



CANINE | 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

- Canine 
- Horse 
- Cow 
- Sheep 
- Goat 
- Swine 

CONTENTS

Canine	Canine Dewormers	3-4
	Equine Dewormers	5-6
Equine	Equine Vaccines	7-9
	Respiratory Vaccines	11-12
Livestock	Clostridial Vaccines	13-14
	Scours Vaccines	14
	Pinkeye Vaccines	15
	Reproduction Vaccines	16
	Implants-Pasture Cattle	18
	External Parasite Control	18-19
	Fly/Pest Control	20
	Internal Parasite Control	21-22



If your dog is at his happiest when he’s outside, you need **SAFE-GUARD** (fenbendazole) to protect him on the inside. **SAFE-GUARD** treats the 4 major intestinal worm types common to the outdoor dog.



Safe-Guard® treats 6 species of the 4 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 6 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 Carton (8 boxes) UPC: 021784470124
UPC: 021784349062

Safe-Guard® Canine Dewormer 2 gram

Fenbendazole 22.2% canine dewormer.

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

Safe-Guard® Canine Dewormer 4 gram

Fenbendazole 22.2% canine dewormer.

4 gm Single Box UIN: 040694
Display Box (8 boxes) UPC: 021784470421
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)	Bayer Quad Dewormer	Triple Wormer D-Worm™ Combo WormX Plus®	D-Worm™ Tablets Nemex®-2 WormX®	D-Worm™ Liquid	D-Worm™ Tapeworm
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.

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

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 compound on the market today that comes in so many forms and sizes, yet is effective against the most common intestinal parasites of the horse.



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

UPC: 021784471251

12 x 25 gm syringe

UIN: 064832
UPC: 021784047128

36 x 25 gm syringe

UIN: 003468
UPC: 021784471367

92 gm syringe

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.*, *Cylicocyclus spp.*, *Cylicostephanus spp.*), pinworms (*Oxyuris equi*), and ascarids (*Parascaris equorum*).

1.25 lb bag

UIN: 004681
UPC: 021784046817

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.

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® V + VEE
with Havlogen®*
ENCEPHALOMYELITIS - RHINOPNEUMONITIS -
INFLUENZA VACCINE

EASTERN, WESTERN, AND VENEZUELAN, KILLED VIRUS
TETANUS TOXOID

For vaccination of healthy horses 6 months of age or older, as an aid in the prevention of disease caused by Eastern, Western and Venezuelan encephalomyelitis viruses and tetanus, as an aid in the control of respiratory disease caused by EIV, EHV-1 and EHV-4 and as an aid in reduction of virus shedding of EIV and EHV-1. Duration of immunity (DOI) has been shown to be at least 6 months for EIV.

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

UIN: 030313
UPC: 662858900545
UPC: 662858900552

UIN: 032887
UPC: 662858900521



Prestige® V
with Havlogen®*
ENCEPHALOMYELITIS - RHINOPNEUMONITIS -
INFLUENZA VACCINE

EASTERN AND WESTERN, KILLED VIRUS
TETANUS TOXOID

For vaccination of healthy horses 6 months of age or older, as an aid in the prevention of disease caused by Eastern and Western encephalomyelitis viruses and tetanus, as an aid in the control of respiratory disease caused by EIV, EHV-1 and EHV-4 and as an aid in reduction of virus shedding of EIV and EHV-1. Duration of immunity (DOI) has been shown to be at least 6 months for EIV.

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

UIN: 036486
UPC: 662858199949
UPC: 662858199956

UIN: 036595
UPC: 662858199925



Prestige® II
with Havlogen®*
EQUINE RHINOPNEUMONITIS - INFLUENZA VACCINE

KILLED VIRUS

For vaccination of healthy horses 6 months of age or older, as an aid in the control of respiratory disease caused by EIV, EHV-1 and EHV-4 and as an aid in reduction of virus shedding of EIV and EHV-1. Duration of immunity (DOI) has been shown to be at least 6 months for EIV.

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

UIN: 030791
UPC: 662858099843
UPC: 662858099850

UIN: 030872
UPC: 662858099829



Encevac® TC-4
with Havlogen®*
ENCEPHALOMYELITIS - INFLUENZA VACCINE

EASTERN AND WESTERN, KILLED VIRUS
TETANUS TOXOID

For vaccination of healthy horses 6 months of age or older, as an aid in the prevention of disease caused by Eastern and Western encephalomyelitis viruses and tetanus and as an aid in the control of respiratory disease and as an aid in the reduction of virus shedding caused by EIV. Duration of immunity (DOI) has been shown to be at least 6 months for EIV.

