

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

(1) No. 000859 for use of Type A medicated articles containing 1.12, 2.0, 11.2, or 50 percent coumaphos as in paragraphs (e)(2) and (e)(3) of this section.

(2) No. 051311 for use of Type A medicated articles containing 1.12 percent coumaphos as in paragraph (e)(1) of this section.

(c) *Related tolerances.* See 40 CFR 180.189.

(d) *Special considerations.* Labeling shall bear the following caution statement: "The active ingredient coumaphos is a cholinesterase inhibitor. Do not use this product on animals simultaneously or within a few days before or after treatment with or exposure to cholinesterase-inhibiting drugs, pesticides, or chemicals." Also, see § 500.25 of this chapter.

(e) *Conditions of use—(1) Beef and dairy cattle—(i) Amount.* 0.0002 lb. (0.091 gram) per 100 lb. body weight per day for 6 consecutive days. Should conditions warrant, repeat treatment at 30-day intervals.

(ii) *Indications for use.* Control of gastrointestinal roundworms (*Haemonchus* spp., *Ostertagia* spp., *Cooperia* spp., *Nematodirus* spp., *Trichostrongylus* spp.).

(iii) *Limitations.* Feed in the normal grain ration to which the animals are accustomed, but not in rations containing more than 0.1 percent coumaphos. Do not feed to animals less than 3 months old. Do not feed to sick animals or animals under stress, such as those just shipped, dehorned, castrated, or weaned within the last 3 weeks. Do not feed in conjunction with oral drenches or with feeds containing phenothiazine.

(2) *Laying chickens—(i) Amount.* Coumaphos 27.2 grams per ton (0.003 percent).

(ii) *Indications for use.* For control of capillary worm (*Capillaria obsignata*) and as an aid in control of common round worm (*Ascaridia galli*) and cecal worm (*Heterakis gallinae*).

(iii) *Limitations.* In Type C feed; administer continuously as the total feed ration for 14 days; when reinfection occurs, treatment may be repeated but not sooner than 3 weeks after the end of the previous treatment; do not feed

to chickens within 10 days of vaccination or other conditions of stress; treatment of colored breeds of commercial layers should be avoided while in production since these breeds appear to be more sensitive to coumaphos than white breeds; as sole medication; medications in general should be avoided while birds are approaching peak production; such interruption of normal feeding practices may upset the flock and lower egg production; diagnosis by competent personnel is essential; flock condition and production records should be carefully evaluated prior to treatment.

(3) *Replacement pullets—(i) Amount.* Coumaphos 36.3 grams per ton (0.004 percent).

(ii) *Indications for use.* For control of capillary worm (*Capillaria obsignata*) and as an aid in control of common roundworm (*Ascaridia galli*) and cecal worm (*Heterakis gallinae*).

(iii) *Limitations.* In Type C feed; administer before the onset of production; diagnosis by competent personnel is essential; administer continuously as total feed ration for from 10 to 14 days; do not feed to chickens under 8 weeks of age nor within 10 days of vaccination or other conditions of stress; if birds are maintained on contaminated litter or exposed to infected birds, a second 10 to 14 day treatment is recommended but not sooner than 3 weeks after the end of the previous treatment; as sole medication; if reinfection occurs after production begins, repeat treatment as recommended for laying flocks.

[40 FR 13959, Mar. 27, 1975, as amended at 42 FR 1463, Jan. 7, 1977; 51 FR 7397, Mar. 3, 1986; 52 FR 2684, Jan. 26, 1987; 61 FR 34729, July 3, 1996; 69 FR 70056, Dec. 2, 2004; 70 FR 32489, June 3, 2005; 75 FR 24394, May 5, 2010]

§ 558.195 Decoquate.

(a) *Specifications.* Type A medicated article containing 6 percent decoquate.

(b) *Approvals.* See No. 054771 in § 510.600(c) of this chapter.

(c) *Related tolerances.* See § 556.170 of this chapter.

(d) *Special considerations.* (1) Bentonite should not be used in decoquate feeds.

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(2) Type A medicated articles may be used to manufacture dry or liquid Type B cattle (including veal calf), sheep, and goat feeds as in paragraphs (e)(2) and (e)(3) of this section.

(3) Type C cattle feeds may be manufactured from decoquinate liquid Type

B feeds having a pH between 5.0 to 6.5 and containing a suspending agent to maintain a viscosity of not less than 500 centipoises.

