

Table 1.

ANTHELMINTICS FOR BEEF CATTLE IN FEEDLOT OR OPEN RANGE					
MFR.	BRAND NAME	ACTIVE INGREDIENT	DOSE (SEE LABEL FOR DETAILS)	TARGET PARASITES	PRE-HARVEST INTERVAL (DAYS)
BIMEDA	Bimectin® Injection for Cattle and Swine	ivermectin (1%)	Administer only by subcutaneous injection under the loose skin in front of or behind the shoulder at the recommended dose level of 200 mcg ivermectin per kilogram of body weight of cattle. Do not use in female dairy cattle of breeding age. Do not use in calves to be processed for veal.	gastrointestinal roundworms, lungworms, cattle grubs, sucking lice, mange mites (see label for detailed list)	35 see label
	Bimectin® Pour-On for Cattle	ivermectin (5 mg/mL)	The dose rate is 1 mL for each 22 lb of body weight. The formulation should be applied along the topline in a narrow strip extending from the withers to the tailhead using a recommended applicator gun. Do not use in female dairy cattle of breeding age. Do not use in calves to be processed for veal.	gastrointestinal roundworms, lungworms, cattle grubs, biting and sucking lice, horn flies, mange mites (see label for detailed list)	48 see label
	LevaMed™ Soluble Drench Powder	levamisole hydrochloride (46.8 g/packet)	Administer orally as a standard or concentrated drench solution using recommended applicator. See label for dosage based on body weight. Do not administer to dairy animals of breeding age	stomach worms, intestinal worms, lungworms (see label for a detailed list of worm species and stages)	2 see label
BAYER	Cydectin® Injectable Solution for Beef and Nonlactating Dairy Cattle	moxidectin (10 mg/ml)	Administer by subcutaneous injection under the loose skin in front of or behind the shoulder. The recommended rate is 1 ml for each 110 lb (50 kg) body weight to provide 0.2 mg moxidectin/2.2 lb (0.2 mg/kg) body weight. Not for use in female dairy cattle of breeding age, veal calves, and calves less than 8 weeks of age.	gastrointestinal roundworms, lungworms, cattle grubs, sucking lice, mange mites (see label for detailed list)	21 see label
	Cydectin® Pour-On for Beef and Dairy Cattle	moxidectin (5 mg/mL)	Directly apply to the hair and skin in a narrow strip extending along the top of the back from the withers to the tailhead using a recommended applicator gun. The recommended rate of administration is 1 mL for each 22 lb (10 kg) body weight which provides 0.5 mg moxidectin for each 2.2 lb (0.5 mg/kg) body weight. Not for use in veal calves.	gastrointestinal roundworms, lungworms, cattle grubs, biting and sucking lice, horn flies, mange mites (see label for detailed list)	0 see label

Table 1. (Continued)

