

QUEST PLUS- moxidectin and praziquantel gel
Zoetis Inc.

QUEST® PLUS GEL
(moxidectin/praziquantel)

QUEST PLUS Oral Gel

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 Gel (moxidectin/praziquantel) 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:

Parascarisequorum – (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 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 Gel 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 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 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 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. The syringe is calibrated in 50-pound increments, up to 1500 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). Each tick mark relates to 50 lb of body weight.
2. Turn the white dial ring until the left side of the ring lines up with the weight of the 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.

TREATING A SECOND HORSE OR PONY WITH THE SAME SYRINGE

If the first animal you treat weighs less than 1500 lb, 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 white dial ring is set on 250 lb. To treat a 500 lb animal next, move the white dial ring to the 750 lb marking ($250+500=750$). You need more than one syringe to treat horses weighing more than 1500 lb.

ANIMAL SAFETY

QUEST PLUS 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. QUEST PLUS Gel is safe for use in breeding, pregnant, and lactating mares. In a reproductive safety study, 10 mares received QUEST PLUS Gel at three times the recommended dosage, and 10 mares received tap water (control). Mares were dosed at least once a month from breeding through 30 days post-foaling, with increased frequency (every 2 weeks)

around breeding. Nine out of 10 QUEST PLUS Gel treated mares became pregnant, and gave birth to live foals. Ten control mares became pregnant, and 8 out of the 10 mares gave birth to live foals.

One QUEST PLUS Gel treated mare had episodes of depression, decreased appetite, and diarrhea shortly after receiving 5 of the 17 (29%) doses. The same mare had one episode of colic shortly after one administration of QUEST PLUS Gel. This mare's colic, depression, decreased appetite, and diarrhea all resolved without treatment. Another QUEST PLUS Gel treated mare had an abnormal reproductive cycle (prolonged time to ovulation) following foal heat (at least 39 days). This mare became pregnant on the first breeding and gave birth to a female foal that was normal at birth; however, the foal developed an enlarged clitoris by Day 30 post-foaling.

To report adverse drug reactions or to obtain a copy of the Safety Data Sheet (SDS) call 1-888-963-8471.

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. Do not use in horses 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 Gel is available in one syringe applicator size.

Each SURE-DIAL[®] syringe contains 0.5 oz (14.0 g) of QUEST PLUS Gel which is sufficient to treat a

single horse weighing up to 1500 lb, or two or more lighter animals with a combined body weight of up to 1500 lb.

0.5 oz (14.0 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.

Distributed by:

Zoetis Inc.
 Kalamazoo, MI 49007
 Made in Spain
 Revised: January 2018
 40016466

PRINCIPAL DISPLAY PANEL - 11.6 g Syringe Carton

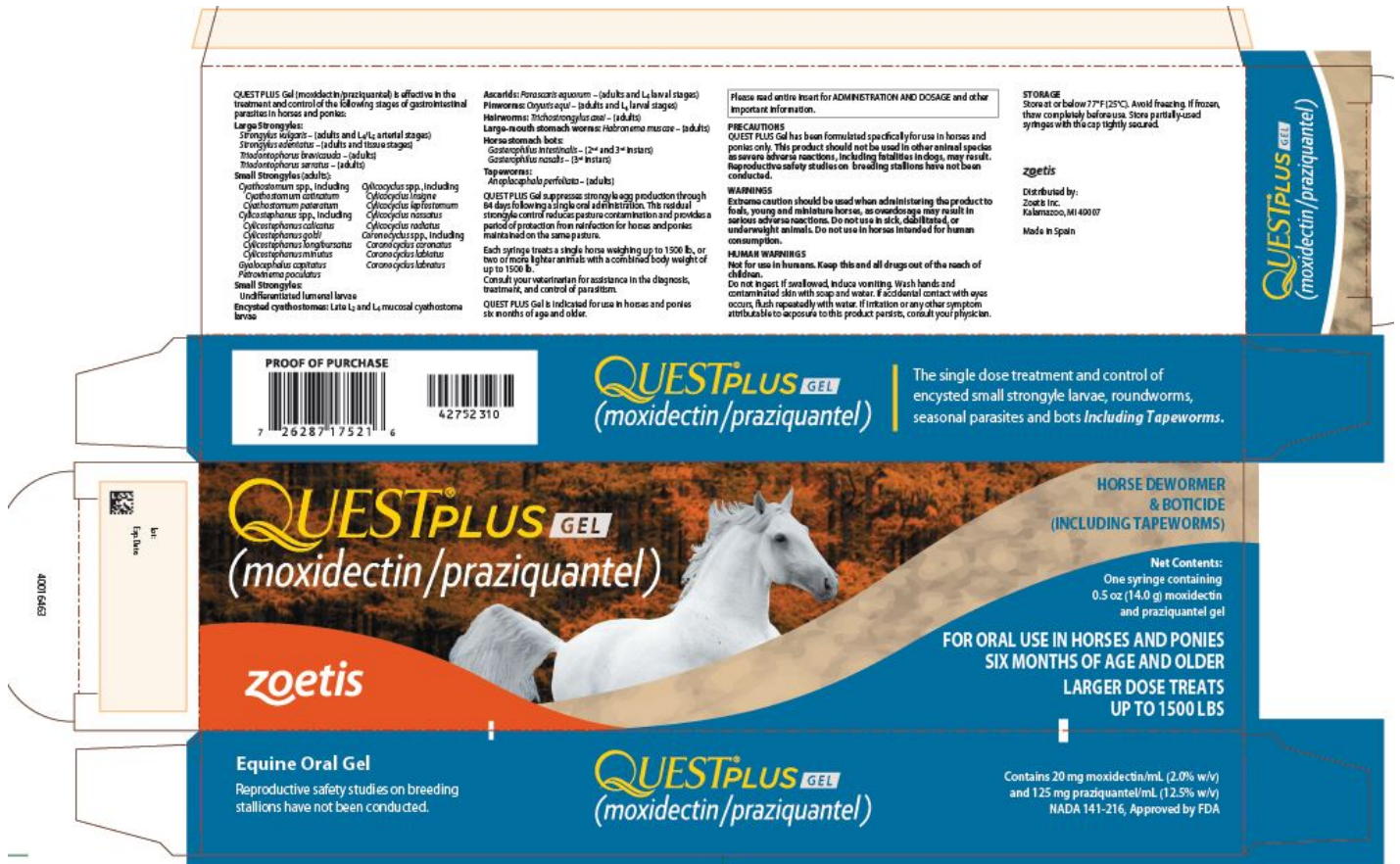
QUEST® PLUS GEL
(moxidectin/praziquantel)

**HORSE DEWORMER
 & BOTICIDE
 (INCLUDING TAPEWORMS)**

Net Contents:
One syringe containing
0.5 oz (14.0 g) moxidectin
and praziquantel gel

FOR ORAL USE IN HORSES AND PONIES
SIX MONTHS OF AGE AND OLDER
LARGER DOSE TREATS
UP TO 1500 LBS

zoetis



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Product Information

Product Type	OTC ANIMAL DRUG	Item Code (Source)	NDC:54771-7521
Route of Administration	ORAL		

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
MOXIDECTIN (UNII: NGU5H31YO9) (MOXIDECTIN - UNII:NGU5H31YO9)	MOXIDECTIN	19.5 mg in 1 g
PRAZIQUANTEL (UNII: 6490C9U457) (PRAZIQUANTEL - UNII:6490C9U457)	PRAZIQUANTEL	121.7 mg in 1 g

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:54771-7521-1	1 in 1 CARTON		
1		11.6 g in 1 SYRINGE		

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NADA	NADA141216	05/14/2003	

Labeler - Zoetis Inc. (828851555)

Revised: 1/2018

Zoetis Inc.