



Product Name: ZOLVIX PLUS BROAD SPECTRUM ORAL ANTHELMINTIC FOR SHEEP AND CATTLE
APVMA Approval No: 69763/129498

Label Name:	ZOLVIX PLUS BROAD SPECTRUM ORAL ANTHELMINTIC FOR SHEEP AND CATTLE
-------------	---

Signal Headings:	CAUTION KEEP OUT OF REACH OF CHILDREN FOR ANIMAL TREATMENT ONLY READ SAFETY DIRECTIONS BEFORE OPENING OR USING
------------------	---

Constituent Statements:	2 mg/mL ABAMECTIN 25 mg/mL MONEPANTEL
-------------------------	--

Claims:	<p>Monepantel is a member of the class of anthelmintics called the Amino-Acetonitrile Derivatives (AADs) while Abamectin is a member of the Macrocytic Lactone (ML) class of anthelmintics.</p> <p>ZOLVIX PLUS is effective for the treatment and control of sensitive strains of nematodes (roundworms), including nematodes that have single, dual or triple resistance to macrocytic lactones (including moxidectin resistant strains), benzimidazoles (white drenches), imidazothiazoles (levamisole and morantel (clear drenches)) and closantel (Haemonchus contortus only), or their combinations in sheep.</p> <p>When used at the recommended dose rate (2.5 mg/kg monepantel / 0.2 mg/kg abamectin), ZOLVIX PLUS is effective for the treatment and control of sensitive strains of nematodes (roundworms), including nematodes that have single, dual or triple resistance to macrocytic lactones (including moxidectin resistant strains), benzimidazoles (white drenches), imidazothiazoles (levamisole and morantel (clear drenches)) and closantel (Haemonchus contortus only) or their combinations in sheep.</p> <p>ZOLVIX PLUS is also effective against AAD-sensitive immature (L4) stages of Haemonchus contortus and Teladorsagia circumcincta in sheep where a combination of a macrocytic lactone and derquantel is less effective.</p> <p>ZOLVIX PLUS is effective for the treatment and control of nematodes (roundworms) sensitive to monepantel and/or abamectin, including Haemonchus placei and Nematodirus helvetianus strains that have resistance to macrocytic lactones and Nematodirus helvetianus and Cooperia oncophora strains that have resistance to benzimidazoles (white drenches) in beef cattle and non-lactating dairy cattle.</p> <p>Efficacy spectrum SHEEP Barber's pole worm: Haemonchus contortus**;</p>
---------	---

Small brown stomach worm: *Ostertagia (Teladorsagia) circumcincta**, *Ostertagia (Teladorsagia) trifurcata**, *Ostertagia (Teladorsagia) davtiani**, *Ostertagia (Teladorsagia) spp.***;
 Black scour worm: *Trichostrongylus colubriformis**, *Trichostrongylus vitrinus**, *Trichostrongylus rugatus**;
 Stomach hair worm: *Trichostrongylus axei**;
 Thin necked intestinal worm: *Nematodirus filicollis**, *Nematodirus spathiger**; Small intestinal worm: *Cooperia curticei**, *Cooperia oncophora**;
 Large mouthed bowel worm: *Chabertia ovina**; and Large bowel worm: *Oesophagostomum venulosum**.
 ZOLVIX PLUS is also effective against AAD-sensitive immature (L4) stages of *H. contortus* and *T. circumcincta* where a combination of a macrocyclic lactone and derquantel is less effective.

* Includes adult and immature L4 stage

** Includes adult, immature L4 stage and inhibited L4 stage

CATTLE

Barbers pole worm: *Haemonchus placei**;
 Small brown stomach worm: *Ostertagia ostertagi***;
 Stomach hair worm: *Trichostrongylus axei**;
 Small intestinal worm: *Cooperia oncophora**, *Cooperia pectinata**, *Cooperia punctata**, *Cooperia mcmasteri**;
 Thin necked intestinal worm: *Nematodirus helvetianus**; Hookworm: *Bunostomum phlebotomum****;
 Nodule worm: *Oesophagostomum radiatum****.

* Includes adult and immature L4 stage

** Includes adult, immature L4 stage and inhibited L4 stage

*** Includes adult stage only

Resistance may develop to any chemical. 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.

Net Contents:	0.5 L 1 L 2.5 L 5 L 10 L 15 L 20 L
---------------	--

Directions for Use:	
---------------------	--

Restrictions:	<p>DO NOT USE in sheep less than 10 kg bodyweight.</p> <p>DO NOT USE in cattle less than 100 kg bodyweight.</p> <p>DO NOT USE in ewes which are producing or may in the future produce milk that may be used or processed for human consumption.</p> <p>DO NOT USE in lactating cows or within 49 days of calving where milk may be used or processed for human consumption.</p> <p>Re-treatment interval SHEEP: DO NOT re-treat animals for 42 days after the last treatment.</p>
---------------	---

	CATTLE: DO NOT re-treat animals for 21 days after the last treatment. After three consecutive treatments, 61 days must elapse before treating again.
--	--

