



MORE

Merck Animal Health Official Retail Expert










RETAIL PRODUCT GUIDE

Get **MORE** from
Merck Animal Health

PET | EQUINE | LIVESTOCK

For over 25 years, Merck Animal Health has been providing the brands you trust for predictable, safe, and effective vaccinations, parasite elimination, pest control and more.

LEGEND

Dog		Sheep	
Cat		Goat	
Equine		Swine	
Cattle			





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For dogs who are happiest when they're outside, there's SAFE-GUARD® (fenbendazole) —a proven effective way to keep them protected on the inside. SAFE-GUARD treats the four major intestinal worm types common to the outdoor dog.



SAFE-GUARD® (fenbendazole) Canine Dewormer treats six species of the four major intestinal worm types common to the outdoor dog with only one compound, fenbendazole. Dog owners can treat more with less, minimizing their dog's chemical exposure.

SAFE-GUARD is safe for puppies six weeks of age or older and pregnant females as well as adult dogs of all breeds. So it's never too early or too late to start.

www.SAFE-GUARD-for-dogs.com



SAFE-GUARD® Canine Dewormer 1 gram

Fenbendazole 22.2% canine dewormer.

1 gm
Single box UIN: 034906
Display Box (8 boxes) UPC: 021784470124
UPC: 021784349062

SAFE-GUARD® Canine Dewormer 2 gram

Fenbendazole 22.2% canine dewormer.

2 gm UIN: 033576
Single Box UPC: 021784470223
Display Box (8 boxes) UPC: 021784423052

SAFE-GUARD® Canine Dewormer 4 gram

Fenbendazole 22.2% canine dewormer.

4 gm UIN: 040694
Single Box UPC: 021784470421
Display Box (8 boxes) UPC: 021784421652

For the treatment and control of Roundworms (*Toxocara canis*, *Toxascaris leonina*), Hookworms (*Ancylostoma caninum*, *Uncinaria stenocephala*), Tapeworms (*Taenia pisiformis*), and Whipworms (*Trichuris vulpis*)

CANINE DEWORMER COMPARISON CHART

BRAND ▶	safe-guard® (fenbendazole)	Quad Dewormer Chewable Tablets for Dogs	Triple Wormer D-Worm Triple Wormer® WormX Plus®	D-Worm™ Tablets Nemex®-2 WormX®	D-Worm™	Tapeworm Dewormer
COMPOUND ▶	FENBENDAZOLE	Praziquantel / Pyrantel Pamoate / Febantel	Pyrantel Pamoate / Praziquantel	Pyrantel Pamoate	Piperazine	Praziquantel
PARASITE	ROUNDWORM	✓	✓	✓	✓	
	HOOKWORM	✓	✓	✓		
	TAENIA TAPEWORM	✓	✓	✓		✓
	WHIPWORM	✓	✓			

All trademarks are property of their respective owners.

IMPORTANT SAFETY INFORMATION: Consult your veterinarian for assistance in the diagnosis, treatment and control of parasitism.

Approximately 1% of dogs had vomiting associated with the use of this product. SAFE-GUARD® Canine Dewormer has no known drug interactions and is an ideal complement to monthly heartworm prevention products, which may not protect against all four major types of intestinal worms. For more information, visit SAFE-GUARD-for-dogs.com

Fleas are the most common external parasite found on pets¹ and can cause itching, hair loss or flea allergy dermatitis. That's why ACTIVYL[®] flea killing power is so important for dogs and cats.

activyl[®]



ACTIVYL® is available in two forms—a once a month topical treatment for dogs and cats (indoxacarb) and a protector band for dogs (deltamethrin). Both options are water-resistant, and the collar option is adjustable to fit dogs of all sizes.

us.activyl.com



ACTIVYL® for Dogs

The once-a-month topical flea treatment for dogs and puppies over 4 lbs and 8 weeks of age and older.

Toy Dogs & Puppies
 Single box (3 dose) UIN: 158689
 Display Carton (6 boxes) or (6 x 3 dose) UPC: 8713184153104

Toy Dogs & Puppies
 Single box (6 dose) UIN: 104482
 Display Carton (6 boxes) or (6 x 6 dose) UPC: 8713184108067

Small Dogs & Puppies
 Single box (3 dose) UIN: 155911
 Display Carton (6 boxes) or (6 x 3 dose) UPC: 8713184153029

Small Dogs & Puppies
 Single box (6 dose) UIN: 112173
 Display Carton (6 boxes) or (6 x 6 dose) UPC: 8713184108111

Medium Dogs & Puppies
 Single box (3 dose) UIN: 152814
 Display Carton (6 boxes) or (6 x 3 dose) UPC: 8713184153043

Medium Dogs & Puppies
 Single box (6 dose) UIN: 107502
 Display Carton (6 boxes) or (6 x 6 dose) UPC: 8713184108135

Large Dogs & Puppies
 Single box (3 dose) UIN: 154523
 Display Carton (6 boxes) or (6 x 3 dose) UPC: 8713184153067

Large Dogs & Puppies
 Single box (6 dose) UIN: 116338
 Display Carton (6 boxes) or (6 x 6 dose) UPC: 8713184108159

XLarge Dogs & Puppies
 Single box (3 dose) UIN: 156102
 Display Carton (6 boxes) or (6 x 3 dose) UPC: 8713184153081

XLarge Dogs & Puppies
 Single box (6 dose) UIN: 115627
 Display Carton (6 boxes) or (6 x 6 dose) UPC: 8713184108173



ACTIVYL® for Cats

Once-a-month topical flea treatment for cats and kittens 8 weeks of age or older and 2 lbs.

Cats & Kittens (2-9lbs)
 Single box (3 dose) UIN: 153616
 Display Carton (6 boxes) or (6 x 3 dose) UPC: 8713184153128

Cats & Kittens (2-9lbs)
 Single box (6 dose) UIN: 044973
 Display Carton (6 boxes) or (6 x 6 dose) UPC: 8713184108197

Cats (>9lbs)
 Single box (3 dose) UIN: 152858
 Display Carton (6 boxes) or (6 x 3 dose) UPC: 8713184153142

Cats (>9lbs)
 Single box (6 dose) UIN: 118926
 Display Carton (6 boxes) or (6 x 6 dose) UPC: 8713184108210



ACTIVYL® Protector Band for Dogs

Provides up to 6 months' protection against fleas and ticks.

One size fits all UIN: 188779
 1 Collar UPC: 8713184157881
 Display Carton (6 collars) UPC: 8713184157898

¹<https://capcvet.org/guidelines/fleas/>. Accessed 2/2021

Merck Animal Health offers innovative products to treat and prevent disease. Anchored by brands that veterinarians and owners have trusted for decades, our product portfolio is one of the most extensive in the industry, delivering millions of doses of preventive and therapeutic care to improve the health of the horse.



