

§ 520.2380

21 CFR Ch. I (4-1-02 Edition)

§ 520.2380 Thiabendazole oral dosage forms.

§ 520.2380a Thiabendazole top dressing and mineral protein feed block.

(a) *Chemical name.* 2-(4-Thiazolyl)-benzimidazole.

(b) *Specifications.* Conforms to N.F. XII.

(c) *Sponsor.* (1) See No. 017800 in § 510.600(c) of this chapter for the sponsor of the usage provided by paragraph (e)(1)(ii) of this section.

(2) See No. 050604 in § 510.600(c) of this chapter for the sponsor of the usages provided for by paragraph (e)(1)(ii) of this section.

(3) See No. 021930 in § 510.600(c) of this chapter for the sponsor of the usage provided for by paragraph (e)(2) of this section.

(d) *Related tolerances.* See § 556.730 of this chapter.

(e) *Conditions of use.* It is used as follows:

(1) *Horses*—(i) *Route of administration.* In feed, as a top dressing.

(a) *Amount.* 2 grams per 100 pounds of body weight.

(b) *Indications for use.* For control of large strongyles, small strongyles, pinworms, and threadworms (including members of the genera *Strongylus*, *Cyathostomum*, *Cylicobrachytus*, and related genera, *Craterostomum*, *Oesophagodontus*, *Poteriostomum*, *Oxyuris*, and *Strongyloides*).

(c) *Limitations.* Add to the usual feed of horses mixed into that amount of the feed normally consumed at one feeding. Warning: Not for use in horses intended for food.

(ii) *Route of administration.* In feed.

(a) *Amount.* 2 grams per 100 pounds of body weight.

(1) *Indications for use.* For control of large and small strongyles, *Strongyloides*, and pinworms of the genera *Strongylus*, *Cyathostomum*, *Cylicobrachytus* and related genera, *Craterostomum*, *Oesophagodontus*, *Poteriostomum*, *Oxyuris*, and *Strongyloides*.

(2) *Limitations.* Administer in a single dosage mixed with the normal grain ration given at one feeding. Warning: Not for use in horses intended for food.

(b) *Amount.* 4 grams per 100 pounds of body weight.

(1) *Indications for use.* For control of ascarids of the genus *Parascaris*.

(2) *Limitations.* Administer in a single dosage mixed with the normal grain ration given at one feeding. Warning: Not for use in horses intended for food.

(2) *Cattle*—(i) *Route of administration.* In feed block.

(ii) *Amount.* 3.3 percent block consumed at the recommended level of 0.11 pound per 100 pounds of body weight per day.

(iii) *Indications for use.* For control of infections of gastrointestinal roundworms (*Trichostrongylus*, *Haemonchus*, *Ostertagia* and *Cooperia*).

(iv) *Limitations.* Administer to cattle on pasture or range accustomed to mineral protein block feeding for 3 days. Milk taken from animals during treatment and within 96 hours (8 milkings) after the latest treatment must not be used for food. Do not treat cattle within 3 days of slaughter. For a satisfactory diagnosis, a microscopic fecal examination should be performed by a veterinarian or diagnostic laboratory prior to worming. Animals maintained under conditions of constant worm exposure may require re-treatment within 2 to 3 weeks. Animals that are severely parasitized, sick, or off feed should be isolated and a veterinarian consulted for advice concerning treatment.

[40 FR 13838, Mar. 27, 1975, as amended at 41 FR 9149, Mar. 3, 1976; 62 FR 63271, Nov. 28, 1997]

§ 520.2380b Thiabendazole drench or oral paste.

(a) *Chemical name.* 2-(4-Thiazolyl)benzimidazole.

(b) *Specifications.* Conforms to N.F. XII.

(c) *Sponsor.* See No. 050604 in § 510.600(c) of this chapter for the sponsor of the usages provided for by paragraph (e) of this section.

(d) *Related tolerances.* See § 556.730 of this chapter.

(e) *Conditions of use.* It is used as follows:

(1) *Horses.* As a single liquid oral dose, administered as a drench or by stomach tube; or as an oral paste.

(i) *Amount.* 2 grams per 100 pounds of body weight.

