

Quest® Plus Equine Oral Gel (FORT DODGE ANIMAL HEALTH)

Introduction **Label**

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FORT DODGE ANIMAL HEALTH

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Every effort has been made to ensure the accuracy of the information published. However, it remains the responsibility of the readers to familiarize themselves with the product information contained on the USA product label or package insert.

QUEST® PLUS EQUINE ORAL GEL

Fort Dodge

moxidectin / praziquantel

NADA 141-216, Approved by FDA

Contains 20 mg moxidectin/mL (2.0% w/v) and 125 mg praziquantel/mL (12.5% w/v)

DEWORMER & BOTICIDE

FOR ORAL USE IN HORSES AND PONIES SIX MONTHS OF AGE AND OLDER

INDICATIONS

QUEST PLUS (moxidectin/praziquantel) Equine Oral Gel when administered at the recommended dose level of 0.4 mg moxidectin/kg and 2.5 mg praziquantel/kg (2.2 lb) body weight is effective in the treatment and control of the following stages of gastrointestinal parasites in horses and ponies:

Large Strongyles:

Strongylus vulgaris - (adults and L₄/L₅ arterial stages); *Strongylus edentatus* - (adults and tissue stages); *Triodontophorus brevicauda* - (adults); *Triodontophorus serratus* - (adults)

Small Strongyles (adults): *Cyathostomum* spp., including *Cyathostomum catinatum*, *Cyathostomum pateratum*; *Cylicostephanus* spp., including *Cylicostephanus calicatus*, *Cylicostephanus goldi*, *Cylicostephanus longibursatus*, *Cylicostephanus minutus*; *Cylicocyclus* spp., including *Cylicocyclus insigne*, *Cylicocyclus leptostomum*, *Cylicocyclus nassatus*; *Cylicocyclus radiatus*; *Coronocyclus* spp., including *Coronocyclus coronatus*, *Coronocyclus labiatus*, *Coronocyclus labratus*; *Gyalocephalus capitatus*; *Petrovinema poculatus*

Small Strongyles:

Undifferentiated luminal larvae

Encysted cyathostomes: Late L₃ and L₄ mucosal cyathostome larvae

Ascarids: *Parascaris equorum* - (adults and L₄ larval stages)

Pinworms: *Oxyuris equi* - (adults and L₄ larval stages)

Hairworms: *Trichostrongylus axei* - (adults)

Large-mouth stomach worms: *Habronema muscae* - (adults)

Horse stomach bots

Gasterophilus intestinalis - (2nd and 3rd instars); *Gasterophilus nasalis* - (3rd instars)

Tapeworms: *Anoplocephala perfoliata* - (adults)

One administration of the recommended dose rate of QUEST PLUS (moxidectin/praziquantel) Equine Oral Gel also suppresses strongyle egg production through 84 days.

STRATEGIC PROTECTION PROGRAMS

Consult your veterinarian for assistance in the diagnosis, treatment, and control of parasitism. For best control of parasites, all horses and ponies should be included in a strategic treatment program, with particular attention given to high performance animals. In foals, initial treatment is recommended at 6 months of age, after which they should be included in a recurrent treatment program. Because QUEST PLUS provides effective control of the mucosal stages of small strongyles (encysted cyathostomes) and tapeworms, it is useful in reducing the frequency of treatment required for successful strategic equine parasite control. A veterinarian can assist in preparing the best program for your needs.

QUEST PLUS Equine Oral Gel when used at the recommended dose rate suppresses strongyle egg production through 84 days following a single oral administration. This residual strongyle control reduces pasture contamination and provides a period of protection from reinfection for horses and ponies maintained on the same pasture.

MODE OF ACTION

QUEST PLUS Equine Oral Gel contains two active pharmaceutical ingredients, moxidectin and praziquantel. Moxidectin acts by interfering with chloride channel-mediated neurotransmission in the parasite. This results in paralysis and elimination of the parasite. Moxidectin is safe for use in horses and ponies because it does not have the same injurious effect on the mammalian nervous system. Praziquantel increases the tapeworm's membrane permeability to calcium and other cations causing severe contraction and paralysis of the tapeworm's muscles. This spastic paralysis results in the inability of tapeworms to attach to the host's intestinal wall. Detached tapeworms are either destroyed by the host's immune defense system or passed in the feces.

ADMINISTRATION AND DOSAGE

QUEST PLUS (moxidectin/praziquantel) Equine Oral Gel is specially formulated as a palatable gel which is easily administered to horses and ponies.

QUEST PLUS Gel is packaged in ready-to-use SURE-DIAL[®] syringes (see diagram of the SURE-DIAL[®] syringe below). The syringe is calibrated in 50-pound increments, up to 1250 pounds. This enables the administration of the recommended dose level by choosing a setting consistent with the animal's weight.

HOW TO SET THE DOSE

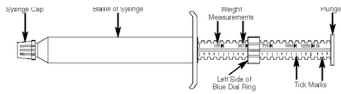
Since the dose is based on the weight of the animal, you need to use a scale or weight tape to find each animal's weight before treating with QUEST PLUS Gel. Once the weight is known, set the dose for each horse or pony as follows.