Deworming your horse is easier when you can choose the delivery method that works best for you and your horse. Fenbendazole is the only horse dewormer that comes in so many forms and sizes, yet is effective against the most common intestinal parasites of the horse. To learn more visit www.merck-animal-health-equine.com



PANACUR® (fenbendazole) Paste

PANACUR (fenbendazole) Paste 10% is indicated for the control of large strongyles (*Strongylus edentatus*, *S. equinus*, *S. vulgaris*), encysted early third stage (hypobiotic), late third stage and fourth stage cyathostome larvae, small strongyles, pinworms (*Oxyuris equi*), ascarids (*Parascaris equorum*), and arteritis caused by fourth stage larvae of *Strongylus vulgaris* in horses.

25 gm syringe
12x25 gm syringe

UIN: 069273
UPC: 021784471121
UPC: 021784047111



PANACUR® (fenbendazole) POWERPAC

PANACUR (fenbendazole) Paste 10% is indicated for the control of large strongyles (*Strongylus edentatus*, *S. equinus*, *S. vulgaris*), encysted early third stage (hypobiotic), late third stage and fourth stage cyathostome larvae, small strongyles, pinworms (*Oxyuris equi*), ascarids (*Parascaris equorum*), and arteritis caused by fourth stage larvae of *Strongylus vulgaris* in horses.

PANACUR (fenbendazole) Paste 10% Equine Dewormer is supplied in 57 gram, 5 per carton, syringes.

5x57 gm syringe

UIN: 114001
UPC: 021784471572



SAFE-GUARD® (fenbendazole) Paste

SAFE-GUARD (fenbendazole) Paste 10% is indicated for the control of large strongyles (*Strongylus edentatus*, *S. equinus*, *S. vulgaris*), encysted early third stage (hypobiotic), late third stage and fourth stage cyathostome larvae, small strongyles, pinworms (*Oxyuris equi*), ascarids (*Parascaris equorum*), and arteritis caused by fourth stage larvae of *Strongylus vulgaris* in horses.

25 gm syringe
12 x 25 gm syringe
36 x 25 gm syringe
92 gm syringe

UPC: 021784471251
UIN: 064832
UPC: 021784047128
UIN: 003468
UPC: 021784471367
UIN: 066958
UPC: 021784471923



SAFE-GUARD® (fenbendazole) EQUI-BITS®

SAFE-GUARD (fenbendazole) EQUI-BITS is indicated for the control of large strongyles (*Strongylus edentatus*, *S. equinus*, *S. vulgaris*, *Triodontophorus spp.*), small strongyles (*Cyathostomum spp.*, *Cylicocycylus spp.*, *Cylicostephanus spp.*), pinworms (*Oxyuris equi*), and ascarids (*Parascaris equorum*).

1.25 lb bag

UIN: 004681
UPC: 021784046817

IMPORTANT SAFETY INFORMATION: Consult your local veterinarian for assistance in the diagnosis, treatment and control of parasitism. Do not use in horses intended for human consumption. When using PANACUR® (fenbendazole) Paste 10%, SAFE-GUARD® (fenbendazole) Paste 10%, or SAFE-GUARD® (fenbendazole) EQUI-BITS® concomitantly with trichlorfon, refer to the manufacturer's labels for use and cautions for trichlorfon.

The PRESTIGE® line of equine vaccines delivers industry-leading technology and now includes inactivated influenza-containing vaccines with the most current influenza strains available.

No other company provides a broader range of influenza protection than Merck Animal Health.

PRESTIGE®



Delivering protection that matters to you and your customers.

Only **PRESTIGE®** vaccines feature Florida '13—a current, highly pathogenic strain isolated through Merck Animal Health's Respiratory Biosurveillance Program.

Florida '13 is the most current Clade 1 strain available in a U.S. commercial inactivated vaccine.²



UPDATED INFLUENZA STRAINS INCLUDE:

✓ Florida '13 Clade 1:

Based on a highly pathogenic isolate from the 2013 Ocala, Florida influenza outbreak that impacted hundreds of horses. **Florida '13 was exclusively identified and isolated through the Merck Animal Health Biosurveillance Program.**



✓ Richmond '07 Clade 2:

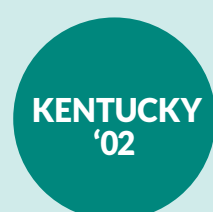
Meets World Organisation for Animal Health (OIE) and American Association of Equine Practitioners (AAEP) guidelines for Clade 2 influenza protection.



IN ADDITION TO:

✓ Kentucky '02:

Influenza strain maintained from previous vaccine line.



A vaccine can never be too safe

PRESTIGE® vaccines feature our proprietary Antigen Purification System™ (APS) and the exclusive HAVLOGEN® Adjuvant

The result is a line of killed virus vaccines that are highly efficacious with an exceptional safety profile—shown to be **98% reaction-free in field safety trials.**³

“This is the Science of Healthier Animals working for you—identifying threats and delivering advanced vaccine solutions to improve the lives of horses.”

²Comparison of U.S. commercial inactivated influenza vaccine strains, per respective manufacturer's labels. October 2019.

³Data on file. Merck Animal Health.

Demand the PRESTIGE® Vaccine Line for its Core to Risk-Based^{1,2} Spectrum of Protection.



UPDATED
FLU
STRAINS

PRESTIGE® 5 + WNV ENCEPHALOMYELITIS - RHINOPNEUMONITIS - INFLUENZA - WEST NILE VIRUS VACCINE

EASTERN & WESTERN, KILLED VIRUS,
KILLED FLAVIVIRUS CHIMERA
TETANUS TOXOID

This product has been shown effective for the vaccination of healthy horses 6 months of age or older against Eastern & Western encephalomyelitis (EEE and WEE) viruses, equine influenza virus (EIV), equine herpesvirus type 1 (EHV-1), equine herpesvirus type 4 (EHV-4), tetanus and West Nile Virus. Duration of immunity has been shown at 6 months for EIV. Duration of immunity for Eastern & Western encephalomyelitis viruses, EHV-1, EHV-4 and West Nile Virus has not been established. For more information regarding safety and efficacy data, go to productdata.aphis.usda.gov. This product has been shown to be effective against virus shedding of EIV, EHV-1 and EHV-4, and encephalitis and viremia caused by West Nile Virus.

1 mL Syringe
10 x 1 mL Syringe

UIN: 192936
UPC: 662858966657
UPC: 662858966633

1 x 10 mL Bottle

UIN: 182299
UPC: 662858966626



UPDATED
FLU
STRAINS

PRESTIGE® 5 ENCEPHALOMYELITIS - RHINOPNEUMONITIS - INFLUENZA VACCINE

EASTERN & WESTERN, KILLED VIRUS
TETANUS TOXOID

This product has been shown to be effective for the vaccination of healthy horses six months of age or older against Eastern & Western encephalomyelitis viruses, EIV, EHV-1, EHV-4 and tetanus. Duration of immunity has been shown at six months for EIV. Duration of immunity for Eastern & Western Encephalomyelitis Viruses, EHV-1, EHV-4 and tetanus has not been established. For more information regarding safety and efficacy data, go to productdata.aphis.usda.gov. This product has been shown to be effective against virus shedding of EIV and EHV-1.