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

(1) *Chickens.*

Decoquinate in grams/ton	Combination in grams/ton	Indications for use	Limitations	Sponsor
(i) 27.2 .....	.....	Broiler chickens: For prevention of coccidiosis caused by <i>Eimeria tenella</i> , <i>E. necatrix</i> , <i>E. mivati</i> , <i>E. acervulina</i> , <i>E. maxima</i> , and <i>E. brunetti</i> ..	Do not feed to laying chickens.	054771
(ii) 27.2	Bacitracin methylene disalicylate 4 to 50.	Broiler chickens: As in paragraph (e)(1)(i) of this section; and for increased rate of weight gain and improved feed efficiency..	Feed continuously as sole ration; do not feed to laying chickens. Bacitracin methylene disalicylate as provided by No. 054771 in § 510.600(c) of this chapter..	054771
(iii) 27.2	Bacitracin zinc 10 to 50.	Broiler chickens: As in paragraph (e)(1)(ii) of this section..	Feed continuously as sole ration; do not feed to laying chickens. Bacitracin zinc as provided by No. 054771 in § 510.600(c) of this chapter..	054771
(iv) 27.2	Chlortetracycline 100 to 200.	Chickens: As in paragraph (e)(1)(i) of this section; control of infectious synovitis caused by <i>Mycoplasma synoviae</i> susceptible to chlortetracycline..	Feed continuously for 7 to 14 days; do not feed to chickens producing eggs for human consumption..	054771
(v) 27.2	Chlortetracycline 200 to 400.	Chickens: As in paragraph (e)(1)(i) of this section; and for control of chronic respiratory disease (CRD) and air sac infection caused by <i>M. gallisepticum</i> and <i>Escherichia coli</i> susceptible to chlortetracycline..	As in paragraph (e)(1)(vi) of this section..	054771
(vi) 27.2	Lincomycin 2	Broiler chickens: As in paragraph (e)(1)(ii) of this section..	Feed as sole ration; do not feed to laying chickens; lincomycin provided by No. 000009 in § 510.600(c) of this chapter..	054771 054771

(2) *Cattle.*

Decoquinate in grams/ton	Combination in grams/ton	Indications for use	Limitations	Sponsor
(i) 12.9 to 90.8	Cattle (including ruminating and non-ruminating calves and veal calves): For prevention of coccidiosis caused by <i>Eimeria bovis</i> and <i>E. zuernii</i> .	Feed Type C feed or milk replacer to provide 22.7 milligrams (mg) per 100 pounds (lb) of body weight (0.5 mg/kg) per day. Feed at least 28 days during periods of exposure to coccidiosis or when it is likely to be a hazard. Do not feed to cows producing milk for food. See paragraph (d)(3) of this section..	054771

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Decoquinat in grams/ton	Combination in grams/ton	Indications for use	Limitations	Sponsor
(ii) 12.9 to 90.8 ...	Chlortetracycline 500 to 4,000..	Calves, beef, and nonlactating dairy cattle: As in paragraph (e)(2)(i) of this section; for treatment of bacterial enteritis caused by <i>Escherichia coli</i> ; and for treatment of bacterial pneumonia caused by <i>Pasteurella multocida</i> organisms susceptible to chlortetracycline..	Feed Type C feed to provide 22.7 mg decoquinat and 1 gram chlortetracycline per 100 lb body weight per day for not more than 5 days. When consumed, feed 22.7 mg decoquinat per 100 lb body weight/day for a total of 28 days to prevent coccidiosis. Withdraw 24 hours prior to slaughter when manufactured from CTC (chlortetracycline) Type A medicated articles under NADA 141-147. Zero withdrawal time when manufactured from AU-REOMYCIN (chlortetracycline) Type A medicated articles under NADA 141-185. A withdrawal period has not been established for this product in preruminating calves. Do not use in calves to be processed for veal. Do not feed to animals producing milk for food. Chlortetracycline as provided by No. 054771 in § 510.600(c) of this chapter..	054771
(iii) 12.9 to 90.8 ..	Monensin 5 to 30	Cattle fed in confinement for slaughter: As in paragraph (e)(2)(i) of this section; and for improved feed efficiency..	Feed only to cattle fed in confinement for slaughter. Feed continuously as the sole ration to provide 22.7 mg of decoquinat per 100 lb body weight per day and 50 to 360 mg of monensin per head per day. Feed at least 28 days during period of exposure to coccidiosis or when it is likely to be a hazard. Do not feed to animals producing milk for food. Do not feed to lactating dairy cattle. Also see paragraph (d)(1) of this section and § 558.355(d)(8). Monensin as provided by No. 000986 in § 510.600(c) of this chapter..	054771

