



Product Name: IMAX GOLD LIQUID TAPEWORMER BROAD SPECTRUM WORMER AND BOTICIDE FOR HORSES
 APVMA Approval No: 58640/130565

Label Name:	IMAX GOLD LIQUID TAPEWORMER BROAD SPECTRUM WORMER AND BOTICIDE FOR HORSES
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Signal Headings:	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS FOR ANIMAL TREATMENT ONLY
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Constituent Statements:	75 mg/ml PRAZIQUANTEL 10 mg/ml IVERMECTIN
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Claims:	<p>IMAX® GOLD, when used at the recommended dose level of 200 µg ivermectin per kilogram live weight and 1.5mg praziquantel controls the following parasites of horses:</p> <p>Tapeworms: Anoplocephala perfoliata, Anoplocephala magna, Paranoplocephala mammillana (adults, immature, heads and segments).</p> <p>Large Strongyles: Strongylus vulgaris (adult and arterial larval stages), Strongylus edentatus (adults and tissue stages), Strongylus equinus (adults) Tridontophorus spp. (adults) Craterostomum acuticaudatum (adults).</p> <p>Small Strongyles: Including benzimidazole resistant strains Cyathostomum spp. (adults and fourth stage larvae) Cylicocyclus spp. (adults and fourth stage larvae) Cylicostephanus spp.(adults and fourth stage larvae) Cylicodontophorus spp. (adults and fourth stage larvae) Gyalocephalus spp. (adults and fourth stage larvae) Coronocyclus spp. (adults and fourth stage larvae) Parapoteriostomum spp. (adults and fourth stage larvae) Petrovinema spp. (adults and fourth stage larvae) Poteriostomum spp (adults and fourth stage larvae)</p> <p>Pinworms: Oxyuris equi (adults and fourth stage larvae)</p> <p>Ascarids: Parascaris equorum (adults and fourth stage larvae)</p>
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Hairworms:
Trichostrongylus axei (adults).

Large Mouth Stomach Worms:
Habronema muscae (adults).

Bots:
Gasterophilus spp. (oral and gastric stages).

Lungworms:
Dictyocaulus arnfieldi (adult and immature).

Intestinal Threadworms:
Strongyloides westeri (adults).

IMAX® GOLD Liquid is also effective for control of skin lesions caused by Habronema and Draschia spp., cutaneous larvae (summer sores), and Onchocerca spp. microfilariae (cutaneous onchocerciasis).

IMAX® GOLD is a member of the macrocyclic lactone class of endectocides.

Resistance can develop to any chemical. See your veterinarian if resistance is suspected.

Net Contents:

50mL
100mL
250mL
1L

Directions for Use:

Restraints:

Contraindications:

Precautions:

Side Effects:

Dosage and Administration:

SHAKE WELL BEFORE USE

The recommended dose is 1mL IMAX® GOLD Liquid per 50kg liveweight (equivalent to 200 µg ivermectin per kilogram liveweight and 1.5 mg praziquantel per kilogram liveweight). IMAX® GOLD Liquid can be given as an oral drench or by stomach tube (nasogastric intubation). Nasogastric intubation should only be done by a veterinarian or under veterinary supervision.

Administration as an oral drench:

For administration by this method, an undiluted dose is usually preferred. Clear the horse's mouth of any food material, elevate the horse's head, and using a suitable dosing syringe, deposit the appropriate dose in the back of the mouth. In order to avoid unnecessary coughing or the potential for material to enter the trachea and lungs, do not use excessive pressure, do not use a large dose volume of diluted IMAX® GOLD Liquid, and do not deposit the dose in the laryngeal area. Increased dose rejection may occur if the dose is deposited in the front of the mouth. Keep the horse's head elevated and observe the horse to ensure the dose is retained.

Administration by stomach tube (gravity or positive flow):

Drenching horses by nasogastric intubation requires specialised skills and knowledge. Special consideration should be given to the effects of potential injury from handling, restraint and placement of the tube during administration by stomach tube. Nasogastric intubation should only be done by a veterinarian or under veterinary supervision.