(a) *Indications for use.* For the control of infections of large strongyles (*Strongylus vulgaris*, *Strongylus edentatus*), small strongyles (*Cyathostomum*, *Cylicobrachytus* and related genera, *Craterostomum*, *Oesophagodontus*, *Poteriostomum*), pinworms (*Oxyuris*), and threadworms (*Strongyloides*).

(b) *Limitations.* Not for use in horses to be slaughtered for food purposes. When administered by stomach tube, for use only by or on the order of a licensed veterinarian. When for use as a liquid oral drench or an oral paste, consult your veterinarian for assistance in the diagnosis, treatment, and control of parasitism.

(ii) *Amount.* 4 grams per 100 pounds of body weight.

(a) *Indications for use.* For control of infections of ascaridis (*Parascaris*).

(b) *Limitations.* Not for use in horses to be slaughtered for food purposes. When administered by stomach tube, use only by or on the order of a licensed veterinarian. When for use as a liquid oral drench or an oral paste, consult your veterinarian for assistance in the diagnosis, treatment, and control of parasitism.

(2) *Pigs.* As an oral paste.

(i) *Amount.* 200 milligrams for each 5 to 7 pounds of body weight per dose.

(ii) *Indications for use.* For control of infections with *Strongyloides ransomi*. These infections are commonly found in Southeastern United States.

(iii) *Limitations.* Administer to baby pigs (1 to 8 weeks of age). Treatment may be repeated in 5 to 7 days if necessary. Before treatment, obtain an accurate diagnosis from a veterinarian or diagnostic laboratory. Do not treat within 30 days of slaughter.

(3) *Cattle.* Orally as a drench and in paste form using a dosing gun designed for the product.

(i) *Amount.* 3 grams per 100 pounds of body weight.

(a) *Indications for use.* Control of infections of gastrointestinal roundworms (*Trichostrongylus spp.*, *Haemonchus spp.*, *Nematodirus spp.*, *Ostertagia spp.*, and *Oesophagostomum radiatum*).

(b) *Limitations.* For most effective results, severely parasitized animals or those constantly exposed to helminth

infection should be re-treated every 2 to 3 weeks. Milk taken from treated animals within 96 hours (8 milkings) after the latest treatment must not be used for food. Do not treat cattle within 3 days of slaughter. For a satisfactory diagnosis, a microscopic fecal examination should be performed prior to worming.

(ii) *Amount.* 5 grams per 100 pounds of body weight.

(a) *Indications for use.* Control of infections of *Cooperia spp.* or severe infections of other species in paragraph (e)(3)(i)(a) of this section.

(b) *Limitations.* For most effective results, severely parasitized animals or those constantly exposed to helminth infection should be re-treated every 2 to 3 weeks. Milk taken from treated animals within 96 hours (8 milkings) after the latest treatment must not be used for food. Do not treat cattle within 3 days of slaughter. For a satisfactory diagnosis, a microscopic fecal examination should be performed prior to worming.

(4) *Sheep and goats.* Orally, as a drench.

(i) *Amount.* 2 grams per 100 pounds of body weight.

(ii) *Indications for use.* Control of infections of gastrointestinal roundworms in sheep and goats. (*Trichostrongylus spp.*, *Haemonchus spp.*, *Ostertagia spp.*, *Cooperia spp.*, *Nematodirus spp.*, *Bunostomum spp.*, *Strongyloides spp.*, *Chabertia spp.*, and *Oesophagostomum spp.*); also active from 3 hours to 3 days following treatment against ova and larvae passed by sheep (good activity against *Trichostrongylus colubriformis* and *axei*, *Ostertagia spp.*, *Bunostomum spp.*, *Nematodirus spp.*, and *Strongyloides spp.*; less effective against *Haemonchus contortus* and *Oesophagostomum spp.*).

(iii) *Limitations.* As a single oral dose; do not treat animals within 30 days of slaughter; milk taken from treated animals within 96 hours (8 milkings) after the latest treatment must not be used for food; in severe infections in sheep, treatment should be repeated in 2 to 3 weeks.

(5) *Goats.* Orally, as a drench.

(i) *Amount.* 3 grams per 100 pounds of body weight.

§ 520.2380c

21 CFR Ch. I (4-1-02 Edition)

(ii) *Indications for use.* Control of severe infections of gastrointestinal roundworms (*Trichostrongylus* spp., *Haemonchus* spp., *Ostertagia* spp., *Cooperia* spp., *Nematodirus* spp., *Bunostomum* spp., *Strongyloides* spp., *Chabertia* spp., and *Oesophagostomum* spp.).