1 mL Syringe
10 x 1 mL Syringe
1 x 10 mL Bottle

UIN: 180363
UPC: 662858099935
UPC: 662858099928

UIN: 180791
UPC: 662858099911



UPDATED
FLU
STRAINS

PRESTIGE® 4 ENCEPHALOMYELITIS - INFLUENZA VACCINE

EASTERN & WESTERN, KILLED VIRUS
TETANUS TOXOID

This product has been shown to be effective for the vaccination of healthy horses six months of age or older against Eastern & Western encephalomyelitis viruses, EIV and tetanus. Duration of immunity has been shown at six months for EIV. Duration of immunity has not been established for Eastern & Western Encephalomyelitis and Tetanus. For more information regarding safety and efficacy data, go to productdata.aphis.usda.gov. This product has been shown to be effective against virus shedding of EIV.

1 mL Syringe
10 x 1 mL Syringe
1 x 10 mL Bottle

UIN: 183130
UPC: 662858903287
UPC: 662858903270

UIN: 188726
UPC: 662858903263



PRESTIGE® 3 + WNV ENCEPHALOMYELITIS - WEST NILE VIRUS VACCINE

EASTERN & WESTERN, KILLED VIRUS, KILLED FLAVIVIRUS CHIMERA
TETANUS TOXOID

This product has been shown to be effective for the vaccination of healthy horses six months of age or older against Eastern & Western encephalomyelitis viruses, tetanus and West Nile Virus. Duration of immunity has not been established. For more information regarding safety and efficacy data, go to productdata.aphis.usda.gov. This product has been shown to be effective against encephalitis and viremia caused by West Nile Virus.

1 mL Syringe
10 x 1 mL Syringe

UIN: 197924
UPC: 662858966831
UPC: 662858966848

1 x 10 mL Bottle

UIN: 178734
UPC: 662858966824



PRESTIGE® 3 ENCEPHALOMYELITIS VACCINE

EASTERN AND WESTERN, KILLED VIRUS
TETANUS TOXOID

This product has been shown to be effective for the vaccination of healthy horses six months of age or older against Eastern & Western encephalomyelitis viruses and tetanus. Duration of immunity has not been established. For more information regarding safety and efficacy data, go to productdata.aphis.usda.gov.

1 mL Syringe
10 x 1 mL Syringe
1 x 10 mL Bottle

UIN: 188847
UPC: 662858066821
UPC: 662858066838

UIN: 189679
UPC: 662858066814



UPDATED
FLU
STRAINS

PRESTIGE® 2 EQUINE RHINOPNEUMONITIS - INFLUENZA VACCINE

KILLED VIRUS

This product has been shown to be effective for the vaccination of healthy horses six months of age or older against EIV, EHV-1 and EHV-4. Duration of immunity has been shown at six months for EIV. Duration of immunity for EHV-1 and EHV-4 has not been established. For more information regarding safety and efficacy data, go to productdata.aphis.usda.gov. This product has been shown to be effective against virus shedding of EIV and EHV-1.

1 mL Syringe
10 x 1 mL Syringe
1 x 10 mL Bottle

UIN: 196595
UPC: 662858099881
UPC: 662858099874

UIN: 192092
UPC: 662858099867

For years, horse owners have trusted our safe and effective line of equine vaccines as part of their veterinarians' recommended total healthcare program for their horses. Our products earn high marks for consistent quality, effectiveness and reliability.



PRESTIGE® WNV

WEST NILE VIRUS VACCINE

KILLED FLAVIVIRUS CHIMERA

This product has been shown to be effective for the vaccination of healthy horses six months of age or older against West Nile Virus. Duration of immunity has not been established. For more information regarding safety and efficacy data, go to productdata.aphis.usda.gov. This product has been shown to be effective against encephalitis and viremia caused by West Nile Virus.

1 mL Syringe
10 x 1 mL Syringe

UIN: 182544
UPC: 662858968675
UPC: 662858968682

1 x 10 mL Bottle

UIN: 111721
UPC: 662858968620

PRESTIGE® TETANUS

TETANUS TOXOID

This product has been shown to be effective for the vaccination of healthy horses, cattle, swine and sheep six months of age or older against tetanus.

1 mL Syringe
10 x 1 mL Syringe

UIN: 187765
UPC: 662858069617
UPC: 662858069624

PRESTIGE® PRODIGY®

EQUINE RHINOPNEUMONITIS VACCINE

KILLED VIRUS

This product has been shown to be effective for the vaccination of healthy horses six months of age or older against abortion and respiratory disease caused by EHV-1. Duration of immunity has not been established. For more information regarding safety and efficacy data, go to productdata.aphis.usda.gov.

2 mL Syringe
10 x 2 mL Syringe

UIN: 191012
UPC: 662858066524
UPC: 662858066531

1 x 20 mL Bottle

UIN: 194520
UPC: 662858066517

Merck Vaccines	EEE/WEE	Tetanus	WNV	Influenza	EHV-1/EHV-4 (respiratory)	EHV-1/Abortion
PRESTIGE® 5 + WNV	●	●	●	●	●	
PRESTIGE® 5	●	●		●	●	
PRESTIGE® 4	●	●		●		
PRESTIGE® 3 + WNV	●	●	●			
PRESTIGE® 3	●	●				
PRESTIGE® 2				●	●	
PRESTIGE® WNV			●			
PRESTIGE® PRODIGY®						●
PRESTIGE® TETANUS		●				