ANTHELMINTICS FOR BEEF CATTLE IN FEEDLOT OR OPEN RANGE					
MFR.	BRAND NAME	ACTIVE INGREDIENT	DOSE (SEE LABEL FOR DETAILS)	TARGET PARASITES	PRE-HARVEST INTERVAL (DAYS)
BOEHRINGER INGELHEIM	EPRINEX® Pour-On for Cattle	eprinomectin (5 mg/mL)	The dose rate is 1 mL for each 22 lb of body weight. The formulation should be applied along the topline in a narrow strip extending from the withers to the tailhead using a recommended applicator. Do not use in calves intended for veal.	gastrointestinal roundworms, lungworms, cattle grubs, biting and sucking lice, horn flies, mange mites (see label for detailed list)	0 see label
	IVOMEC® 1% Injection for Cattle and Swine	ivermectin (1%)	IVOMEC® 1% Injection should be given only by subcutaneous injection under the loose skin in front of or behind the shoulder of cattle at the recommended dose level of 200 mcg of ivermectin per kilogram of body weight. Do not use in female dairy cattle of breeding age. Do not use in calves to be processed for veal.	gastrointestinal roundworms, lungworms, cattle grubs, sucking lice, mange mites (see label for detailed list)	35 see label
	IVOMEC® Plus Injection for Cattle	ivermectin (1% w/v) + clorsulon (10% w/v)	IVOMEC® Plus should be given only by subcutaneous injection at a dose volume of 1 mL per 110 lb (50 kg) body weight. This volume will deliver 10 mg ivermectin and 100 mg clorsulon. Inject the solution subcutaneously (under the skin) behind the shoulder. Do not use in female dairy cattle of breeding age. Do not use in calves to be processed for veal.	gastrointestinal roundworms, adult liver flukes, lungworms, cattle grubs, sucking lice, mange mites (see label for detailed list)	21 see label
	IVOMEC® Pour-On for Cattle	ivermectin (5 mg/mL)	The dose rate is 1 mL for each 22 lb of body weight. The formulation should be applied along the topline in a narrow strip extending from the withers to the tailhead using a recommended applicator. Do not use in female dairy cattle of breeding age. Do not use in calves to be processed for veal.	gastrointestinal roundworms, lungworms, cattle grubs, biting and sucking lice, horn flies, mange mites (see label for detailed list)	48 see label
	Synanthic® Bovine Dewormer Suspension, 9.06%	oxfendazole (9.06%; 90.6 mg/mL)	Administer orally by accurate dose syringe at the rate of 2.5 mL per 110 lb of body weight. Do not use in female dairy cattle of breeding age.	stomach worms, intestinal worms, lungworms (see label for a detailed list of worm species and stages)	7 see label
	Synanthic® Bovine Dewormer Suspension, 22.5%	oxfendazole (22.5%; 225 mg/mL)	Administer orally by accurate dose syringe at the rate of 1 mL per 110 lb of body weight. Do not use in female dairy cattle of breeding age.	stomach worms, intestinal worms, lungworms (see label for a detailed list of worm species and stages)	7 see label
	HUVEPHARMA	Agri-Mectin® Injection for Cattle and Swine	ivermectin (1%)	Administer only by subcutaneous injection under the loose skin in front of or behind the shoulder at the recommended dose level of 200 mcg ivermectin per kilogram of body weight of cattle. Do not use in female dairy cattle of breeding age. Do not use in calves to be processed for veal.	gastrointestinal roundworms, lungworms, cattle grubs, sucking lice, mange mites (see label for detailed list)
Agri-Mectin® Pour-On for Cattle		ivermectin (5 mg/mL)	The dose rate is 1 mL for each 22 lb of body weight. The formulation should be applied along the topline in a narrow strip extending from the withers to the tailhead using a recommended applicator gun. Do not use in female dairy cattle of breeding age. Do not use in calves to be processed for veal.	gastrointestinal roundworms, lungworms, cattle grubs, biting and sucking lice, horn flies, mange mites (see label for detailed list)	48 see label
Prohibit® Soluble Drench Powder (Packet)		levamisole hydrochloride (46.8 g/packet)	Administer orally as a standard or concentrated drench solution using recommended applicator. See label for dosage based on body weight. Do not administer to dairy animals of breeding age.	stomach worms, intestinal worms, lungworms (see label for a detailed list of worm species and stages)	2 see label

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Table 1. (Continued)

ANTHELMINTICS FOR BEEF CATTLE IN FEEDLOT OR OPEN RANGE

MFR.	BRAND NAME	ACTIVE INGREDIENT	DOSE (SEE LABEL FOR DETAILS)	TARGET PARASITES	PRE-HARVEST INTERVAL (DAYS)
MERC ANIMAL HEALTH	Safe-Guard® 20% Salt: Free-Choice Mineral (Beef and Dairy Cattle)	fenbendazole (0.5%; 2.27 g/lb)	To be fed to cattle for 3 to 6 days. Amount is based on 0.10 lb (1.6 oz) total consumption per 100 lb body weight to deliver a dosage of 2.27 mg fenbendazole per pound body weight.	stomach worms, intestinal worms, lungworms (see label for a detailed list of worm species and stages)	13
	Safe-Guard® Beef & Dairy Cattle Dewormer Paste 10%	fenbendazole (10%; 100 mg/g)	Administer orally; 5 grams of paste per 220 pounds body weight. Use only dispensing gun developed for this product.	stomach worms, intestinal worms, lungworms (see label for a detailed list of worm species and stages)	8
	Safe-Guard® Dewormer for Beef & Dairy Cattle and Goats Suspension 10%	fenbendazole (100 mg/mL)	Administer orally; 2.3 milliliters of suspension per 100 pounds body weight. Use drench gun developed for this product. Do not use in calves to be processed for veal.	stomach worms, intestinal worms, lungworms (see label for a detailed list of worm species and stages)	8 see label
	Safe-Guard® Medicated Dewormer for Beef & Dairy Cattle 0.5% Alfalfa-Based Pellets	fenbendazole (0.5%; 2.27 g/lb)	Five (5) mg fenbendazole per kg body weight in a one (1) day treatment (2.27 mg fenbendazole per pound of body weight).	stomach worms, intestinal worms, lungworms (see label for a detailed list of worm species and stages)	13
	Safe-Guard® Medicated Dewormer for Beef & Dairy Cattle, & Swine (0.5% Top Dress Pellets 10 Lbs)	fenbendazole (0.5%; 2.27 g/lb)	Five (5) mg fenbendazole per kg body weight in a one (1) day treatment (2.27 mg fenbendazole per pound of body weight).	stomach worms, intestinal worms, lungworms (see label for a detailed list of worm species and stages)	13
	Safe-Guard® Medicated Dewormer for Beef Cattle (En-pro-al® Molasses Block)	fenbendazole (750 mg/lb)	1.67 mg fenbendazole per kg body weight per day for three (3) days. Total dose for the three (3) day period of 5 mg fenbendazole per kg of body weight (2.27 mg fenbendazole per pound).	stomach worms, intestinal worms, lungworms (see label for a detailed list of worm species and stages)	11
MWI ANIMAL HEALTH	Safe-Guard® 1.96% Meal (Fenbendazole)	fenbendazole (1.96%; 8.89 g/lb)	See label for details on how to mix with feed. Five (5) mg fenbendazole per kg body weight in a one (1) day treatment (2.27 mg fenbendazole per pound of body weight).	stomach worms, intestinal worms, lungworms (see label for a detailed list of worm species and stages)	13 see label
	Safe-Guard® 1.96% Pellets (Fenbendazole)	fenbendazole (1.96%; 8.89 g/lb)	See label for details on how to mix with feed. Five (5) mg fenbendazole per kg body weight in a one (1) day treatment (2.27 mg fenbendazole per pound of body weight).	stomach worms, intestinal worms, lungworms (see label for a detailed list of worm species and stages)	13 see label

