

**PROPERTIES OF ECTOPARASITIC DRUGS USED IN LARGE ANIMAL MEDICINE**

TRADE NAME	ACTIVE INGREDIENT	MECHANISM OF ACTION	DOSAGE mg/kg	INDICATIONS	ROUTE OF ADMINISTRATION	TOXIC EFFECTS	WITHDRAWAL TIME
Imizol injection	Imidocarb dipropionate	Interference with the production and/or the utilization of polyamines to prevent the entry of inositol into the erythrocyte containing the parasite.	Therapy- 0.85 mg/kg bw Prevention- 2.125 mg/kg bw	Treatment and prevention of bovine babesiosis	SC	Salivation, vomiting, and occasionally diarrhea	Meat: 90 days Milk: 7 days
Quinuronium sulphate & Vit C	Quinuronium sulphate			Treatment of <i>Babesia divergens</i>			

**ENDOPARASITIC DRUGS USED IN LARGE ANIMAL MEDICINE**

TRADE NAME	ACTIVE INGREDIENT	MECHANISM OF ACTION	DOSAGE mg/kg	INDICATIONS	ROUTE OF ADMINISTRATION	TOXIC EFFECTS	WITHDRAWAL TIME
Equitak	Abamectin, Praziquantel + Oxfendazole	Abamectin, a member of the macrocyclic lactone chemical family and Oxfendazole, a member of the Benzimidazole family, are extremely effective broad spectrum wormers both acting in different ways to kill worms, where as Praziquantel specifically targets and kills tapeworms. By combining two totally different actives such as Abamectin and Oxfendazole,	<u>Horses</u> : 1g/20kg	Treat and control GI worm parasites: large and small strongyles, large roundworms, (Ascarids, both sensitive and resistant to Abamectin), lungworms, pinworms and stomach bots, and tapeworms in horses.	PO	None Specified	Meat: 28 days

		you lessen the chance of a resistant worm population developing.					
<b>ChanaVerm</b>	Levamisole Hydrochloride	Levamisole works as a nicotinic acetylcholine receptor agonist that causes continued stimulation of the parasitic worm muscles, leading to paralysis.	Cattle Dose:5ml/50kg Sheep Dose: 1ml/10kg bodyweight.	Chanaverm 7.5% is a broad spectrum wormer for the treatment and control of gastro-intestinal and pulmonary nematode infections in cattle and sheep.	PO	Not to be used in animals producing milk for human consumption.	Meat Withhold: 20days
<b>Ancoban [Amprolium 20%]</b>	Amprolium Hydrochloride	It is a thiamine antagonist and due to its close structural similarity it blocks the thiamine receptors. This blockage of receptors prevents coccidia from utilizing thiamine and as a result thiamine is unavailable to coccidian.	Give amprolium at the 0.012% level (10 oz AMPROL 128 20% Soluble Powder per 128 Gallons) as soon as coccidiosis is diagnosed and continue for three to five days. (in severe outbreaks, give amprolium at the 0.024% level.) Continue with 0.006% amprolium medicated water for an additional 1 to 2 weeks. No other source of drinking water should be available to the birds during this time.	Treatment and prevention of coccidiosis in growing chickens, turkeys and laying hens	PO	Amprolium 20% is prohibited from a laying age onwards. Do not administer to poultry whose eggs are intended for human consumption, or to animals with impaired liver and/or renal functions. Do not administer to turkeys before the age of 8 to 10 weeks.	Meat – 24 hours  Milk - Nil

			Use as the sole source of amprolium.				
Amprolium 250 WSP	Amprolium Hydrochloride	It is a thiamine antagonist and due to its close structural similarity it blocks the thiamine receptors. This blockage of receptors prevents coccidia from utilizing thiamine and as a result thiamine is unavailable to coccidian.	<b>POULTRY:</b> 100-150g per 100L of drinking water during 5-7 days, followed by 25g per 100L of drinking water during 1/2 weeks. <b>CALVES, LAMBS, KIDS:</b> 3g per 20kg bodyweight as drench during 1-2 days, followed by 7.5kg per 1,000kg of feed during 3 weeks. <b>CATTLE, SHEEP:</b> 3g per 20kg bodyweight during 5 days (via drinking water)	Anti-protozoal drug and in chemical structure analogue to thiamine (vitamin B1). It inhibits the use of thiamine by the protozoal parasites. Preventive or therapeutic agent against Eimeria infections in poultry, especially E. tenella, E. necatrix, E. acervulina and E. praecox.	PO	Do not use in layers producing eggs for human consumption	Meat - 3 days  Milk - 3 days