1. Hold the syringe with the capped end pointing to the left and so that you can see the weight measurements and tick marks (small black lines) as shown in the diagram below. Each tick mark relates to 50 lbs. of body weight.
2. Turn the blue dial ring until the **left** side of the ring lines up with the weight of the animal. In the diagram below, the dial ring is set to dose a 500 lb. animal.

HOW TO GIVE QUEST PLUS GEL TO A HORSE OR PONY

1. Make sure there is no feed in the animal's mouth.
2. Remove the cap from the end of the syringe. Save the cap for reuse.
3. Place the tip of the syringe inside the animal's mouth at the space between the teeth.
4. Gently push the plunger until it stops, depositing the gel on the back of the tongue.
5. Remove the syringe from the animal's mouth and raise the animal's head slightly to make sure it swallows the gel.
6. Replace the syringe cap.

SURE-DIAL[®] Syringe



TREATING A SECOND HORSE OR PONY WITH THE SAME SYRINGE

If the first animal you treat weighs less than 1250 lbs., there will be gel left in the syringe. You can use this gel to treat other horses or ponies. To set the next dose, add the weight of the animal you want to treat to the dose setting already on the syringe. For example, if the syringe was first used to treat a 250 lb. animal, the blue dial ring is set on 250 lbs. To treat a 500 lb. animal next, move the blue dial ring to the 750 lb. marking (250+500=750). You need more than one syringe to treat horses weighing more than 1250 lbs.

Each syringe of QUEST PLUS Equine Oral Gel may be used to treat more than one animal especially when dosing ponies and growing and lighter breeds of horses. The table below will help estimate the number of horses or ponies the contents of each syringe will treat.

| Age | Ponies | | | Light Horses | | | Heavy Horses | | |
|----------|--------|-------|-----------------|--------------|-------|-----------------|--------------|-------|-----------------|
| | Weight | | Treated Animals | Weight | | Treated Animals | Weight | | Treated Animals |
| | (lbs) | (kg) | (per syringe) | (lbs) | (kg) | (per syringe) | (lbs) | (kg) | (per syringe) |
| 6 months | 200 | (91) | 6 | 400 | (181) | 3 | 550 | (250) | 2 |
| 9 months | 250 | (113) | 5 | 500 | (227) | 2 | 700 | (318) | 1 |
| Mature | 450 | (204) | 2 | 900 | (409) | 1 | 1300 | (590) | * |

* A full syringe plus a portion of a second syringe is required to treat horses weighing more than 1250 lb.

ANIMAL SAFETY

QUEST PLUS (moxidectin/praziquantel) Equine Oral Gel can be safely administered at the recommended dose to horses and ponies of all breeds at least 6 months of age and older. Transient ataxia, incoordination, lethargy, depression and droopy lips and eyelids may be seen when very young or debilitated animals are treated. In these instances, supportive care may be advisable. Reproductive studies evaluating the safety of QUEST PLUS in mares at or near the time of breeding, pregnant mares and breeding stallions have not been conducted. To report adverse drug reactions or to obtain a copy of the Material Safety Data Sheet (MSDS) call (800)477-1365.

ENVIRONMENTAL SAFETY

Care should be taken to avoid the release of significant volumes of this product into either ground or free-running water since moxidectin may be injurious to aquatic life. SURE-DIAL® syringes and their contents should be disposed of in an approved landfill or by incineration.

PRECAUTIONS

QUEST PLUS Equine Oral Gel has been formulated specifically for use in horses and ponies only. **This product should not be used in other animal species as severe adverse reactions, including fatalities in dogs, may result.**

WARNINGS

Extreme caution should be used when administering the product to foals, young and

miniature horses, as overdosage may result in serious adverse reactions. Do not use in sick, debilitated, or underweight animals. Not for horses or ponies intended for human consumption.

HUMAN WARNINGS

Not for use in humans. Keep this and all drugs out of the reach of children.

Do not ingest. If swallowed, induce vomiting. Wash hands and contaminated skin with soap and water. If accidental contact with eyes occurs, flush repeatedly with water. If irritation or any other symptom attributable to exposure to this product persists, consult your physician.

HOW SUPPLIED

QUEST PLUS Equine Oral Gel is available in one syringe applicator size. Each SURE-DIAL[®] syringe contains 0.4 oz (11.6 g) of QUEST PLUS Equine Oral Gel which is sufficient to treat a single horse weighing up to 1250 lb, or two or more lighter animals with a combined body weight of up to 1250 lb. Available in 20-pack displays and 50-pack bulk (veterinary pack).

NDC 0856-7521-01 - 0.4 oz (11.6 g) syringe - 20 mg moxidectin and 125 mg praziquantel per mL

Store at or below 77°F (25°C). Avoid freezing. If frozen, thaw completely before use. Store partially-used syringes with the cap tightly secured.

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