



Product Name: REFLEX DUO COMBINATION POUR-ON FOR CATTLE
APVMA Approval No: 91495/132414

Label Name:	REFLEX DUO COMBINATION POUR-ON FOR CATTLE
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Signal Headings:	POISON KEEP OUT OF REACH OF CHILDREN FOR ANIMAL TREATMENT ONLY READ SAFETY DIRECTIONS
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Constituent Statements:	10 mg/mL ABAMECTIN 200 mg/mL LEVAMISOLE Also contains: 540 mg/mL N-METHYL-2-PYRROLIDONE (solvent) 250 mg/mL DIETHYLENE GLYCOL MONOBUTYL ETHER (solvent)
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Claims:	<p>For the treatment and control of roundworms, including macrocyclic lactone or levamisole resistant strains, and external parasites in cattle.</p> <p>REFLEX DUO COMBINATION POUR-ON FOR CATTLE contains abamectin, a member of the macrocyclic lactone family of chemicals. It is effective against sensitive strains of internal and external parasites. It also contains levamisole, a member of the imidazothiazole family of chemicals, which is effective against roundworms, including lungworm. Resistance may develop to any chemical.</p> <p>For the treatment and control of adult and immature stages of:</p> <p>Gastro-intestinal roundworms, including strains resistant to macrocyclic lactones ("mectin drenches") or to imidazothiazoles ("clear drenches" such as levamisole)</p> <p>Barber's Pole Worm (<i>Haemonchus placei</i>) Small Brown Stomach Worm (<i>Ostertagia ostertagi</i>, <i>O. lyrata</i>, including inhibited stages) Stomach Hair Worm (<i>Trichostrongylus axei</i>) Small Intestinal Worm (<i>Cooperia oncophora</i>, <i>C. punctata</i>, <i>C. pectinata</i>, <i>C. macmasteri</i>) Hookworm (<i>Bunostomum phlebotomum</i>) Thin-necked Intestinal Worm (<i>Nematodirus</i> spp.) Intestinal Threadworm (<i>Strongyloides papillosus</i>) Black Scour Worm (<i>Trichostrongylus</i> spp.) Large Bowel Worm (<i>Oesophagostomum radiatum</i>) Large Mouth Bowel Worm (<i>Chabertia ovina</i>) Whipworm (<i>Trichuris</i> spp.) Lungworm (<i>Dictyocaulus viviparus</i>)</p> <p>Sucking and Biting Lice: <i>Linognathus vituli</i></p>
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	<p>Bovicola (Damalinia) bovis</p> <p>Buffalo Fly (Haematobia irritans exigua) REFLEX DUO controls infection with Buffalo Fly for up to 10 days after treatment.</p> <p>Cattle Tick (Rhipicephalus (Boophilus) microplus) Maximum tick efficacy is achieved 4-5 days after treatment. Engorged female ticks that drop from cattle in the initial days after treatment may lay viable eggs. This should be taken into account when planning a strategic tick control program. REFLEX DUO should be alternated with other dips or pour-ons when the program requires repeat treatments.</p>
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Net Contents:	1 L, 2.5 L, 5 L, 10 L, 12 L, 20 L
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Directions for Use:	
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Restrains:	<p>DO NOT USE on lactating cows or within 60 days of calving where milk may be used or processed for human consumption.</p> <p>Re-treatment interval: DO NOT re-treat animals for 35 days after last treatment.</p>
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Contraindications:	This product is contraindicated for use in calves less than 50 kg body weight.
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Precautions:	<p>This product should not be used on animals which are severely stressed or in ill health. Exercise care in handling weak, pregnant and young animals to avoid unnecessary stress. Recommended dose should not be exceeded. Doses of 3 or more times the recommended dose can cause symptoms of levamisole toxicity so estimate weights carefully. Dehydrated animals may be more susceptible to toxicity.</p>
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Side Effects:	<p>Temporary skin reaction or hair loss may occur along the application site, especially if applied during very hot weather. Therefore do not treat cattle shortly prior to showing. These reactions should resolve without treatment. If signs persist or worsen, contact your veterinarian.</p>
