



TECHNICAL NOTES



Promectin® Plus

Allwormer Paste for Horses



Active Constituents

Abamectin 3.7 mg/g
Praziquantel 46.2 mg/g

Properties

Combines abamectin, a member of the avermectin group of compounds, with praziquantel. Abamectin is a highly efficient broad spectrum wormer with activity against gastrointestinal, pulmonary and cutaneous nematodes, bots and external parasites. It acts by binding selectively to glutamate-gated chloride channels in invertebrate nerve and muscle cells, and causes depolarisation of the nerve and muscle cells which leads to paralysis and death of the parasites. Abamectin has good activity against both mature and immature stages of the nematodes. In the horse this is particularly of advantage with *Strongylus vulgaris*, so reducing the incidence of verminous arteritis and associated colic.

Abamectin has been demonstrated to be safe when used at twice the recommended dose in foals, pregnant mares and breeding stallions, and up to five times the recommended dose in adults.

Praziquantel is an isoquinoline pyrazine which is readily absorbed from the gastrointestinal tract and excreted in the bile and urine. It has an extremely high activity against all species of tapeworms, is absorbed readily and rapidly by cestodes (tapeworms) and causes a rapid tetanic spasm of the musculature of the parasite and vacuoles to appear in the tegument. In the tapeworm there is first rapid contraction of the muscles and then a rise in the cell membrane calcium permeability which subsequently leads to muscle paralysis. Praziquantel has been shown to have a wide safety margin.

Indications

An efficient broad spectrum wormer for the treatment of internal parasites including Tapeworms: *Anoplocephala perfoliata*, *A. magna**, and *Paranoplocephala mamillana** (adult and immature, heads and segments); Large strongyles: *Strongylus vulgaris* (adults and arterial larval stages), *S. edentatus* (adults and tissue stages), *S. equinus* (adults) and *Triodontophorus* spp. (adults); Small strongyles: including benzimidazole-resistant strains of (adult and immature) *Cyathostomum* spp., *Cylicocycclus* spp., *Cylicostephanus* spp., *Cylicodontophorus* spp., and *Gyalocephalus* spp.; Pinworm: *Oxyuris equi* (adult and immature); ascarids *Parascaris equorum* (adult and immature); Hairworm: *Trichostrongylus axei* (adult); Large-mouthed stomach worm: *Habronema muscae* (adult); Neck threadworm: *Onchocerca* spp.* (microfilariae); Bots: *Gasterophilus* spp. (oral and gastric stages); Lungworm: *Dictyocaulus arnfieldi* (adult and immature); and Intestinal threadworm: *Strongyloides westeri* (adult).

*These parasites have not been recorded in New Zealand.

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Also effectively controls skin lesions caused by *Habronema** spp. and *Draschia** spp., and cutaneous larvae (summer sores) and microfilariae of *Onchocerca** spp. (cutaneous onchocerciasis*).

PROMECTIN® PLUS Allwormer Paste for Horses may be safely used on horses of all ages. Mares may be treated at any stage of pregnancy. Stallions may be treated without adversely affecting their fertility.

Precautions

All horses should be included in a regular parasite programme, with particular attention paid to mares, foals and yearlings. Because re-infection is common, treatment must be repeated routinely for effective control. Consult your veterinarian for a control programme to meet your needs.

Directions For Use

Dose: 1 mL/20 kg bodyweight (5 mL/100 kg bodyweight) administered directly into the mouth or mixed with feed.

Each weight marking on the syringe plunger will deliver sufficient paste to treat 50 kg bodyweight. The contents of the syringe will treat a total of 600 kg bodyweight.

Administration: Turn the ring on the plunger to the appropriate bodyweight setting. Insert the syringe into the side of the horse's mouth, in the gap between the front and back teeth. Advance the plunger as far as it will go, depositing the paste on the rear of the tongue. Immediately raise the horse's head for a few seconds after dosing, to ensure the full dose has been swallowed.

Withholding Period

Meat (Horses): Horses producing meat or offal for human consumption must not be sold for slaughter either during treatment or within 63 days of the last treatment.

First Aid

If poisoning occurs, contact a doctor or Poisons Information Centre on 0800 764 766.

GHS Information

For GHS information see Safety Data Sheet.

Presentation

Paste (syringe graduated to 600 kg bodyweight), 32.4 g: 20s, 60s.

Storage

Store below 30°C (room temperature). Protect from light.

Classification

Non-restricted medicine.

Registration Number

ACVM Registration No. A007913

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