Equine Vaccination Plan

RISK LEVEL	DISEASES OF CONCERN	MERCK ANIMAL HEALTH PRODUCT OPTIONS
<p>Low Risk</p> <ul style="list-style-type: none"> • Include Core Vaccines.¹ • Vaccinate annually prior to mosquito season.* • Evaluate booster needs based on geographic risks. 	<ul style="list-style-type: none"> • EEE • WEE • Tetanus • West Nile Virus • Rabies* 	<p>PRESTIGE[®] 3 + WNV OR PRESTIGE[®] 3 AND PRESTIGE[®] WNV</p> <p>*Contact your veterinarian</p>
<p>High Risk</p> <ul style="list-style-type: none"> • Include Core Vaccines and Risk-based^{1,2} Vaccines according to need. • Vaccinate annually prior to mosquito season.* • Evaluate booster needs based on geographic and activity/exposure risks. 	<ul style="list-style-type: none"> • EEE • WEE • Tetanus • West Nile Virus • Influenza • Rhino (EHV-1/4) • Rabies* 	<p>PRESTIGE[®] 5 AND PRESTIGE[®] WNV OR PRESTIGE[®] 5 + WNV</p> <p>*Contact your veterinarian</p>
<p>Breeding</p>		
<p>Pre-Breeding</p> <p>Be sure Core & Risk-based^{1,2} vaccines are up to date.</p>	See Disease of Concern for High Risk horses above	See Product Options for High Risk horses above
<p>Pregnant Mare</p> <ul style="list-style-type: none"> • Include a vaccine labeled as effective against abortion at 5, 7 and 9 months of pregnancy. • Include Core & Risk-based^{1,2} vaccines 4–6 weeks prior to foaling to boost maternal antibodies. 	<ul style="list-style-type: none"> • EHV-1 which can cause abortions • See Diseases of Concern for High Risk horses above 	<p>PRESTIGE[®] PRODIGY[®]</p> <p>See Product Options for High Risk horses above</p>
<p>Foal</p> <p>Vaccine needs and timing vary based on factors such as age, risk level and vaccination history of mare.</p>	Core & Risk-based diseases as needed	Consult your veterinarian for a foal vaccination plan

*Contact your veterinarian

¹AAEP vaccine guidelines: <https://aaep.org/guidelines/vaccination-guidelines/core-vaccination-guidelines>

²AAEP vaccine guidelines: <https://aaep.org/guidelines/vaccination-guidelines/risk-based-vaccination-guidelines>

At Merck Animal Health, the science of healthier animals is our way of life. Our passion is boosting customers' potential by improving cattle health and well-being through innovative science-based solutions.

We take our commitment to meeting the distinct needs of our customers very seriously. That commitment is what drives us to deliver advanced research, product innovations and superior service.



Merck Animal Health Vaccines help prevent diseases before they strike. That way, our customers can focus on producing healthy, profitable cattle.

All VISTA® vaccines are labeled for use in pregnant cows and calves nursing pregnant cows provided the cows and heifers in the herd are vaccinated prior to breeding within the previous 12 months with VISTA. VISTA ONCE and VISTA 5 are the only modified-live vaccines with at least one-year duration of immunity (DOI) label with challenge data for respiratory disease caused by IBR and BVD Type 1 and Type 2. VISTA ONCE and ONCE PMH® SQ also have a 16-week DOI for *Pasteurella multocida* and *Mannheimia haemolytica*.



VISTA® ONCE SQ 2 mL DOSE

For vaccination of healthy cattle using one of the only avirulent-live culture protection against *Pasteurella multocida* and *Mannheimia haemolytica*. Provides modified-live virus vaccine for use against Infectious Bovine Rhinotracheitis (IBR), Bovine Viral Diarrhea (BVD) Type 1 and Type 2, Parainfluenza 3 virus and Bovine Respiratory Syncytial Virus (BRSV).

10 dose	UIN: 042978 UPC: 662858905021
50 dose	UIN: 006340 UPC: 662858905052



VISTA® 5 SQ 2 mL DOSE

For use in healthy cattle as a modified-live virus vaccine for use against Infectious Bovine Rhinotracheitis (IBR), Bovine Viral Diarrhea (BVD) Type 1 and Type 2, Parainfluenza 3 virus and Bovine Respiratory Syncytial Virus (BRSV).

10 dose	UIN: 006331 UPC: 662858904529
50 dose	UIN: 006332 UPC: 662858904550



BOVILIS® NASALGEN® 3-PMH 2 mL DOSE IN

For the vaccination of healthy cattle, 1 week of age or older against infectious Bovine Rhinotracheitis (IBR) virus, Bovine Respiratory Syncytial Virus (BRSV), Parainfluenza 3 virus, *Mannheimia haemolytica* and *Pasteurella multocida*.

10 dose	UIN: 178746 UPC: 662858925517
50 dose	UIN: 196971 UPC: 662858925524
25x1 dose	UIN: 196306 UPC: 662858925500



BOVILIS® NASALGEN® 3 2 mL DOSE IN

For the vaccination of healthy cattle, 1 week of age or older against infectious Bovine Rhinotracheitis (IBR) virus, Bovine Respiratory Syncytial Virus (BRSV) and Parainfluenza 3 virus.

10 dose	UIN: 180349 UPC: 662858925715
50 dose	UIN: 185734 UPC: 662858925722
25x1 dose	UIN: 178997 UPC: 662858925708



ONCE® PMH IN 2 mL DOSE IN

Intranasal bacterial pneumonia vaccine, providing dual protection against *Mannheimia haemolytica* and *Pasteurella multocida*. Approved for cattle of all ages, starting as early as one week of age.

10 dose	UIN: 117258 UPC: 662858906516
50 dose	UIN: 109221 UPC: 662858906554
25 x 1 dose	UIN: 156004 UPC: 662858918410



NASALGEN® IP 2 mL DOSE IN

For the vaccination of healthy cattle as an aid in the prevention of disease caused by IBR and PI3 virus.

10 dose	UIN: 149730 UPC: 662858022414
50 dose	UIN: 065387 UPC: 662858224504



ONCE PMH® SQ 2 mL DOSE IN

As an aid in the control of respiratory disease caused by *Pasteurella multocida* and *Mannheimia haemolytica*.

10 dose	UIN: 006337 UPC: 662858905120
50 dose	UIN: 006338 UPC: 662858905151



BOVILIS® VISTA® BVD CFP 2 mL DOSE

For use in healthy cattle, 3 months of age or older against respiratory disease and fetal infection, including persistently infected calves due to bovine diarrhea virus (BVD) Types 1 & 2.

10 dose	UIN: 391443 UPC: 662858911107
50 dose	UIN: 385726 UPC: 662858911114

VISION® takes the stress out of blackleg protection. Developed to minimize the negative impact of vaccination on performance, **VISION** offers a high level of immunity with a low level of injection-site reactions. With **VISION**, your customers will see better cost of gain, better feed conversion and greater weaning weights when compared to conventional clostridial vaccines.* **VISION** is available in a variety of vaccine combinations to fit your customer's needs.



VISION® 7 2 mL DOSE

For use in healthy cattle and sheep as an aid in preventing disease caused by *Clostridium chauvoei* (Blackleg), *Cl. septicum* (Malignant edema), *Cl. novyi* (Black disease), *Cl. sordellii*, *Cl. perfringens* Types C and D (Enterotoxemia).

10 dose	UIN: 069130 UPC: 662858219586
50 dose	UIN: 069131 UPC: 662858229585
250 dose	UIN: 069132 UPC: 662858239584



VISION® 8 2 mL DOSE

For use in healthy cattle and sheep as an aid in preventing disease caused by *Clostridium chauvoei* (Blackleg), *Cl. septicum* (Malignant edema), *Cl. haemolyticum* (Bacillary Hemoglobinuria (Red water)), *Cl. novyi* (Black disease), *Cl. sordellii* and *Cl. perfringens* Types C and D (Enterotoxemia).