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Decoquinat in grams/ton	Combination in grams/ton	Indications for use	Limitations	Sponsor
(iv) 13.6 to 27.2 ..	Chlortetracycline approximately 400 (varying with body weight and feed consumption to provide 10 mg/lb of body weight per day).	Calves, beef and nonlactating dairy cattle: As in paragraph (e)(2)(i) of this section; for treatment of bacterial enteritis caused by <i>E. coli</i> ; and for treatment of bacterial pneumonia caused by <i>Pasteurella multocida</i> organisms susceptible to chlortetracycline..	Feed Type C feed to provide 22.7 mg decoquinat and 1 gram (g) chlortetracycline per 100 lb body weight (0.5 mg/kg) per day for not more than 5 days. Type C feed may be prepared from Type B feed containing 535.8 to 5,440 g/ton decoquinat and 6,700 to 80,000 g/ton chlortetracycline. When consumed, feed 22.7 mg decoquinat per 100 lb body weight/day for a total of 28 days to prevent coccidiosis. Withdraw 24 hours prior to slaughter when manufactured from chlortetracycline Type A medicated articles under NADA 141–147 and ANADA 200–359. Zero withdrawal time when manufactured from AUREOMYCIN (chlortetracycline) Type A medicated articles under NADA 141–185. Do not feed to calves to be processed for veal. Do not feed to animals producing milk for food. Chlortetracycline as provided by Nos. 054771 and 048164 in §510.600(c) of this chapter..	054771 048164
(v) 13.6 to 27.2 ...	Monensin 5 to 30 plus tylosin 8 to 10.	Cattle fed in confinement for slaughter: As in paragraph (e)(2)(i) of this section; for improved feed efficiency; and for reduction of incidence of liver abscesses caused by <i>Fusobacterium necrophorum</i> and <i>Actinomyces (Corynebacterium) pyogenes</i> ..	Feed only to cattle fed in confinement for slaughter. Feed continuously as the sole ration to provide 22.7 mg of decoquinat per 100 lb body weight per day, 50 to 360 mg of monensin per head per day, and 60 to 90 mg of tylosin per head per day. Feed at least 28 days during period of exposure to coccidiosis or when it is likely to be a hazard. Do not feed to animals producing milk for food. Also see paragraph (d)(1) of this section and §558.355(d)(8). Monensin as provided by No. 000986, and tylosin as provided by Nos. 000986 and 016592 in §510.600(c) of this chapter.	016592, 054771
(vi) 90.9 to 535.7	Cattle (including ruminating and non-ruminating calves and veal calves): As in paragraph (e)(2)(i) of this section..	Feed Type C medicated feed supplements as a top dress or mix into the daily ration to provide 22.7 mg per 100 lb of body weight (0.5 mg/kg) per day. Feed at least 28 days during periods of exposure to coccidiosis or when it is likely to be a hazard. Do not feed to cows producing milk for food. See paragraph (d)(3) of this section..	054771

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Decoquinat in grams/ton	Combination in grams/ton	Indications for use	Limitations	Sponsor
(vii) 90.9 to 535.7	Chlortetracycline 4,000 to 20,000..	Calves, beef, and nonlactating dairy cattle: As in paragraph (e)(2)(i) of this section; for treatment of bacterial enteritis caused by <i>Escherichia coli</i> ; and for treatment of bacterial pneumonia caused by <i>Pasteurella multocida</i> organisms susceptible to chlortetracycline..	Feed Type C medicated feed supplements as a top dress or mix into the daily ration to provide 22.7 mg decoquinat and 1 gram chlortetracycline per 100 lb body weight per day for not more than 5 days. When consumed, feed 22.7 mg decoquinat per 100 lb body weight per day for a total of 28 days to prevent coccidiosis. Withdraw 24 hours prior to slaughter when manufactured from CTC (chlortetracycline) Type A medicated articles under NADA 141–147. Zero withdrawal time when manufactured from AUREOMYCIN (chlortetracycline) Type A medicated articles under NADA 141–185. A withdrawal period has not been established for this product in preruminating calves. Do not use in calves to be processed for veal. Do not feed to animals producing milk for food. Chlortetracycline as provided by No. 054771 in §510.600(c) of this chapter..	054771

(3) *Minor species.*

Decoquinat in grams/ton	Combination in grams/ton	Indications for use	Limitations	Sponsor
(i) 12.9 to 90.8	1. Young sheep: For the prevention of coccidiosis caused by <i>Eimeria ovinoidalis</i> , <i>E. crandallis</i> , <i>E. parva</i> , and <i>E. bakuensis</i> ..	Feed Type C feed or milk replacer at a rate to provide 22.7 mg per 100 lb of body weight (0.5 mg per kg) per day; feed for at least 28 days during periods of exposure to coccidiosis or when it is likely to be a hazard. Do not feed to sheep producing milk for food..	054771
.....	2. Young goats: For the prevention of coccidiosis caused by <i>E. christenseni</i> and <i>E. ninakohlyakimovae</i> ..	Feed Type C feed or milk replacer at a rate to provide 22.7 mg per 100 lb of body weight (0.5 mg per kg) per day; feed for at least 28 days during periods of exposure to coccidiosis or when it is likely to be a hazard. Do not feed to goats producing milk for food..	
(ii) 90.9 to 535.7	1. Young sheep: As in item 1 of paragraph (e)(3)(i) of this section..	Feed Type C medicated feed supplements as a top dress or mix into the daily ration to provide 22.7 mg per 100 lbs of body weight (0.5 mg per kg) per day; feed for at least 28 days during periods of exposure to coccidiosis or when it is likely to be a hazard. Do not feed to sheep producing milk for food..	054771