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

UIN: 035127
UPC: 662858903249
UPC: 662858903256

UIN: 031685
UPC: 662858903225



Encevac® T + WNv
with Havlogen®*
ENCEPHALOMYELITIS - WEST NILE VIRUS VACCINE

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

For vaccination of healthy horses 6 months of age or older, as an aid in the prevention of disease caused by Eastern and Western encephalomyelitis viruses and tetanus and as an aid in reduction of disease, encephalitis and viremia caused by West Nile virus.

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

UIN: 155638
UPC: 662858966855
UPC: 662858966817

UIN: 077462
UPC: 662858966800



Encevac® T
with Havlogen®*
ENCEPHALOMYELITIS - WEST NILE VIRUS VACCINE

EASTERN AND WESTERN, KILLED VIRUS
TETANUS TOXOID

For vaccination of healthy horses 6 months of age or older, as an aid in the prevention of disease caused by Eastern and Western encephalomyelitis viruses and tetanus.

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

UIN: 069092
UPC: 662858466997
UPC: 662858506686

UIN: 069093
UPC: 662858467093



Equi-Nile™
with Havlogen®*
WEST NILE VIRUS VACCINE

KILLED FLAVIVIRUS CHIMERA

For vaccination of healthy horses 6 months of age or older, as an aid in reduction of disease, encephalitis, and viremia caused by West Nile virus.

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

UIN: 108144
UPC: 662858968644
UPC: 662858968651

UIN: 111721
UPC: 662858968620



Super-Tet®
with Havlogen®*
TETANUS TOXOID

Tetanus Toxoid for vaccination of healthy horses, cattle, swine and sheep, 6 months of age or older, as an aid in the prevention of disease caused by tetanus.

1 mL Syringe
10 x 1 mL Syringe

UIN: 069151
UPC: 662858478693
UPC: 662858506686



Prodigy®
with Havlogen®*
EQUINE RHINOPNEUMONITIS VACCINE

KILLED VIRUS

For vaccination of healthy horses 6 months of age or older, as an aid in the prevention of abortion and respiratory disease caused by EHV-1 infection.

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

UIN: 069141
UPC: 662858461794
UPC: 662858506655

UIN: 069142
UPC: 662858461190



Prestige®
with Havlogen®*
EQUINE RHINOPNEUMONITIS VACCINE

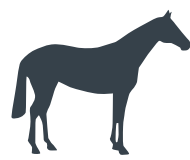
KILLED VIRUS

For vaccination of healthy horses 6 months of age or older, as an aid in the control of respiratory disease and as an aid in the reduction of virus shedding caused by EHV-1 and EHV-4.

1x10 mL

UIN: 069140
UPC: 662858206630

Merck Vaccine	Tetanus	WNV	EEE/WEE	VEE	Influenza	EHV-1/EHV-4	EHV-1/Abortion	EHV-1/Respiratory
Prestige® V + VEE	●		●	●	●	●		
Prestige® V	●		●		●	●		
Prestige® II					●	●		
Encevac® TC-4	●		●		●			
Encevac® T + WNv	●	●	●					
Encevac® T	●		●					
Equi-Nile™		●						
Super-Tet®	●							
Prodigy®							●	●
Prestige®						●		



Horse Vaccination

Suggested Schedule

To learn more about vaccination and the diseases of concern for horses, visit GetVaccinatingRight.com

HOBBY (Low exposure to Flu and Herpesvirus) Don't forget to have your Veterinarian vaccinate for Rabies annually

SPRING	
ENCEVAC® T	or
+ EQUI-NILE™	ENCEVAC® T + WNV

PERFORMANCE (or any horse with moderate to high exposure to Flu and Herpesvirus) Don't forget to have your Veterinarian vaccinate for Rabies annually

SPRING						FALL
PRESTIGE® V*	or	ENCEVAC® T + WNV	or	ENCEVAC® TC-4	+ PRODIGY®	PRESTIGE® II
+ EQUI-NILE™		+ PRESTIGE® II		+ EQUI-NILE™		