10 dose	UIN: 069136 UPC: 662858095920
50 dose	UIN: 069137 UPC: 662858433296



VISION® 7 SOMNUS 2 mL DOSE

For use in healthy cattle as an aid in preventing disease caused by *Clostridium chauvoei* (Blackleg), *Cl. septicum* (Malignant edema), *Cl. novyi* (Black disease), *Cl. sordellii*, *Cl. perfringens* Types C and D (Enterotoxemia), and *Haemophilus somnus*.

10 dose	UIN: 069105 UPC: 662858096026
50 dose	UIN: 069106 UPC: 662858023893
250 dose	UIN: 069107 UPC: 662858023992



VISION® 8 SOMNUS 2 mL DOSE

For use in healthy cattle as an aid in prevention of disease caused by *Clostridium chauvoei*, *Cl. septicum*, *Cl. haemolyticum*, *Cl. novyi*, *Cl. sordellii*, *Cl. perfringens* Type C and D, *Cl. perfringens* and *Haemophilus somnus*.

10 dose	UIN: 069117 UPC: 662858096125
50 dose	UIN: 069118 UPC: 662858040197

* Take the Stress out of Blackleg Protection (Cost of Gains). (n.d.).

LIVESTOCK | CLOSTRIDIAL VACCINES



COVEXIN® 8 5 mL DOSE

For the vaccination of healthy cattle and sheep as an aid in the prevention of diseases caused by *Clostridium chauvoei*, *C. septicum*, *C. novyi* Type B, *C. haemolyticum* (known also as *C. novyi* Type D), *C. tetani* and *C. perfringens* Types C and D.

10 dose	UIN: 067697 UPC: 662858676976
50 dose	UIN: 067696 UPC: 662858676969



CAVALRY® 9 2 mL DOSE

For vaccination of healthy cattle against diseases caused by *Clostridium chauvoei*, *Cl. septicum*, *Cl. novyi* Type B, *Cl. haemolyticum*, *Cl. sordellii*, *Cl. tetani* and *Cl. perfringens* Types C and D.

10 dose	UIN: 067691 UPC: 662858676914
50 dose	UIN: 058246 UPC: 662858582468
125 dose	UIN: 067694 UPC: 662858676945



VISION® CD-T 2 mL DOSE

For use in healthy cattle, sheep and goats as an aid in preventing disease caused by *Clostridium perfringens* Types C and D (Enterotoxemia) and *Cl. tetani* (Tetanus).

50 dose	UIN: 069096 UPC: 662858012798
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LIVESTOCK | SCOURS VACCINES



GUARDIAN® 2 mL DOSE

GUARDIAN vaccine is a multiple-antigen product that includes a cell-free extract of K99 pilus type of *Escherichia coli*, a unique combination of two inactivated coronaviruses, two G types of inactivated rotaviruses and a bacterin-toxoid from *Clostridium perfringens* Types C and D. It is recommended for use in healthy heifers and cows as an aid in the prevention of neonatal calf diarrhea caused by enterotoxigenic *E. coli* pilus type K99, bovine Group A Serotype G6 rotaviruses, enterotoxemia caused by *Cl. perfringens* Types C and D, and as an aid in the control of neonatal calf diarrhea caused by bovine coronaviruses.

10 dose	UIN: 065302 UPC: 662858180107
50 dose	UIN: 065307 UPC: 662858180503



BOVILIS® CORONAVIRUS 2 mL DOSE IN

Recommended for use in healthy calves as an aid in the reduction of enteric disease caused by bovine coronavirus. Efficacy was demonstrated in calves 3 days of age and older, and safety has been demonstrated in calves 1 day of age and older.

10 dose	UIN: 151733 UPC: 662858526813
50 dose	UIN: 150408 UPC: 662858526820
25 x 1 dose	UIN: 156332 UPC: 662858526806

Stop pinkeye before it starts with PILIGUARD® vaccines. PILIGUARD vaccines are designed to help boost immunity against *Moraxella bovis*, the bacteria that causes pinkeye infections. Vaccinating a herd with PILIGUARD can help prevent infections and can help reduce the severity of infections when outbreaks occur. The PILIGUARD line includes a variety of formulations, so producers can find the option that fits their needs.



PILIGUARD® Pinkeye + 7 5 mL DOSE

Aids in the control of pinkeye caused by *Moraxella bovis* strains expressing pili similar to those expressed by isolates referred to by Merck Animal Health as strains EPP 63, FLA 64 and SAH 38, and against diseases caused by *Clostridium chauvoei*, *Cl. septicum*, *Cl. novyi* Type B, *Cl. sordellii* and *Cl. perfringens* Types C and D. Immunity is also provided against *Cl. perfringens* Type B. This immunity is derived from the combination of the Type C (beta) and Type D (epsilon) fractions.

10 dose	UIN: 065405 UPC: 662858031119
50 dose	UIN: 065406 UPC: 662858031157



PILIGUARD® 2 mL DOSE Pinkeye-1 TRIVALENT

For use in healthy cattle to aid in the prevention of pinkeye associated with infection by *Moraxella bovis* strains expressing pili similar to those expressed by isolates referred to by Merck Animal Health as strains Epp 63, Fla 64 and SAH 38.

10 dose	UIN: 065410 UPC: 662858029123
50 dose	UIN: 143130 UPC: 662858029147



20/20 VISION® 7 2 mL DOSE

For use in healthy cattle as an aid in preventing disease caused by *Clostridium chauvoei* (Blackleg), *Cl. septicum* (Malignant edema), *Cl. novyi* (Black disease), *Cl. sordellii* and *Cl. perfringens* Types C and D (Enterotoxemia) and *Moraxella bovis* (Pinkeye or infectious bovine keratoconjunctivitis).

10 dose	UIN: 069083 UPC: 662858097023
50 dose	UIN: 069084 UPC: 662858040593



MORAXELLA BOVOCULI 2 mL DOSE

For the vaccination of healthy cattle 14 weeks of age or older against pinkeye (infectious bovine keratoconjunctivitis). This product license is conditional; potency has not been fully demonstrated. For more information regarding safety data, see productdata.aphis.usda.gov. Do not vaccinate within 21 days before slaughter. This product has not been tested in pregnant animals.

10 dose	UIN: 317164 UPC: 662858000023
50 dose	UIN: 336610 UPC: 662858000030

Reproductive performance is a major factor affecting the production and economic efficiency of cattle operations. Let our powerful lineup of reproductive products help your customers improve their overall herd health and increase their bottom line.



