

# **Banminth<sup>®</sup> 48**

## Type A Medicated Article

### Description:

**Banminth** Type A medicated article prevents and controls internal parasites in pigs. A truly versatile anthelmintic with a wide margin of safety, it can be fed to swine of all ages, including growing pigs, gilts, pregnant sows, herd boars and young breeding stock. **Banminth** prevents ascarid larval migration before they cause liver and lung damage. It is a member of the class of synthetic compounds called tetra-hydropyrimidines and is chemically unrelated to any other parasite control product used in swine.

### Active Ingredient:

Pyrantel tartrate..... 10.6% (48 g/lb)

### Registered Claims:

For the removal and control of large roundworm (*Ascaris suum*) and nodular worm (*Oesophagostomum*) infections in swine.

Aids in the prevention of migration and establishment of large roundworm (*A. suum*) infections; aids in the prevention of establishment of nodular worm (*Oesophagostomum*) infections in swine.

For the removal and control of large roundworm (*A. suum*) infections in swine.

Store in a cool, dry place.

### Mixing Directions

For mixing and use directions for complete swine feeds and for swine protein supplements, see Table 1.

### Warning:

Withdraw 24 hours prior to slaughter.

### Caution:

Consult your veterinarian before using in severely debilitated animals.

Do not mix in feeds containing bentonite.

Certain components of animal feeds, including medicated premixes, possess properties that may be a potential health hazard or a source of personal discomfort to certain individuals who are exposed to them. Human exposure should, therefore, be minimized by observing the general industry standards for occupational health and safety. Precautions such as the following should be considered: dust masks or respirators and protective clothing should be worn; dust-arresting equipment and adequate ventilation should be utilized; personal hygiene should be observed; wash before eating or leaving a work site; be alert for signs of allergic reactions - seek prompt medical treatment if such reactions are suspected.

Table 1. Mixing and Use Directions

Complete Swine Feeds Containing 0.0881% (800 g/t) Pyrantel Tartrate						
Indications for Use	Amount of <b>Banminth 48</b> per ton of complete feed			Resultant Use Level of Pyrantel Tartrate in Complete Feed		
For the removal and control of large roundworm ( <i>Ascaris suum</i> ) and nodular worm ( <i>Oesophagostomum</i> ) infections in swine. †	16.67 lb			0.0881 % (800 g/t)		
As a single therapeutic treatment in complete feed; feed at the rate of 1 lb of feed per 40 lb of body weight for animals up to 200 lb. For animals 200 lb or over, feed 5 lb of feed per head. Quantity of medicated feed required to treat pigs of various body weight is shown below:						
Pig Weight (lb)	20	40	60	80	100	200 and over
Quantity of feed per pig	½ lb	1 lb	1 ½ lb	2 lb	2 ½ lb	5 lb
Fast pigs overnight for optimum results. Pigs will generally consume this quantity of medicated feed within a few hours time after which regular feeding should be resumed. Better worming is achieved when pigs are separated by size into different lots or pens for treatment. Water should be made available to animals during fasting and treatment periods.						
Complete Swine Feeds Containing 0.0106 % (96 g/t) Pyrantel Tartrate						
Indications for Use	Amount of <b>Banminth 48</b> per ton of complete feed		Resultant Use level of Pyrantel Tartrate in Complete Feed		Direction for Use	
Aid in the prevention of migration and establishment of large roundworm ( <i>A. suum</i> ) infections; aid in the prevention of establishment of nodular worm ( <i>Oesophagostomum</i> ) infections in swine.	2 lb		0.0106% (96 g/t)		Feed continuously as the sole ration	
For the removal and control of large roundworm ( <i>A. suum</i> ) infections in swine. †	2 lb		0.0106% (96 g/t)		Feed for 3 days as the sole ration	
Swine Protein Supplements for Further Dilution to Feed Containing (0.0106% (96 g/t) Pyrantel Tartrate						
Indications for Use	Amount of <b>Banminth 48</b> per ton of protein supplement*			Directions for Use		
Aid in the prevention of migration and establishment of large roundworm ( <i>A.suum</i> ) infections; aid in the prevention of establishment of nodular worm ( <i>Oesophagostomum</i> ) infections in swine.	To calculate the amount of <b>Banminth 48</b> per ton of protein supplement, divide 4000 by the quantity (lb) of protein supplement that will be mixed with grain(s) to produce a ton of complete feed, that is:  $4000 \div X = \text{lb of Banminth 48 per ton of protein supplement}$ where X = quantity (lb) of protein supplement that will be mixed with grain(s) to produce a ton of complete feed			Prepare a complete feed by mixing proper quantities of protein supplement with grain(s). If pelleted, grind pellets before or during mixing. The resultant complete feed contains 0.0106% (96 g/t) pyrantel tartrate and is to be fed continuously as the sole ration.		
For the removal and control of large roundworm ( <i>Ascaris suum</i> ) infections in swine. †	Example calculation: Directions for use of the protein supplements require that 500 lb are to be mixed with grain(s) to produce a ton of complete feed.  $4000 \div 500 = 8 \text{ lb of Banminth 48 per ton of protein supplement}$			Prepare a complete feed by mixing proper quantities of protein supplement with grain(s). If pelleted, grind pellets before or during mixing. The resultant complete feed contains 0.0106% (96 g/t) pyrantel tartrate and is to be fed for 3 days as the sole ration.		
Swine Protein Supplements for Further Dilution to Feed Containing 0.0881% ( 800 g/t) Pyrantel Tartrate						
Indications for Use	Amount of <b>Banminth 48</b> per ton of protein supplement*			Directions for Use		
For the removal and control of large roundworm ( <i>Ascaris suum</i> ) and the nodular worm ( <i>Oesophagostomum</i> ) infections in swine. †	To calculate the amount of <b>Banminth 48</b> per ton of protein supplement, divide 33,333 by the quantity (lb) of protein supplement that will be mixed with grain(s) to produce a ton of complete feed, that is:  $33,333 \div X = \text{lb of Banminth 48 per ton of protein supplement}$ where X = quantity (lb) of protein supplement what will be mixed with grain(s) to produce a ton of complete feed  Example calculation: Directions for use of the protein supplements require that 333 lb are to be mixed with grain(s) to produce a ton of complete feed.  $33,333 \div 333 = 100 \text{ lb of Banminth 48 per ton of protein supplement}$			Prepare a complete feed by mixing proper quantities of protein supplement with grain(s). If pelleted, grind pellets before or during mixing. The resultant complete feed contains 0.0881% (800 g/t) pyrantel tartrate and is to be fed as a single therapeutic treatment at the rate of 1 lb of feed per 40 lb of body weight for animals up to 200 lb. For animals 200 lb and over, feed 5 lb of feed per head. Fast pigs overnight for optimum results. Pigs will generally consume this quantity of medicated feed within a few hours time after which regular feeding should be resumed. Better worming is achieved when pigs are separated by size into different lots or pens for treatment. Water should be made available to animals during fasting and treatment periods.		

\* To find grams of pyrantel tartrate, multiply lb of **Banminth** by 48.

† Consult your veterinarian for assistance in diagnosis, treatment and control of parasitism.