BROODMARE (Months of Pregnancy) Don't forget to have your Veterinarian vaccinate for Rabies annually

PRE-BREEDING/SPRING					
PRESTIGE® V*	or	ENCEVAC® T + WNV	or	ENCEVAC® TC-4	+ PRODIGY®
+ EQUI-NILE™		+ PRESTIGE® II		+ EQUI-NILE™	
5 MONTHS		7 MONTHS		9 MONTHS	
PRODIGY®		PRODIGY®		PRODIGY®	
4-6 WEEKS PRIOR TO FOALING					
PRESTIGE® V*	or	ENCEVAC® T + WNV	or	ENCEVAC® TC-4	+ PRODIGY®
+ EQUI-NILE™		+ PRESTIGE® II		+ EQUI-NILE™	

FOAL (Age of foal, if mare was properly immunized with booster vaccination 4-6 weeks prior to foaling) Don't forget to have your Veterinarian vaccinate for Rabies annually

3 doses at 4 TO 6 MONTHS and 3 TO 4 WEEKS (after first dose) and 10 TO 12 MONTHS					
PRESTIGE® V*	or	ENCEVAC® T + WNV	or	ENCEVAC® TC-4	+ PRODIGY®
+ EQUI-NILE™		+ PRESTIGE® II		+ EQUI-NILE™	

Note: Vaccination serves to minimize the risks of infection but cannot prevent disease in all circumstances. Vaccination alone, in the absence of good management practices directed at infection control, is not sufficient for the prevention of infectious disease. Protection is not immediate, all horses will not be protected to an equal degree, and vaccination will not always provide complete protection. Although rare, there is potential for adverse reactions despite appropriate handling and administration of vaccines.

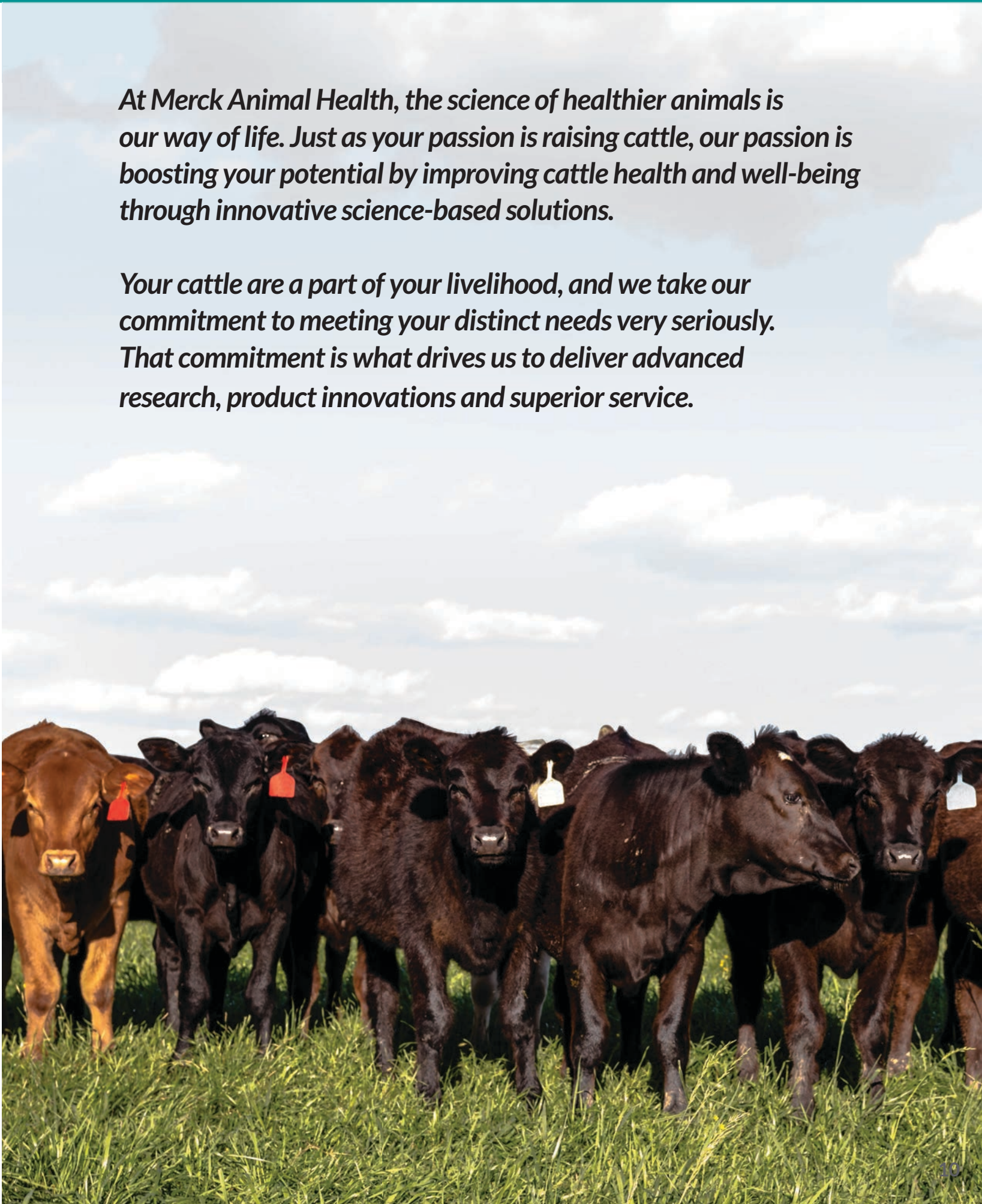
See your veterinarian for an annual spring check up and a West Nile prevention program. Discuss the risk of Rabies, Potomac Horse Fever and Strangles.