VISTA® 5 L5 SQ 2 mL DOSE

For vaccination of healthy cows and heifers, using the only one-dose *Leptospira hardjo-bovis* protection in combination with five-way modified-live virus protection against Infectious Bovine Rhinotracheitis (IBR), Bovine Viral Diarrhea (BVD) Type 1 and Type 2, Parainfluenza3 (PI3) and Bovine Respiratory Syncytial Virus (BRV).

10 dose	UIN: 006344 UPC: 662858904826
50 dose	UIN: 006345 UPC: 662858904857



VISTA® 5 VL5 SQ 2 mL DOSE

For vaccination of healthy cows, using five-way modified-live virus protection against Infectious Bovine Rhinotracheitis (IBR), Bovine Viral Diarrhea (BVD) Type 1 and Type 2, Parainfluenza3 (PI3) and Bovine Respiratory Syncytial Virus (BRV). Features five-way *Leptospira* protection including *L. hardjo-bovis* urinary shedding and *Campylobacter fetus* (Vibriosis).

10 dose	UIN: 006341 UPC: 662858904925
50 dose	UIN: 006342 UPC: 662858904956



L5 SQ 2 mL DOSE

For use in vaccination of healthy cattle as an aid in preventing Leptospirosis including *L. borgpetersenii* serovar *hardjo bovis*, and as an aid in prevention of urinary shedding of *L. hardjo* organisms.

50 dose	UIN: 006362 UPC: 662858902952
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VL5 SQ 2 mL DOSE

For use in vaccination of healthy cattle as an aid in reducing infertility (reproductive disease caused by *Campylobacter fetus*), and as an aid in preventing Leptospirosis including *L. borgpetersenii* serovar *hardjo bovis*; and as an aid in prevention of urinary shedding of *L. hardjo* organisms.

50 dose	UIN: 006363 UPC: 662858902853
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Cattle Vaccination Plan

ACTIVITY	CATTLE TYPE	CATEGORY OF TREATMENT	MERCK ANIMAL HEALTH PRODUCT
Pre-Calving	Pregnant Cows	Scours	GUARDIAN®
Calving (One week of age)	Calves	Respiratory	Choose one: ONCE® PMH IN OR BOVILIS® NASALGEN® 3 PMH
First Working • Branding • Pre-weaning • Weaning If giving a tetanus vaccine when castrating or banding bull calves, two doses are required prior to banding or castration procedure.	Calves	Respiratory	Choose one: VISTA® ONCE SQ* OR BOVILIS® NASALGEN® 3 OR BOVILIS® NASALGEN® 3 PMH <small>*For use in calves 3 months of age or older</small>
		Clostridial	Choose one: VISION® 7/8 OR VISION® 7/8 SOMNUS
		Clostridial + Tetanus	Choose one: CALVARY® 9 OR COVEXIN® 8
		Pinkeye <i>Spring only Booster or 1st Dose if not given at First Working</i>	Choose one: PILIGUARD® Pinkeye-1 TRIVALENT OR 20/20 VISION® 7 +/- MORAXELLA BOVOCULI
Second Working 3-6 weeks later or at Weaning	Heifers/Steers	Respiratory Booster	VISTA® ONCE SQ*
		Clostridial Booster	Choose one: VISION® 7/8 OR VISION® 7/8 SOMNUS
		Pinkeye <i>Spring only Booster or 1st Dose if not given at First Working</i>	Choose one: PILIGUARD® Pinkeye-1 TRIVALENT OR 20/20 VISION® 7 +/- MORAXELLA BOVOCULI
Pre-Breeding	Replacement Heifers/Cows	Respiratory + Lepto + Vibrio	VISTA® 5 VL5 SQ*

***Modified Live Vaccines:** All VISTA vaccines are labeled as being safe for use in pregnant heifers and cows or calves nursing pregnant cows provided the cows and heifers in the herd are vaccinated prior to breeding, within the previous 12 months, with any of the modified live IBR and BVD containing vaccine(s) in this product line. Read product label carefully. If cows have not previously been vaccinated with modified-live vaccines consult your veterinarian before use.

Healthy growing cattle are the key to success in any operation. Implants enable producers to maximize their cattle's weight gain by optimizing their available nutrition.



REVALOR®-G WEANED STEER & HEIFER CALVES

(TRENBOLONE ACETATE AND ESTRADIOL)

REVALOR-G is an implant containing 40 mg of trenbolone acetate and 8 mg estradiol. It is intended for use in weaned pasture steers and heifers. REVALOR-G uses a lower hormone dosage, designed for stocker cattle on pasture. The combination of trenbolone acetate and estradiol allows REVALOR-G to provide consistent weight gains across varying forage qualities and weather conditions. Each implant consists of two small yellow pellets, and 10 implants are enclosed in each cartridge.

2x10 dose UIN: 125191 Implant Gun UIN: 155012
UPC: 0217840811080

10x10 dose UIN: 126547
UPC: 00021784811002

A withdrawal period has not been established for RALGRO and REVALOR in pre-ruminating calves. Do not use in calves to be processed for veal. For complete information, refer to the product label.



RALGRO® SUCKLING STEER & HEIFER CALVES

(ZERANOL)

Increases rate of weight gain of suckling beef calves. It also increases the rate of weight gain and improves feed conversion of weaned beef calves, growing beef cattle, feedlot steers and feedlot heifers. The active ingredient zeranol stimulates animal's own natural growth system. Each implant contains three pellets of 12 mg zeranol totaling 36 mg per implant. There are 24 RALGRO implants provided in a cartridge.

1 x 24 dose UIN: 067089 Implant Gun UIN: 065481
UPC: 5017363035728 UPC: 300615076019

10 x 24 dose UIN: 067110
UPC: 5017363035711

EXTERNAL PARASITE CONTROL

External parasites—such as lice, mites and flies—present a year-round challenge to cattle and handlers. By controlling these nuisances, producers can increase cattle performance and well-being, and also help reduce the spread of diseases. Because external parasites can vary from operation to operation and by geography, Merck Animal Health provides a variety of external parasite control products to adapt to the needs of the location.



ULTRA SABER™ Pour-On Insecticide

1% LAMBDA-CYHALOTHRIN, 5% PIPERONYL BUTOXIDE

Pour on insecticide for beef cattle and calves. Provides fast, long-lasting control of horn flies and lice. Applied in a convenient low-dose application – 10 mL for animals 600 lb. or less, and 15 mL for animals over 600 lb.

900 mL UIN: 055427 Pour-On Gun UIN: 067630
UPC: 300615478011 UPC: 021784067638

Gallon UIN: 055421
UPC: 300615478028



ULTRA BOSS® Pour-On Insecticide

5% PERMETHRIN AND 5% PIPERONYL BUTOXIDE

Pour-on insecticide for lactating and non-lactating dairy cattle, beef cattle, calves, sheep, lactating and non-lactating dairy goats and horses (not intended for human consumption)

Target species for lactating and non-lactating dairy cattle, beef cattle, calves and horse: lice, horn flies, face flies. Aids in control of horse flies, stable flies, mosquitoes, black flies, and ticks. **Target species for sheep:** sheep keds and lice. **Cattle:** No preslaughter withdrawal. No milk discard.