Table 1. (Continued)

ANTHELMINTICS FOR BEEF CATTLE IN FEEDLOT OR OPEN RANGE

MFR.	BRAND NAME	ACTIVE INGREDIENT	DOSE (SEE LABEL FOR DETAILS)	TARGET PARASITES	PRE-HARVEST INTERVAL (DAYS)
NORBROOK	Eprizero® Pour-On for Beef and Dairy Cattle	eprinomectin (5 mg/mL)	The dose rate is 1 mL for each 22 lb of body weight. The formulation should be applied along the topline in a narrow strip extending from the withers to the tailhead using a recommended applicator. Do not use in calves intended for veal.	gastrointestinal roundworms, lungworms, cattle grubs, biting and sucking lice, horn flies, mange mites (see label for detailed list)	0 see label
	Noromectin® Injection for Cattle and Swine	ivermectin (1%)	Administer only by subcutaneous injection under the loose skin in front of or behind the shoulder at the recommended dose level of 200 mcg ivermectin per kg of body weight. Do not use in female dairy cattle of breeding age. Do not use in calves to be processed for veal.	gastrointestinal roundworms, lungworms, cattle grubs, sucking lice, mange mites (see label for detailed list)	35 see label
	Noromectin® Plus Injection for Cattle	ivermectin (1% w/v) + clorsulon (10% w/v)	Noromectin Plus should be given only by subcutaneous injection at a dose volume of 1 mL per 110 lb (50 kg) body weight. This volume will deliver 10 mg ivermectin and 100 mg clorsulon. Inject the solution subcutaneously behind the shoulder. Do not use in female dairy cattle of breeding age. Do not use in calves to be processed for veal.	Gastrointestinal roundworms, adult liver flukes, lungworms, cattle grubs, sucking lice, mange mites (see label for detailed list)	21 see label
	Noromectin® Pour-On for Cattle	ivermectin (5 mg/mL)	The dose rate is 1 mL for each 22 lb of body weight. The formulation should be applied along the topline in a narrow strip extending from the withers to the tailhead using a recommended applicator. Do not use in female dairy cattle of breeding age. Do not use in calves to be processed for veal.	gastrointestinal roundworms, lungworms, cattle grubs, biting and sucking lice, horn flies, mange mites (see label for detailed list)	48 see label
VETONE	Vetrimec™ 1% Injection for Cattle and Swine	ivermectin (1%)	Administer only by subcutaneous injection under the loose skin in front of or behind the shoulder at the recommended dose level of 200 mcg ivermectin per kilogram of body weight. Do not use in female dairy cattle of breeding age. Do not use in calves to be processed for veal.	gastrointestinal roundworms, lungworms, cattle grubs, sucking lice, mange mites (see label for detailed list)	35 see label
	Vetrimec® Plus w/ Clorsulon Injection for Cattle	ivermectin (1% w/v) + clorsulon (10% w/v)	Vetrimec Plus should be given only by subcutaneous injection at a dose volume of 1 mL per 110 lb (50 kg) body weight. This volume will deliver 10 mg ivermectin and 100 mg clorsulon. Inject the solution subcutaneously (under the skin) behind the shoulder. Do not use in female dairy cattle of breeding age. Do not use in calves to be processed for veal.	Gastrointestinal roundworms, adult liver flukes, lungworms, cattle grubs, sucking lice, mange mites (see label for detailed list)	21 see label
	Vetrimec™ Pour-On for Cattle	ivermectin (5 mg/mL)	The dose rate is 1 mL for each 22 lb of body weight. The formulation should be applied along the topline in a narrow strip extending from the withers to the tailhead using a recommended applicator. Do not use in female dairy cattle of breeding age. Do not use in calves to be processed for veal.	gastrointestinal roundworms, lungworms, cattle grubs, biting and sucking lice, horn flies, mange mites (see label for detailed list)	48 see label