*** Venezuelan Equine Encephalitis is a risk based disease. Prestige V + VEE can be substituted when necessary.**

****** Infectious disease control programs, in conjunction with vaccination, are important in maximizing the health, productivity and performance of your horse. Your veterinarian can help design a health management program to reduce exposure to infectious disease agents in your horse's environment and lessen the incidence of illness. Disease control programs should be tailored to your individual needs, with consideration given to ages, types, activities and number of horses in your program. (AAEP Vaccination Guidelines)

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

Your cattle are a part of your livelihood, and we take our commitment to meeting your distinct needs very seriously. That commitment is what drives us to deliver advanced research, product innovations and superior service.



Merck Animal Health vaccines give you the power to get in front of disease before it strikes, tackling it before it gains ground. Instead of treating disease, you can keep producing healthy, profitable cattle.

All Vista® vaccines are labeled for use in pregnant cows and calves nursing pregnant cows. Vista Once, Vista 5 and Vista 3 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. Industry-leading Vista Once and Once PMH® SQ also have a 16-week DOI for Pasteurella multocida and Mannheimia haemolytica.



Vista® Once SQ

For vaccination of healthy cattle using 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, Parainfluenza3 (PI3) and Bovine Respiratory Syncytial Virus (BRSV).

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



Vista® 5 SQ

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, Parainfluenza3 (PI3) and Bovine Respiratory Syncytial Virus (BRSV). Also available in combination with the only avirulent-live culture protection against *Mannheimia haemolytica* and *Pasteurella multocida*.

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



Vista® 3 SQ

For use in healthy cattle as a modified-live virus vaccine against Infectious Bovine Rhinotracheitis (IBR) and Bovine Viral Diarrhea (BVD) Type 1 and Type 2.

50 dose	UIN: 006334 UPC: 662858904659
---------	----------------------------------



Once® PMH 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
25x1 dose	UIN: 156004 UPC: 662858918410



Nasalgen® IP

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

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

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 gains, 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

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® 7 Somnus

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

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® 8 Somnus

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, *Cl. perfringens* Type D, and *Haemophilus somnus*.

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



Covexin® 8

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



Vision® CD-T

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
---------	----------------------------------



Guardian®

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

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

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

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 prevent infections and 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

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



20/20 Vision® 7

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



Piliguard® 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

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

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 (BRSV).