Quart UIN: 065590 Gallon UIN: 065589
UPC: 300615260029 UPC: 300615260012



SABER™ Pour-On Insecticide

1% LAMBDA-CYHALOTHRIN

Pour-on insecticide for beef cattle & calves. Long-lasting control of horn flies and lice. Applied in a convenient low-dose application—10 mL for animals 600 lb. or less, and 15 mL for animals over 600 lb.

900 mL UIN: 065526
 UPC: 300615062012
 Gallon UIN: 065537
 UPC: 300615062043



BOSS® Pour-On Insecticide

5% PERMETHRIN

Pour-on insecticide for beef and dairy cattle and sheep. Low-volume dosage. Cattle: no preslaughter withdrawal. No milk discard. Apply 3 mL per 100 lb. body weight, up to the 30 mL maximum application limit.

Quart UIN: 066780
 UPC: 300615030011
 Gallon UIN: 066745
 UPC: 300615030028



SYNERGIZED DELICE® Pour-On Insecticide

1% PERMETHRIN, 1% PIPERONYL BUTOXIDE

Controls wide range of insects on livestock and premises. Controls lice, horn flies and face flies on lactating and non-lactating dairy cattle, beef cattle and calves and aids in control of horse flies, stable flies, horse flies, mosquitoes and black flies as well as others.

Gallon UIN: 065573
 UPC: 300615074060



GRENADE® ER Premise Insecticide

9.7% LAMBDA-CYHALOTHRIN

A broad-spectrum premise insecticide for use in, on and around buildings and structures for the control of pests, including on lawns, ornamental trees and shrubs and around residential, institutional, public, commercial, agricultural and industrial buildings; and parks, recreational areas and athletic fields. Microencapsulated for long-lasting control of a wide variety of insects that plague surfaces.

8 oz. UIN: 065374
 UPC: N/A



DOUBLE BARREL® VP Insecticide Ear Tags

14% PIRIMIPHOS METHYL AND 6.8% LAMBDCYHALOTHRIN

Two active ingredients minimize development of resistance. For up to 5 months' control of horn flies and face flies. Use two tags per head on beef and non-lactating dairy cattle and calves.

20 ear tags per box

UIN: 067807
UPC: 300615004012



SABER™ EXTRA Insecticide Ear Tags

10% LAMBDCYHALOTHRIN AND 13% PIPERONYL BUTOXIDE

For up to 5 months' control of horn flies and up to 4 months' control of face flies. Use two tags per head on beef and non-lactating dairy cattle and calves.

20 ear tags per box

UIN: 065505
UPC: 300615019023



DOMINATOR® Insecticide Ear Tags

20% PIRIMIPHOS METHYL

For up to 5 months' control of horn flies (including synthetic pyrethroid-resistant horn flies) and as an aid in the control of face flies. Use two tags per head on beef and non-lactating dairy cattle and calves.

20 ear tags per box

UIN: 067783
UPC: 300615223017



ATROBAN® 11% EC

11% PERMETHRIN EMULSIFIABLE CONCENTRATE

Emulsifiable concentrate long-lasting insecticidal spray for livestock and their premises. Controls horn flies, face flies, stable flies, house flies, horse flies, black flies, mosquitoes, eye gnats, mites, ticks and lice, and sheep keds. For use in lactating and non-lactating dairy cattle and goats, beef cattle, horses, sheep and swine.

Pint

UIN: 065882
UPC: 300615055014

Quart

UIN: 065802
UPC: 300615055021

SAFE-GUARD® (fenbendazole) features broad-spectrum activity against internal parasites, which threaten herd health, feed intake and performance. The more parasites an animal has, the fewer nutrients it can utilize.

SAFE-GUARD, powered by the unique fenbendazole molecule, goes straight to the gut, killing worms in as little as one day versus seven to 14 days for endectocide-based products.⁴

safe-guard®
(fenbendazole)

www.safe-guardcattle.com

- **FAST-ACTING** – making it an excellent choice to pair with vaccination and for new animals on arrival.
- **CUMULATIVE** – parasites can't excrete fenbendazole so even cattle that ingest small amounts of SAFE-GUARD feed products over a few feedings still quickly build up to a dose that is lethal to parasites.
- **EFFECTIVE** – SAFE-GUARD is effective at eliminating 98.7% of profit-robbing parasites, whatever formula you choose.⁵



SAFE-GUARD gives Cattle Producers the options they need to deworm cattle efficiently and effectively to fit their operations.

SAFE-GUARD handling products are available in drench and paste formulations for use when cattle are being worked through a handling system.



SAFE-GUARD® (fenbendazole) Suspension (Drench)⁶

A single application, low-dose volume suspension with easy-to-use applicator gun for accurate, stress-free deworming. One liter deworms 43,478 lb. of cattle; one gallon deworms 164,565 lb. (2.3ml/100 lb. of cattle).⁶

Liter	UIN: 069293 UPC: 021784046718
Gallon	UIN: 069292 UPC: 021784467100
10 Liter	UIN: 149872 UPC: 8713184153005
125 mL (goats only)	UIN: 004537
12 x 125 mL	UPC: 021784045377 UPC: 021784004534
Cattle Suspension Dosing Kit	UIN: 124277 UPC: 021784124270
Goat Dosing Syringe	UIN: 006768 UPC: 021784067683

SAFE-GUARD® (fenbendazole) Paste⁶

A single application, low-dose volume paste with specially designed metal hook for convenient dosing. To be used only with SAFE-GUARD dosing equipment. Each 290 gm paste cartridge deworms 12,600 lb. of cattle.⁶

290 gm syringe	UIN: 145738 UPC: 021784472296
290 gm Dosing Kit	UIN: 066951 UPC: 021784098502

A single application, low-dose volume paste. Each 92 gm tube deworms 4,000 lb. of cattle.

92 gm syringe	UIN: 066958 UPC: 021784471923
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⁶SAFE-GUARD Drench and Paste:

RESIDUE WARNING: Drench and Paste: Cattle must not be slaughtered within eight days following last treatment. For dairy cattle, the milk discard time is zero hours. A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. SAFE-GUARD® Mineral and feed through products: Cattle must not be slaughtered within 13 days following last treatment; EN-PRO-AL Molasses Block: 11days; Protein Block: 16 days. For dairy cattle, the milk discard time is zero hours. A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. For complete information, refer to the product label.