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Table 1. (Continued)

ANTHELMINTICS FOR BEEF CATTLE IN FEEDLOT OR OPEN RANGE					
MFR.	BRAND NAME	ACTIVE INGREDIENT	DOSE (SEE LABEL FOR DETAILS)	TARGET PARASITES	PRE-HARVEST INTERVAL (DAYS)
ZOETIS	Dectomax® Injectable Solution	doramectin (1%; 10 mg/mL)	Administer Dectomax® injectable solution by the subcutaneous (SC) or intramuscular (IM) route. SC injections should be administered under the loose skin in front of or behind the shoulder. IM injections should be administered into the muscular region of the neck. Recommended dosage is 200 mcg doramectin per kg (91 mcg/lb) of body weight. Not for use in female dairy cattle 20 months of age or older. Do not use in calves to be processed for veal.	gastrointestinal roundworms, lungworms, eye worms, cattle grubs, sucking lice, mange mites (see label for detailed list)	35 see label
	Dectomax® Pour-On	doramectin (0.5%; 5 mg/mL)	Administer Dectomax® Pour-On solution to cattle topically at a dosage of 500 mcg doramectin per kg (227 mcg/lb) of body weight. Apply topically along the mid-line of the back in a narrow strip between the withers and tailhead using a recommended applicator. Not for use in female dairy cattle 20 months of age or older. Do not use in calves to be processed for veal.	gastrointestinal roundworms, lungworms, eye worms, cattle grubs, biting and sucking lice, horn flies, mange mites (see label for detailed list)	45 see label
	Valbazen Suspension	albendazole (11.36%; 113.6 mg/mL)	Administer orally to cattle at the recommended rate of 4 mL/100 lb of body weight. Do not use in female dairy cattle of breeding age.	stomach worms, intestinal worms, lungworms, liver flukes (see label for a detailed list of worm species and stages)	27 see label

Prior to using any product mentioned in this article, carefully read and follow all available instructions, warnings and safety information made available by the product's manufacturer.

Table 2.

ANTHELMINTICS FOR BEEF CATTLE IN OPEN RANGE ONLY					
MFR.	BRAND NAME	ACTIVE INGREDIENT	DOSE (SEE LABEL FOR DETAILS)	TARGET PARASITES	PRE-HARVEST INTERVAL (DAYS)
BOEHRINGER INGELHEIM	LongRange™ Extended-Release Injectable Parasiticide	eprinomectin (5%)	LongRange™ (eprinomectin) should be given only by subcutaneous injection in front of the shoulder at the recommended dosage level of 1 mg eprinomectin per kg body weight (1 mL per 110 lb body weight). Each mL of Longrange contains 50 mg of eprinomectin, sufficient to treat 110 lb (50 kg) body weight. Divide doses greater than 10 mL between two injection sites to reduce occasional discomfort or site reaction. Not for use in female dairy cattle 20 months of age or older, including dry dairy cows. Not for use in calves to be processed for veal. Not for use in breeding bulls, or in calves less than 3 months of age. Not for use in cattle managed in feedlots or under intensive rotational grazing. CAUTION: Federal law restricts this drug to use by or on the order of a licensed veterinarian.	gastrointestinal roundworms, lungworms, cattle grubs, mites (see label for detailed list)	48

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Table 3.

