	2.5	200
51 - 60	3	166
61 - 70	3.5	142
71 - 80	4	125
81 - 90	4.5	111

#### DO NOT USE IN LAMBS LESS THAN 20KG.

Animals heavier than 90kg should be dosed at 0.5mL/10kg.

Retreatment interval: must not be retreated for at least 91 days after administration

#### WITHHOLDING PERIODS/ESI

- Meat: 91 days
- Milk: Do not use in female sheep which are producing, or may in the future produce, milk or milk products for human consumption
- ESI: 133 days

#### RESTRAINTS

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

#### CONTRAINDICATION

Cydectin Long Acting Injection for Sheep is not recommended for use in goats as safety and efficacy have not been evaluated.

#### PRESENTATION

Liquid: 500 mL

#### STORAGE

30°C (Room temperature) and protect from sunlight.

#### APVMA Number

- 58532

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