The **SAFE-GUARD®** (fenbendazole) feed and mineral products provide multiple non-handling options to fit your operational needs

Internal parasite control is the cornerstone of an effective animal health program, allowing cattle producers to deworm right in the the pasture. **SAFE-GUARD®** (fenbendazole) works differently than macrocyclic lactones, which have resistance issues due to overuse.⁷



SAFE-GUARD® (fenbendazole) Protein Block⁷

Comes in highly palatable, 25 lb. block of SAFE-GUARD 20% protein. One block treats 8,152 lb. (500 lb. of cattle per 1.5 lb.).⁸

25 lb. block

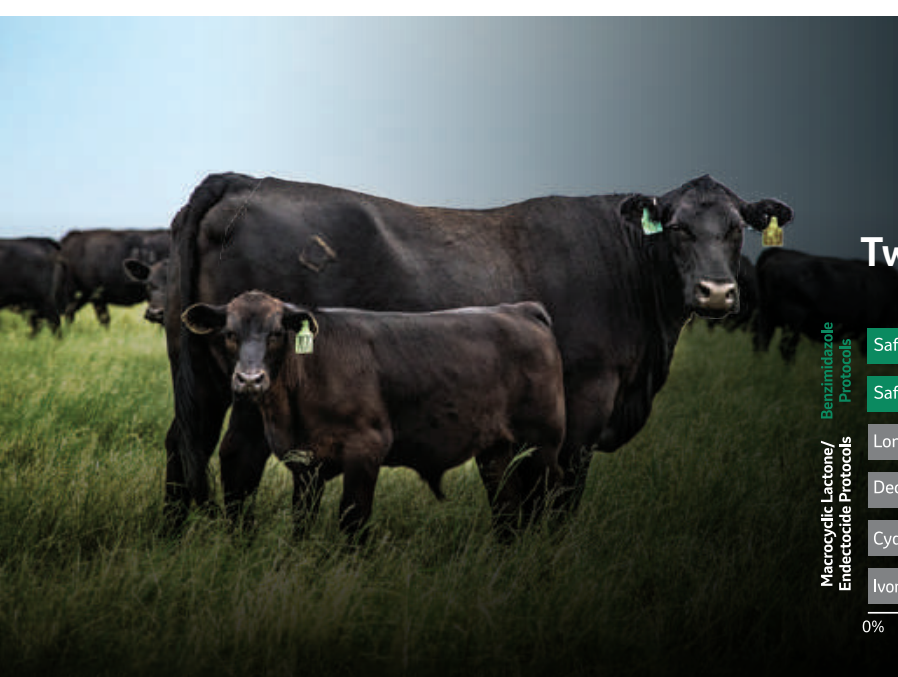
UIN: 069290
UPC: 021784464253

SAFE-GUARD® (fenbendazole) EN-PRO-AL® Molasses Block⁸

Comes in highly palatable, 25 lb. block of En-Pro-Al soft-poured molasses. One block treats 8,152 lb. (500 lb. of cattle per 1.5 lb.).⁹

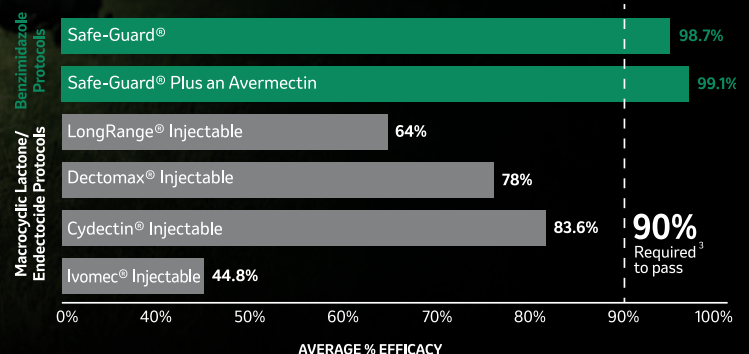
25 lb. block

UIN: 069291
UPC: 021784801256



Double Down ON PARASITES

Two dewormers are better than one.¹¹



⁷Bliss DH. The seasonal efficacy of fenbendazole in a strategic deworming program compared with "long-acting" endectocides given at turnout.

⁸SAFE-GUARD EN-PRO-AL Molasses Block: RESIDUE WARNING: Cattle must not be slaughtered within 11 days following last treatment. A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.

⁹SAFE-GUARD Protein Block: RESIDUE WARNING: Cattle must not be slaughtered within 16 days following last treatment. A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.

SAFE-GUARD free-choice mineral products are available in 20 to 50-pound options. Feed over a three to six-day period. Formulations vary by company so follow label directions for use.



SAFE-GUARD® (fenbendazole) Minerals¹⁰

NutreBeef®, MoorGuard®, Vigortone® 32SG & Cargill™ 32SG

SAFE-GUARD free-choice mineral products are available in 20 to 50-pound options. Feed over a three to six-day period. Formulations vary by company so follow label directions for use.

20-50 lb. pail or bags UPC: Varies by manufacturer

SAFE-GUARD is also available in 0.5% pellets that deworm in a single feeding or as high-quality range cubes used for deworming cattle on pasture.



SAFE-GUARD® (fenbendazole) Range Cubes¹⁰

High-quality range cubes used for deworming cattle on pasture. Deworms in a single feeding. Formulations and consumption levels required may vary by company so follow label directions for use.¹⁰ Available through authorized distributors and feed manufacturers.

50 lb. bag

UPC: Varies by manufacturer

SAFE-GUARD® (fenbendazole) 0.5% Pellets¹⁰

Palatable pellet or crumble for top-dress feeding or adding to rations available in 1, 5, 10, 25 and 50-pound bags or pails. One pound deworms 1,000 lb. of cattle.¹⁰ 10-pound bag available through Merck Animal Health, and all sizes available through animal health distributors and authorized SAFE-GUARD feed manufacturers—request product medicated with SAFE-GUARD Dewormer.

1 lb. bag

5 lb. bag

10 lb. bag

25 lb. bag

50 lb. bag

UPC: Varies by manufacturer

UPC: Varies by manufacturer

UIN: 056698

UPC: 21784068161

UPC: Varies by manufacturer

UPC: Varies by manufacturer

UPC: Varies by manufacturer

Contact your animal health distributor, authorized SAFE-GUARD feed manufacturers or Merck Animal Health customer service at 800-521-5767 for assistance in ordering options.

¹⁰SAFE-GUARD Mineral, feed through products and liquid feed: RESIDUE WARNING: Cattle must not be slaughtered within 13 days following last treatment. For dairy cattle, the milk discard time is zero hours. A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.

¹¹Reinhardt, et al. A fenbendazole oral drench in addition to an ivermectin pour-on reduces parasite burden and improves feedlot and carcass performance of finishing heifers compared with endectocides alone. J Anim Sci. 2006;84(8):2243-2250.

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You can also reach the **Merck Animal Health Retail Team** at RetailTeam@merck.com

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