ANTHELMINTICS FOR DAIRY CATTLE						
MFR.	BRAND NAME	ACTIVE INGREDIENT	DOSE (SEE LABEL FOR DETAILS)	TARGET PARASITES	WITHDRAWAL (DAYS)	
					MILK	MEAT
BAYER	Cydectin® Pour-On for Beef and Dairy Cattle	moxidectin (5 mg/mL)	Directly apply to the hair and skin in a narrow strip extending along the top of the back from the withers to the tailhead using a recommended applicator gun. The recommended rate of administration is 1 mL for each 22 lb (10 kg) body weight which provides 0.5 mg moxidectin for each 2.2 lb (0.5 mg/kg) body weight. Not for use in veal calves.	gastrointestinal roundworms, lungworms, cattle grubs, biting and sucking lice, horn flies, mange mites (see label for detailed list)	0	0 see label
BOEHRINGER INGELHEIM	EPRINEX® Pour-On for Cattle	eprinomectin (5 mg/mL)	The dose rate is 1 mL for each 22 lb of body weight. The formulation should be applied along the topline in a narrow strip extending from the withers to the tailhead using a recommended applicator. Do not use in calves intended for veal.	gastrointestinal roundworms, lungworms, cattle grubs, biting and sucking lice, horn flies, mange mites (see label for detailed list)	0	0 see label
MERCK ANIMAL HEALTH	Safe-Guard® 20% Salt: Free-Choice Mineral (Beef and Dairy Cattle)	fenbendazole (0.5%; 2.27 g/lb)	To be fed to cattle for 3 to 6 days. Amount is based on 0.10 lb (1.6 oz) total consumption per 100 lb body weight to deliver a dosage of 2.27 mg fenbendazole per pound body weight.	stomach worms, intestinal worms, lungworms (see label for a detailed list of worm species and stages)	0	13 see label
	Safe-Guard® Beef & Dairy Cattle Dewormer Paste 10%	fenbendazole (10%; 100 mg/g)	Administer orally; 5 grams of paste per 220 pounds body weight. Use only dispensing gun developed for this product.	stomach worms, intestinal worms, lungworms (see label for a detailed list of worm species and stages)	0	8 see label
	Safe-Guard® Dewormer for Beef & Dairy Cattle and Goats Suspension 10%	fenbendazole (100 mg/mL)	Administer orally; 2.3 milliliters of suspension per 100 pounds body weight. Use drench gun developed for this product. Do not use in calves to be processed for veal.	stomach worms, intestinal worms, lungworms (see label for a detailed list of worm species and stages)	0	8 see label
	Safe-Guard® Medicated Dewormer for Beef & Dairy Cattle 0.5% Alfalfa-Based Pellets	fenbendazole (0.5%; 2.27 g/lb)	Five (5) mg fenbendazole per kg body weight in a one (1) day treatment (2.27 mg fenbendazole per pound of body weight).	stomach worms, intestinal worms, lungworms (see label for a detailed list of worm species and stages)	0	13 see label
	Safe-Guard® Medicated Dewormer for Beef & Dairy Cattle, & Swine (0.5% Top Dress Pellets 10 Lbs)	fenbendazole (0.5%; 2.27 g/lb)	Five (5) mg fenbendazole per kg body weight in a one (1) day treatment (2.27 mg fenbendazole per pound of body weight).	stomach worms, intestinal worms, lungworms (see label for a detailed list of worm species and stages)	0	13 see label

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Table 3. (Continued)

ANTHELMINTICS FOR DAIRY CATTLE						
MFR.	BRAND NAME	ACTIVE INGREDIENT	DOSE (SEE LABEL FOR DETAILS)	TARGET PARASITES	WITHDRAWAL (DAYS)	
					MILK	MEAT
MWI ANIMAL HEALTH	Safe-Guard® 1.96% Meal (Fenbendazole)	fenbendazole (1.96%; 8.89 g/lb)	See label for details on how to mix with feed. Five (5) mg fenbendazole per kg body weight in a one (1) day treatment (2.27 mg fenbendazole per pound of body weight).	stomach worms, intestinal worms, lungworms (see label for a detailed list of worm species and stages)	0	13 see label
	Safe-Guard® 1.96% Pellets (Fenbendazole)	fenbendazole (1.96%; 8.89 g/lb)	See label for details on how to mix with feed. Five (5) mg fenbendazole per kg body weight in a one (1) day treatment (2.27 mg fenbendazole per pound of body weight).	stomach worms, intestinal worms, lungworms (see label for a detailed list of worm species and stages)	0	13 see label
NORBROOK	Eprizero® Pour-On for Beef and Dairy Cattle	eprinomectin (5 mg/mL)	The dose rate is 1 mL for each 22 lb of body weight. The formulation should be applied along the topline in a narrow strip extending from the withers to the tailhead using a recommended applicator. Do not use in calves intended for veal.	gastrointestinal roundworms, lungworms, cattle grubs, biting and sucking lice, horn flies, mange mites (see label for detailed list)	0	0 see label

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