Contraindications:	<p>This product is contraindicated for use in lambs under 6 weeks of age or less than 10 kg body weight.</p> <p>This product is contraindicated for use in calves under 16 weeks of age or less than 100 kg body weight.</p>
--------------------	--

Precautions:	Safety in breeding cattle and pregnant or lactating cows has not been established.
--------------	--

Side Effects:	
---------------	--

Dosage and Administration:	<p>Use remaining product within 12 months of opening the container.</p> <p>ZOLVIX PLUS is a ready to use oral solution.</p> <p>A representative sample of animals should be weighed before treatment. Dose the animals to the heaviest liveweight in each group. DO NOT under dose. Where there is a large variation in weight within the group, dose should be based on the label directions for each weight range. Drafting into two or more lines may be appropriate, to avoid excessive overdosing. A correct drenching technique is recommended; carefully place the drench gun nozzle in the side of the mouth and over the back of the tongue before delivering the dose. Check dose rates and drench gun before treatment commences. Drench animals orally using an Elanco recommended drench gun. Maintain applicator gun carefully to ensure accurate dosage. After use, clean gun by flushing with warm, soapy water. Rinse with cold water.</p> <p>SHEEP The dose for sheep and lambs is 0.5 mL/5 kg (1 mL/10 kg), equivalent to 2.5 mg monepantel/kg and 0.2 mg abamectin/kg body weight.</p> <p>[Sheep dose table]</p> <p>CATTLE The dose for cattle is 5 mL/50 kg (1 mL/10 kg), equivalent to 2.5 mg monepantel/kg and 0.2 mg abamectin/kg body weight.</p> <p>[Cattle dose table] This section contains file attachment.</p>
----------------------------	--

General Directions:	<p>Mode of Action</p> <p>AADs have a completely unique mode of action compared to all other anthelmintics available on the market. Monepantel causes a paralysis of the worms by binding to a specific receptor that is only found in nematode parasites (roundworms). It is believed that the high margin of safety in sheep and cattle, and environmental safety is attributable to the fact that the specific receptor for the AADs has not been found in any animal species other than nematodes. Abamectin causes paralysis and death of target organisms via the activation of a glutamate gated chloride channel present in invertebrate nerve and muscle cells, and/or through the effect on gamma-aminobutyric acid (GABA) receptors.</p>
---------------------	---

Withholding Periods:	<p>MEAT (SHEEP): DO NOT USE less than 14 days before slaughter for human consumption.</p> <p>MEAT (CATTLE): DO NOT USE less than 12 days before slaughter for human consumption.</p> <p>MILK (SHEEP): DO NOT USE in ewes which are producing or may in the future produce milk that may be used or processed for human consumption.</p> <p>MILK: (CATTLE): DO NOT USE in lactating cows or within 49 days of calving where milk may be used or processed for human consumption.</p>
----------------------	---

Trade Advice:	<p>EXPORT SLAUGHTER INTERVAL (ESI): DO NOT USE less than SHEEP: 21 days and CATTLE: 61 days before slaughter for export. Before using this product, confirm the current ESI from Elanco Australasia on 1800 226 324 or the APVMA website (www.apvma.gov.au/residues).</p>
---------------	--

Safety Directions:	<p>Repeated exposure may cause allergic disorders. Sensitive workers should use protective clothing. When opening the container and using the product, wear elbow length chemical-resistant gloves. If product on skin, immediately wash area with soap and water. Wash hands after use. After each days use, wash gloves.</p>
--------------------	--

First Aid Instructions:	<p>If skin contact occurs, remove contaminated clothing and wash skin thoroughly. If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 1126.</p>
-------------------------	---

First Aid Warnings:	
---------------------	--

Additional User Safety:	
-------------------------	--

Environmental Statements:	<p>ENVIRONMENTAL PROTECTION</p> <p>Do not contaminate dams, rivers, streams or other waterways with the chemical or used container.</p>
---------------------------	---

Disposal:	<p>0.5L; 1L Dispose of container by wrapping with paper and putting in garbage.</p> <p>2.5L; 5L; 10L, 15L, 20L (HDPE Bottles) Triple-rinse container and dispose of rinsate in compliance with relevant local, state or territory government regulations. Do not dispose of undiluted chemicals on-site. 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>
-----------	--

(Aluminium pouches)

Triple-rinse container and dispose of rinsate in compliance with relevant local, state or territory government regulations. Do not dispose of undiluted chemicals on-site. 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.

Storage:

Store below 30 °C (room temperature).

Store in the original tightly closed container.

Protect from light.

[SHEEP]

Body weight (kg)	Dose (mL)
10 - 15	1.5
16 - 20	2.0
21 - 25	2.5
26 - 30	3.0
31 - 35	3.5
36 - 40	4.0
41 - 50	5.0
51 - 60	6.0
61 - 70	7.0
71 - 80	8.0

Sheep in excess of 80 kg body weight should be dosed at 1 mL/10 kg.

[CATTLE]

Body weight (kg)	Dose (mL)
100	10
101-120	12
121-150	15
151-200	20
201-250	25
251-300	30
301-350	35
351-400	40
401-450	45
451-500	50
501-550	55
551-600	60
601-650	65

Cattle in excess of 650 kg body weight should be dosed at 5 mL/50 kg.