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Decoquinatate in grams/ton	Combination in grams/ton	Indications for use	Limitations	Sponsor
.....	2. Young goats: As in item 2 of paragraph (e)(3)(i) of this section..	Feed Type C medicated feed supplements as a top dress or mix into the daily ration to provide 22.7 mg per 100 lbs of body weight (0.5 mg per kg) per day; feed for at least 28 days during periods of exposure to coccidiosis or when it is likely to be a hazard. Do not feed to goats producing milk for food..	

[67 FR 72370, Dec. 5, 2002; 68 FR 15372, Mar. 31, 2003; 69 FR 26499, May 13, 2004; 69 FR 52816, Aug. 30, 2004; 69 FR 62407, Oct. 26, 2004; 69 FR 67264, Nov. 17, 2004; 70 FR 2567, Jan. 14, 2005; 78 FR 25183, Apr. 30, 2013; 79 FR 10982, Feb. 27, 2014; 79 FR 13545, Mar. 11, 2014; 79 FR 17860, Mar. 31, 2014]

§ 558.198 **Diclazuril.**

(a) *Specifications.* Type A medicated article containing 0.2 percent diclazuril.

(b) *Approvals.* See No. 016592 in § 510.600(c) of this chapter.

(c) *Related tolerances.* See § 556.185 of this chapter.

(d) *Conditions of use.* (1) *Chickens.* For chickens it is used as follows:

Diclazuril grams/ton	Combination grams/ton	Indications for use	Limitations	Sponsor
(i) 0.91 (1 part per million (ppm)).	.....	Broiler chickens: For the prevention of coccidiosis caused by <i>Eimeria tenella</i> , <i>E. necatrix</i> , <i>E. acervulina</i> , <i>E. brunetti</i> , <i>E. mitis (mivati)</i> , and <i>E. maxima</i> . Because diclazuril is effective against <i>E. maxima</i> later in its life cycle, subclinical intestinal lesions may be present for a short time after infection. Diclazuril was shown in studies to reduce lesion scores and improve performance and health of birds challenged with <i>E. maxima</i> ..	Feed continuously. Not for use in hens producing eggs for human food..	016592
(ii) 0.91 (1 ppm) ..	Bacitracin methylene disalicylate 4 to 50.	Broiler chickens: As in item (i) of this table; for increased rate of weight gain and improved feed efficiency..	As in item (i) of this table. Bacitracin methylene disalicylate provided by 054771..	016592
(iii) 0.91 (1 ppm)	Bambermycins 1 to 2	Broiler chickens: As in item (i) of this table; for increased rate of weight gain and improved feed efficiency..	As in item (i) of this table. Bambermycins provided by 057926..	016592
(iv) 0.91 (1 ppm)	Virginiamycin 5	Broiler chickens: As in item (i) of this table; for increased rate of weight gain and improved feed efficiency..	As in item (i) of this table; Virginiamycin provided by 066104..	016592
(v) 0.91 (1 ppm)	Virginiamycin 5 to 15	Broiler chickens: As in item (i) of this table; for increased rate of weight gain..	As in item (i) of this table. Virginiamycin provided by 066104..	016592

(2) *Turkeys.* For turkeys it is used as follows:

Diclazuril grams/ton	Combination grams/ton	Indications for use	Limitations	Sponsor
(i) 0.91 (1 ppm) ..	.....	Growing turkeys: For the prevention of coccidiosis caused by <i>E. adenoeides</i> , <i>E. gallopavonis</i> and <i>E. meleagrimitis</i> ..	Feed continuously as the sole ration. Do not feed to breeding turkeys. Not for use in hens producing eggs for human consumption..	016592
(ii) 0.91 (1 ppm).	Bacitracin methylene disalicylate 4 to 50..	Growing turkeys: As in paragraph (d)(2)(i) of this section; for increased rate of weight gain and improved feed efficiency..	As in paragraph (d)(2)(i) of this section. Bacitracin methylene disalicylate provided by No. 054771 in § 510.600(c) of this chapter..	016592