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Dosage and Administration:	<p>REFLEX DUO dose rate is 1 mL / 20 kg body weight (0.5 mg/kg abamectin and 10 mg/kg levamisole). Apply along the backline of the animal, using the REFLEX DUO applicator, in a strip starting between the shoulder blades. This product is not to be given orally or injected. Only use the pour-on applicator supplied for use with REFLEX DUO. REFLEX DUO is not compatible with other guns. After use, rinse gun with warm soapy water.</p> <p>Dosage chart Liveweight ; Dosage volume (mL)</p> <table border="0"> <tr><td>51-100 kg;</td><td>0.5 mL/10 kg</td></tr> <tr><td>101-150 kg;</td><td>7.5</td></tr> <tr><td>151-200 kg;</td><td>10</td></tr> <tr><td>201-250 kg;</td><td>12.5</td></tr> <tr><td>251-300 kg;</td><td>15</td></tr> <tr><td>301-350 kg;</td><td>17.5</td></tr> <tr><td>351-400 kg;</td><td>20</td></tr> <tr><td>401-450 kg;</td><td>22.5</td></tr> <tr><td>451-500 kg;</td><td>25</td></tr> <tr><td>501-550 kg;</td><td>27.5</td></tr> <tr><td>551-600 kg;</td><td>30</td></tr> <tr><td>601-650 kg;</td><td>32.5</td></tr> </table>	51-100 kg;	0.5 mL/10 kg	101-150 kg;	7.5	151-200 kg;	10	201-250 kg;	12.5	251-300 kg;	15	301-350 kg;	17.5	351-400 kg;	20	401-450 kg;	22.5	451-500 kg;	25	501-550 kg;	27.5	551-600 kg;	30	601-650 kg;	32.5
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	<p>Cattle lighter than 100 kg should be dosed at 0.5 mL per 10 kg, and those heavier than 650 kg should be dosed at 1 mL per 20 kg. A representative sample of animals should be weighed 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 the group, draft into two or more lines based on bodyweight, to avoid excessive overdosing. Check the accuracy of guns regularly.</p>
General Directions:	<p>REFLEX DUO is rainfast. Rain occurring as early as 2 hours after treatment is unlikely to affect the efficacy of the product. However rainfall on cattle less than 2 hours after treatment may result in reduced efficacy. REFLEX DUO should not be applied to wet animals.</p> <p>Ask your 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.</p> <p>NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION</p>
Withholding Periods:	<p>MEAT: DO NOT USE less than 56 days before slaughter for human consumption. Calves MUST NOT be slaughtered for human consumption within 60 days of treatment of dams.</p> <p>MILK: DO NOT USE on lactating cows or within 60 days of calving where milk may be used or processed for human consumption. If cows calve earlier than 60 days after treatment, milk may contain residues. This milk MUST NOT be used for human consumption, supplied for processing or fed to bobby calves for at least 60 days following treatment.</p>
Trade Advice:	<p>EXPORT SLAUGHTER INTERVAL (ESI): DO NOT USE less than 70 days before slaughter for export. Before using this product, confirm the current ESI from Alleva Animal Health on (02) 9810 1104 or the APVMA website (www.apvma.gov.au/residues).</p>
Safety Directions:	<p>Harmful if absorbed by skin contact or swallowed. Repeated exposure may cause allergic disorders. Will damage eyes and skin. Avoid contact with eyes and skin. If clothing becomes contaminated with product, remove clothing immediately. When opening the container and using the product, wear cotton overalls fastened to the neck and wrist (or equivalent clothing), a washable hat, elbow-length chemical resistant gloves and goggles.</p>
First Aid Instructions:	<p>If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26. If skin contact occurs, remove contaminated clothing and wash skin thoroughly. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.</p>
First Aid Warnings:	
Additional User Safety:	<p>When handling cattle for multiple procedures, it is recommended to apply REFLEX DUO last to minimise worker's exposure by contact with the treated animals. Additional information is listed in the safety data sheet.</p>
Environmental Statements:	<p>ENVIRONMENTAL PROTECTION</p> <p>Abamectin is extremely toxic to aquatic species. Do not contaminate dams, rivers, streams or other waterways with the chemical or used container.</p>

Disposal:	<p>[1 L] Dispose of container by wrapping with paper and putting in garbage.</p> <p>[Other pack sizes] Triple-rinse container and dispose of rinsate in compliance with relevant local, state or territory government regulations. Do not dispose of undiluted chemicals onsite. If the container has the drumMUSTER logo visible, and has been thoroughly cleaned and dried, and is free of any visible residues, it can be recycled at any drumMUSTER collection or similar container management program site. The cap should not be replaced, but may be recycled separately with the container. If not recycling, break, crush, or puncture container and deliver to an approved waste management facility. If an approved waste management facility is not available, bury the broken, crushed or punctured containers 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.</p>
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Storage:	Store below 25°C (air conditioning). Protect from light.
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