

Product Name: MOXISTAR LONG ACTING INJECTION FOR CATTLE
 APVMA Approval No: 84849/111548



Label Name:	MOXISTAR LONG ACTING INJECTION FOR CATTLE
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Signal Headings:	<p>CAUTION</p> <p>KEEP OUT OF REACH OF CHILDREN</p> <p>FOR ANIMAL TREATMENT ONLY</p> <p>READ SAFETY DIRECTIONS BEFORE OPENING OR USING</p>
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Constituent Statements:	100 mg/mL MOXIDECTIN
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Claims:	<p>For the treatment and control of moxidectin sensitive internal and external parasites in cattle.</p> <p>MOXISTAR LONG ACTING INJECTION FOR CATTLE contains moxidectin, a second generation member of the macrocyclic lactone family of chemicals. It is effective against sensitive strains of the following parasites:</p> <p>Internal parasites</p> <p>Mature (adult) and immature (L4)</p> <p>Haemonchus placei (Barber's pole worm)</p> <p>Haemonchus contortus</p> <p>Ostertagia ostertagi / Ostertagia lyrata (including inhibited larvae)</p> <p>Trichostrongylus spp. (Black scour worms)</p> <p>Trichostrongylus axei</p> <p>Cooperia oncophora (Small intestinal worm)</p> <p>Cooperia pectinata</p> <p>Cooperia punctata</p> <p>Oesophagostomum radiatum (Nodule worm}</p> <p>Bunostomum phlebotomum (Hookworm)</p> <p>Trichuris discolor (Whipworm)</p> <p>Trichuris ovis</p> <p>Dictyocaulus viviparus (Lungworm)</p> <p>Adult nematodes</p> <p>Nematodirus spathiger</p> <p>Nematodirus helvetianus</p> <p>External parasites</p> <p>Lice (Sucking lice)</p> <p>Linognathus vituli</p> <p>Haematopinus eurysternus</p>
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	<p>Solenopotes capillatus Aids in the control of Bovicola bovis (biting lice)</p> <p>Mites Chorioptes bovis</p> <p>Ticks Rhipicephalus (Boophilus) microplus</p> <p>PROTECTION PERIOD When MOXISTAR LONG ACTING INJECTION FOR CATTLE is used at the recommended dose rate as a single subcutaneous injection, it prevents re-infection of cattle with parasites as in the following table:</p> <p>Parasite species Persistent protection period Ostertagia spp. 112 days Haemonchus spp. 120 days Trichostrongylus axei 72 days Cooperia spp. 21 days Dictyocaulus viviparus 120 days Oesophagostomum radiatum 120 days Linognathus vituli 133 days</p> <p>MOXISTAR LONG ACTING INJECTION FOR CATTLE is effective for treatment and control of cattle tick, including strains resistant to organophosphates, synthetic pyrethroids and amidines. The persistent activity of MOXISTAR LONG ACTING INJECTION FOR CATTLE prevents the development of viable cattle tick (Rhipicephalus (Boophilus) microplus) for at least 51 days and prevents egg production for at least 65 days after treatment. Some engorged females containing viable eggs may continue to drop for up to 4 days after treatment. This should be taken into account when planning a strategic treatment program.</p>
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Net Contents:	200 mL 500 mL
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Directions for Use:	
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Restrains:	<p>DO NOT USE in cattle that may be exported live.</p> <p>MILK: DO NOT USE in lactating cows or within 80 days of calving where milk may be used or processed for human consumption.</p> <p>INJECT ONLY by subcutaneous injection into the back of the ear (as directed below). Do not inject anywhere else in the animal. Injection sites anywhere else on the animal may result in injection site residues that exceed approved limits at the Withholding Period or Export Slaughter Interval.</p>
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Contraindications:	
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Precautions:	
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Side Effects:	
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Dosage and Administration:	Re-treatment Interval: DO NOT retreat with MOXISTAR LONG ACTING INJECTION FOR CATTLE for at least 56 days after administration.
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General Directions:	<p>NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.</p> <p>MOXISTAR LONG ACTING INJECTION FOR CATTLE has a wide margin of safety when used as recommended.</p> <p>MOXISTAR LONG ACTING INJECTION FOR CATTLE is safe to use concurrently with other treatments including mineral supplements and vaccines.</p> <p>Resistance may develop to any chemical.</p> <p>Caution: avoid carcass damage</p> <ol style="list-style-type: none"> 1. Sterilise all injection apparatus by boiling (or equivalent) before use. Avoid use of strong disinfectants on apparatus. 2. Maintain cleanliness at all times. 3. Keep needles sharp and clean. Replace frequently. 4. Use shortest needle possible, certainly not exceeding 15mm. 5. As far as possible, avoid injection of animals during wet weather or under dusty conditions. 6. This product should only be injected under the skin into the back surface of the ear. It should be injected in the third of the ear closest to the head. Do not inject at any other site. <p>Effect on dung beetles</p> <p>When applied as directed, the levels of MOXISTAR LONG ACTING INJECTION FOR CATTLE in the faeces of treated cattle are not likely to have any significant adverse effect on the following dung beetles: <i>Onthophagus gazella</i>, <i>O. taurus</i>, <i>Euoniticellus intermedius</i> and <i>E. fulvus</i>. Effects on other dung beetle species have not been fully evaluated.</p>
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Withholding Periods:	<p>MEAT: DO NOT USE less than 56 days before slaughter for human consumption.</p> <p>MILK: DO NOT USE in lactating cows or within 80 days of calving where milk may be used or processed for human consumption.</p>
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Trade Advice:	<p>TRADE ADVICE - Export Slaughter Interval (ESI):</p> <p>DO NOT USE less than 108 days before slaughter for export. Before using this product confirm the current ESI from The Hunter River Company on (02) 9499 7370 or the APVMA website (www.apvma.gov.au/residues).</p> <p>DO NOT USE in cattle that may be exported live.</p>
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Safety Directions:	<p>Poisonous if swallowed. May irritate the nose and throat. Will irritate eyes and skin. Avoid contact with eyes and skin. Do not inhale. Wash hands after use.</p>
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First Aid Instructions:	<p>If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126.</p>
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First Aid Warnings:	
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Additional User Safety:	<p data-bbox="419 192 970 219">ADDITIONAL USER SAFETY INFORMATION</p> <p data-bbox="419 255 1501 477">Warning: avoid self-injection Accidental self-injection may cause an inflammatory or allergic response and medical advice should be sought in these cases. Deep injections, particularly if they are near a joint or associated with local bruising may require medical management. In most circumstances application of gentle pressure with absorbent material, e.g. facial tissues, to the needle puncture area to swab up unabsorbed product followed by cleaning of the damaged area with a suitable disinfectant will be sufficient to prevent problems.</p> <p data-bbox="419 512 1161 539">Additional information is listed in the Safety Data Sheet (SDS).</p>
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Environmental Statements:	<p data-bbox="419 620 834 647">ENVIRONMENTAL PROTECTION</p> <p data-bbox="419 683 1497 741">Moxidectin is extremely toxic to aquatic species. Do not contaminate dams, rivers, streams or other waterways with the chemical or used container.</p>
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Disposal:	<p data-bbox="419 822 1461 909">Dispose of container by wrapping with paper and putting in garbage. Discarded needles should immediately be placed in a designated and appropriately labelled "sharps" container.</p>
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Storage:	<p data-bbox="419 996 1114 1023">Store below 30OC (Room temperature). Protect from light.</p>
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Dosage and Administration:

Discard unused portion after 6 months of first broaching container.

Dose Rate:

1 mg moxidectin/kg liveweight (1 mL/100 kg liveweight).

MOXISTAR LONG ACTING INJECTION FOR CATTLE must be administered by subcutaneous (under the skin) injection into the back of the ear towards its base. DO NOT administer anywhere else on the animal. Avoid intravascular (into a blood vessel) injection. Some injection site reactions or generalised reactions are possible. Treat as appropriate. The animal must be confined in a restraint mechanism (head bail). Using a 5 mL injector gun fitted with a 16 or 18 gauge, 12 to 18 mm needle, inject into the back of the ear towards its base. To accomplish this the needle should be inserted at the point indicated by the 'X' in the illustration, all the way up to the hub. Inject slowly and after injection withdraw the needle and place finger pressure on the site for a few seconds.

[Diagram of injection site at back of ear]

Any potential site reactions may be minimised by attention to injection hygiene. If any generalised reactions such as ataxia (staggering), lying down or excess salivation occur, seek veterinary advice.

The product is ready to use. Administer the dose according to the dosage table using an appropriate 5 mL injector gun. Do not use any other injector. Check dose rates and equipment before treatment commences. Cattle should be weighed prior to dosing and treated according to the weight range bracket in the dosage table below. Do not underdose.

Weight range (kg)	Dose volume (mL)	Doses per pack 200mL	Doses per pack 500mL
*100	1.0	200	500
101-150	1.5	133	333
151-200	2.0	100	250
201-250	2.5	80	200
251-300	3.0	66	166
301-350	3.5	57	142
351-400	4.0	50	125
401-450	4.5	44	111
451-500 [†]	5.0	40	100

*DO NOT USE IN CATTLE LESS THAN 100 KG

† DO NOT USE IN CATTLE GREATER THAN 500 KG

A representative sample of animals should be weighed before treatment either with scales or a weighband.

Dose rate to be based on heaviest cattle in each group (bulls, cows, steers, calves, etc). Do not underdose.

Where there is a large variation in size within a group, draft into two or more lines based on bodyweight, to avoid excessive overdosing.