(2) Penicillin may be used in accordance with the provisions of this section in the combinations provided as follows:

(i) Amprolium in accordance with §558.55.

(ii) Amprolium plus ethopatbate in accordance with §558.58.

(iii) Hygromycin B in accordance with §558.274.

(iv) Nicarbazin alone or with roxarsone as in §558.366.

(v) Roxarsone and zoalene in accordance with §558.680.

(vi) Zoalene in accordance with §558.680.

§558.464 Poloxalene.

(a) Approvals. (1) Dry Type A medicated articles: 53 percent to 000069 in §510.600(c) of this chapter.

(2) Liquid Type A medicated articles: 99.5 percent to 066104 in §510.600(c) of this chapter.

(b) Conditions of use. (1) For prevention of legume (alfalfa, clover) and wheat pasture bloat in cattle, use 7.5 grams of poloxalene per pound of liquid Type C feed (1.65 percent weight/weight). Each animal must consume 0.2 pound of Type C feed per 100 pounds of body weight daily for adequate protection. If consumption exceeds 0.2 pound of Type C feed per 100 pounds of body weight daily, cattle should be changed to a Type C feed containing 7.5 grams of poloxalene per pound.

(2) For control of legume (alfalfa, clover) bloat in cattle grazing of prebloom legumes, use 10.00 grams of poloxalene per pound of liquid Type C feed (2.2 percent weight/weight). Each animal must consume 0.2 pound of Type C feed per 100 pounds of body weight daily for adequate protection. If consumption exceeds 0.2 pound of Type C feed per 100 pounds of body weight daily, cattle should be changed to a Type C feed containing 7.5 grams of poloxalene per pound.

(3) Poloxalene dry Type A article and liquid Type A article must be thoroughly blended and evenly distributed in feed prior to use. This may be accomplished by adding the Type A article to a small quantity of feed, mixing thoroughly, then adding this mixture to the remaining feed and again mixing thoroughly. Dosage is 1 gram of poloxalene per 100 pounds of body weight daily and continued during exposure to bloat producing conditions. If bloat producing conditions are severe, the dose is doubled. Treatment should be start-

§558.465 Poloxalene free-choice liquid Type C feed.

(a) Approvals. Type A medicated articles: 99.5 percent to 066104 in §510.600(c) of this chapter.

(b) Conditions of use. (1) For control of legume (alfalfa, clover) and wheat pasture bloat in cattle, use 7.5 grams of poloxalene per pound of liquid Type C feed (1.65 percent weight/weight). Each animal must consume 0.2 pound of Type C feed per 100 pounds of body weight daily for adequate protection. If consumption exceeds 0.2 pound of Type C feed per 100 pounds of body weight daily, cattle should be changed to a Type C feed containing 7.5 grams of poloxalene per pound.

(2) For control of legume (alfalfa, clover) bloat in cattle grazing of prebloom legumes, use 10.00 grams of poloxalene per pound of liquid Type C feed (2.2 percent weight/weight). Each animal must consume 0.2 pound of Type C feed per 100 pounds of body weight daily for adequate protection. If consumption exceeds 0.2 pound of Type C feed per 100 pounds of body weight daily, cattle should be changed to a Type C feed containing 7.5 grams of poloxalene per pound.

(3) Poloxalene liquid Type A article must be thoroughly blended and evenly distributed into a liquid Type C feed and offered to cattle in a covered liquid Type C feed feeder with lick wheels. The formula for the liquid Type C feed, on a weight/weight basis, is as follows: Ammonium polyphosphate 2.66 percent, phosphoric acid (75 percent) 3.37 percent, sulfuric acid 1.00 percent, water 10.00 percent, and molasses sufficient to make 100.00 percent, vitamins A and
D and/or trace minerals may be added. One free-turning lick wheel per 25 head of cattle must be provided.

(4) The medicated liquid Type C feed must be introduced at least 2 to 5 days before legume consumption to accustom the cattle to the medicated liquid Type C feed and to lick wheel feedings. If the medicated liquid wheel Type C feed feeding is interrupted, this 2- to 5-day introductory feeding should be repeated.


§ 558.485 Pyrantel.

(a) Specifications. Type A medicated articles containing 9.6, 19.2, 48, or 80 grams per pound pyrantel tartrate.

(b) Approvals. See sponsors in § 510.600(c) of this chapter for uses as in paragraph (e) of this section:

(1) No. 066104: 9.6, 19.2, 48, and 80 grams per pound for use as in paragraphs (e)(1) through (e)(3) of this section.

(2) [Reserved]

(3) Nos. 016968, and 017790: 9.6 and 19.2 grams per pound for use as in paragraphs (e)(1) through (e)(3) of this section.

(4) [Reserved]

(5) No. 051311: 19.2 and 48 grams per pound for use as in paragraphs (e)(1) through (e)(3) of this section.

(6) No. 034936: 9.6 and 19.2 grams per pound for use as in paragraphs (e)(1) through (e)(3) of this section.

(7) Nos. 000069 and 017135: 48 grams per pound for use as in paragraph (e)(2) of this section.

(c) Related tolerances. See §556.560 of this chapter.

(d) Special considerations. (1) See §500.25 of this chapter. Consult a veterinarian before using in severely debilitated animals.

(2) Do not mix in Type B or Type C medicated feeds containing bentonite.

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

(1) Swine—(i) Amount per ton. 96 grams (0.0106 percent).

(A) Indications for use. Aid in the prevention of migration and establishment of large roundworm (Ascaris suum) infections; aid in the prevention of establishment of nodular worm (Oesophagostomum) infections.

(B) Limitations. Feed continuously as the sole ration in a Type C feed; withdraw 24 hours prior to slaughter.

(ii) Amount per ton. 96 grams (0.0106 percent).

(A) Indications for use. For the removal and control of large roundworm (Ascaris suum) infections.

(B) Limitations. Feed for 3 days as the sole ration in a Type C feed; withdraw 24 hours prior to slaughter.

(iii) Amount per ton. 800 grams (0.0881 percent).

(A) Indications for use. For the removal and control of large roundworm (Ascaris suum) and nodular worm (Oesophagostomum) infections.

(B) Limitations. As sole ration for a single therapeutic treatment in Type C feed; feed at the rate of 1 lb of feed per 40 lb of body weight for animals up to 200 lb, and 5 lb of feed per head for animals 200 lb or over; withdraw 24 hours prior to slaughter.

(iv) Amount per ton. Pyrantel tartrate, 96 grams (0.0106 percent) and carbadox, 50 grams (0.0055 percent).

(A) Indications for use. For control of swine dysentery (vibrionic dysentery, bloody scours or hemorrhagic dysentery); control of bacterial swine enteritis (salmonellosis or necrotic enteritis caused by Salmonella choleraesuis); aid in the prevention of migration and establishment of large roundworm (Ascaris suum) infections; aid in the prevention of establishment of nodular worm (Oesophagostomum) infections.

(B) Limitations. Do not feed to swine weighing over 75 pounds; do not feed within 10 weeks of slaughter; consult a veterinarian before feeding to severely debilitated animals; do not use in Type C feeds containing less than 15 percent crude protein.

(v) Amount per ton. Pyrantel tartrate, 96 grams (0.0106 percent) and tylosin, 40 to 100 grams, as tylosin phosphate.

(A) Indications for use. For prevention of swine dysentery (vibrionic); aid in the prevention of migration and establishment of large roundworm (Ascaris suum) infections; aid in the prevention of establishment of nodular worm (Oesophagostomum spp.) infections.