(iii) *Limitations.* As a single oral dose; do not treat animals within 30 days of slaughter; milk taken from treated animals within 96 hours (8 milkings) after the latest treatment must not be used for food; treatment should be repeated in 2 to 3 weeks.

[40 FR 13838, Mar. 27, 1975, as amended at 41 FR 9149, Mar. 3, 1976; 41 FR 47424, Oct. 29, 1976; 62 FR 63271, Nov. 28, 1997]

§ 520.2380c Thiabendazole bolus.

(a) *Chemical name.* 2-(4-Thiazolyl) benzimidazole.

(b) *Specifications.* Conforms to N.F. XII.

(c) *Sponsor.* See No. 050604 in § 510.600(c) of this chapter.

(d) *Related tolerances.* See § 556.730 of this chapter.

(e) *Conditions of use.* It is used as follows:

(1) *Cattle.* In a bolus.

(i) *Amount.* 3 grams per 100 pounds of body weight.

(a) *Indications for use.* Control of infections of gastrointestinal roundworms (general *Trichostrongylus* spp., *Haemonchus* spp., *Nematodirus* spp., *Ostertagia* spp., and *Oesophagostomum radiatum*).

(b) *Limitations.* As a single oral dose; may repeat once in 2 to 3 weeks; do not treat animals within 3 days of slaughter; milk taken from treated animals within 96 hours (8 milkings) after the latest treatment must not be used for food.

(ii) *Amount.* 5 grams per 100 pounds of body weight.

(a) *Indications for use.* Control of severe infections of gastrointestinal roundworms (genera *Trichostrongylus* spp., *Haemonchus* spp., *Nematodirus* spp., *Ostertagia* spp., and *Oesophagostomum radiatum*). Control of infections with *Cooperia* spp.

(b) *Limitations.* As a single oral dose; as a drench or bolus; may repeat once in 2 to 3 weeks; do not treat animals within 3 days of slaughter; milk taken

from treated animals within 96 hours (8 milkings) after the latest treatment must not be used for food.

(2) *Sheep and goats.* In a bolus.

(i) *Amount.* 2 grams per 100 pounds of body weight.

(ii) *Indications for use.* Control of infections of gastrointestinal roundworms in sheep and goats (general *Trichostrongylus* spp., *Haemonchus* spp., *Ostertagia* spp., *Cooperia* spp., *Nematodirus* spp., *Bunostomum* spp., *Strongyloides* spp., *Chabertia* spp., and *Oesophagostomum* spp.); also active from 3 hours to 3 days following treatment against ova and larvae passed by sheep (good activity against *T. colubriformis* and *axei*, *Ostertagia* spp., *Bunostomum* spp., *Nematodirus* spp., and *Strongyloides* spp.; less effective against *Haemonchus contortus* and *Oesophagostomum* spp.).

(iii) *Limitations.* As a single oral dose; do not treat animals within 30 days of slaughter; milk taken from treated animals within 96 hours (8 milkings) after the latest treatment must not be used for food; in severe infections in sheep, treatment should be repeated in 2 to 3 weeks.

(3) *Goats.* In a bolus.

(i) *Amount.* 3 grams per 100 pounds of body weight.

(ii) *Indications for use.* Control of severe infections of gastrointestinal roundworms (genera *Trichostrongylus* spp., *Haemonchus* spp., *Ostertagia* spp., *Cooperia* spp., *Nematodirus* spp., *Bunostomum* spp., *Strongyloides* spp., *Chabertia* spp., and *Oesophagostomum* spp.).

(iii) *Limitations.* As a single oral dose; do not treat animals within 30 days of slaughter; milk taken from treated animals within 96 hours (8 milkings) after the latest treatment must not be used for food; treatment should be repeated in 2 to 3 weeks.

[40 FR 13838, Mar. 27, 1975, as amended at 41 FR 9149, Mar. 3, 1976; 62 FR 63271, Nov. 28, 1997]

§ 520.2380d Thiabendazole, piperazine citrate suspension.

(a) *Specifications.* Each fluid ounce of suspension contains 2 grams of thiabendazole and 2.5 grams of piperazine (from piperazine citrate).