The recommended dose can be used undiluted or diluted up to approximately 40 times with clean tepid water. Use tepid water to flush any drug remaining in the tube into the horse's stomach. Pour the IMAX® GOLD Liquid into a graduated cylinder for dose measurement. Alternatively use a calibrated dosing syringe inserted into the bottle to measure the appropriate dose. Use a clean, dry syringe if accessing the bottle to avoid contaminating the remaining product.

Discard any unused diluted IMAX® GOLD suspension 24 hours after dilution.

General Directions:

IMAX® GOLD (Ivermectin & Praziquantel) Liquid has been formulated for administration by oral drench or stomach tube (nasogastric intubation). One low-volume dose is effective against important internal parasites, including tapeworms and the arterial stages of *Strongylus vulgaris*, and bots.

Ivermectin is derived from the avermectins, a family of potent, broad-spectrum antiparasitic agents, which are isolated from fermentation of *Streptomyces avermitilis*.

Praziquantel is indicated for the treatment of tapeworms (*Anoplocephala perfoliata*, *Anoplocephala magna*, *Paranoplocephala mamillana* (adults, immature, head and segments)).

MODE OF ACTION:

IMAX® GOLD is a member of the macrocyclic lactone class of endectocides which have a unique mode of action. Compounds of the class bind selectively and with high affinity to glutamate-gated chloride ion channels which occur in invertebrate nerve and muscle cells. This leads to an increase in the permeability of the cell membranes to chloride ions with hyperpolarization of the nerve or muscle cell, resulting in paralysis and death of the parasite. Compounds of this class may also interact with other ligand-gated chloride channels, such as those gated by the neurotransmitter gamma-aminobutyric acid (GABA).

The margin of safety for compounds of this class is attributable to the fact that mammals do not have glutamate-gated chloride channels; the macrocyclic lactones have a low affinity for other mammalian ligand-gated chloride channels and they do not readily cross the blood-brain barrier.

Suggested Parasite Control Program:

All horses should be included in a regular parasite control program with particular attention being paid to mares, foals and yearlings. Foals should be treated initially at 6 to 8 weeks of age, and routine treatment repeated as appropriate for the individual property. Frequency of treatment should be assessed by each property's veterinary adviser considering the number of horses, their age distribution, reproductive status, stocking rate, grazing access, climate and the property's parasite infestation status. IMAX® GOLD is highly effective against tapeworms, gastrointestinal, cutaneous and pulmonary nematodes and bots of horses of all ages. Regular treatment will reduce the chances of verminous arteritis and colic caused by *S. vulgaris*.

Safety of Horses:

IMAX® GOLD liquid may be used in horses of all ages including mares at any stage of pregnancy provided normal care is taken in handling. Stallions may be treated without adversely affecting their fertility.

Swelling and itching reactions after treatment with IMAX® GOLD Liquid have occurred in horses carrying heavy infections of neck threadworm microfilariae, *Onchocerca* spp. These

	<p>reactions were most likely the result of microfilariae dying in large numbers. Symptomatic treatment may be advisable.</p> <p>Healing of summer sores involving extensive tissue changes may require other therapy in conjunction with IMAX® GOLD Liquid. Reinfection, and measures for its prevention, should also be considered.</p> <p>DO NOT USE IN ANIMALS OTHER THAN HORSES.</p>
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Withholding Periods:	MEAT WITHHOLDING PERIOD (HORSES):DO NOT USE less than 28 days before slaughter for human consumption.
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Trade Advice:	
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Safety Directions:	Poisonous if swallowed. Avoid contact with eyes, skin and clothing.
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First Aid Instructions:	If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.
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First Aid Warnings:	
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Additional User Safety:	For further information refer to the Safety Data Sheet.
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Environmental Statements:	<p>ENVIRONMENTAL PROTECTION:</p> <p>Ivermectin 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>[50 mL, 100 mL, 250 mL]</p> <p>Dispose of container by wrapping with paper and putting in garbage.</p> <p>[1 L]</p> <p>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 recycling, replace cap and return clean container to recycler or designated collection point. 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 30°C (Room Temperature). Store bottle in carton to protect from light.
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