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



Vista® 5 VL5 SQ

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 (BRSV). 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

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
---------	----------------------------------



VL5 SQ

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
---------	----------------------------------



Cattle Vaccination

Suggested Schedule

To learn more about vaccination and the diseases of concern for cattle, visit The-Best-Defense.com

CALF* (At purchase or at 3 months of age for home raised calves) Calves are vaccinated twice**

RESPIRATORY PROTECTION (NURSING BRED COW)								
start with VISTA® 5 SQ	or	start with VISTA® 5 SQ	and	revaccinate with VISTA® 5 SQ				
+ ONCE PMH IN		+ ONCE PMH SQ						
RESPIRATORY PROTECTION (NURSING UNBRED COW)								
start with VISTA® ONCE SQ		and		revaccinate with VISTA® 5 SQ				
BACKLEG PROTECTION								
VISION® 7	or	VISION® 8	or	VISION® 7 SOMNUS	or	VISION® 8 SOMNUS	or	CAVALRY® 9

*Always consult your veterinarian concerning best health management decisions specific to your operation, selection of qualified USDA/FDA approved products, optimum use of combination products, and the efficacy of vaccination in the face of maternal antibodies Always read, understand, and follow product label and use as directed.

****Calves are vaccinated twice:** At purchase or at 3 months of age for home raised calves. – Administer the first vaccines at purchase or at 3 months of age for home raised calves. – Revaccinate 3 to 6 weeks later.

HEIFER* (At purchase or at 3 months of age for home raised calves) Replacement heifers are vaccinated three times***

RESPIRATORY PROTECTION (NURSING BRED COW)								
start with VISTA® 5 SQ	or	start with VISTA® 5 SQ	and	revaccinate with VISTA® 5 SQ				
+ ONCE PMH IN		+ ONCE PMH SQ						
RESPIRATORY PROTECTION (NURSING UNBRED COW)								
start with VISTA® ONCE SQ	and		revaccinate with VISTA® 5 SQ					
REPRODUCTIVE PROTECTION								
VISTA® 5 VL5 SQ								
BLACKLEG PROTECTION								
VISION® 7	or	VISION® 8	or	VISION® 7 SOMNUS	or	VISION® 8 SOMNUS	or	CAVALRY® 9

*****Replacement heifers are vaccinated three times:** For home raised replacement heifers. – Administer first vaccines at purchase or at 3 months of age for home raised calves. – Administer second vaccines 3 to 6 weeks later (including optional Brucellosis vaccination). – Third vaccination 2 to 8 weeks prior to breeding.

Healthy growing cattle are the key to success in any operation. Implants enable you to maximize your 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 UPC: 0217840811080	Implant Gun	UIN: 155012
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 UPC: 5017363035728	Implant Gun	UIN: 065481 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 wellbeing, and also help reduce the spread of diseases. Since 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% LAMBDACYHALOTHRIN, 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 UPC: 300615478011	Pour-On Gun	UIN: 067630 UPC: 021784067638
Gallon	UIN: 055421 UPC: 300615478028		



Ultra Boss® Pour-On Insecticide

5% PERMETHRIN AND 5% PIPERONYL BUTOXIDE
Pour-on insecticide for beef, dairy, and lactating cattle; sheep, goats and horses. Low-volume dosage reduces time and labor. Target species: lice, horn flies, face flies, horse flies, stable flies, mosquitoes, black flies and ticks. Cattle: No preslaughter withdrawal. No milk discard. Apply 3 mL per 100 lb. body weight, up to the 30 mL maximum application limit. Also approved for use in backrubbers.

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



Saber™ Pour-On Insecticide

1% LAMBDACYHALOTHRIN

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



Double Barrel® VP Insecticide Ear Tags

14% PIRIMIPHOS METHYL AND 6.8% LAMBDACYHALOTHRIN

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% LAMBDACYHALOTHRIN 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
---------------------	----------------------------------



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% LAMBDACYHALOTHRIN

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
-------	-------------



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: 3006150055021

Internal parasite control is the cornerstone of an effective animal health program. Powered by fenbendazole, Safe-Guard® (fenbendazole) works differently than macrocyclic lactones, which have resistance issues due to overuse.* Safe and proven to work fast, they go straight to the gut, killing the worms where they live, ultimately reducing pasture contamination.

Handling Available in multiple drench and paste formulations.



Safe-Guard® (fenbendazole) Suspension (Drench)¹

A single application, low-dose volume suspension with easy-to-use applicator gun for accurate, stress-free deworming. One liter deworms 4,347 lb. of cattle; one gallon deworms 164,565 lb. (2.3ml/100 lb. of cattle).¹

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



Safe-Guard® (fenbendazole) Paste¹

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 12,100 lb. of cattle.¹

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

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

92 gm syringe	UIN: 066958 UPC: 021784471923
---------------	----------------------------------

Non-Handling Available in a wide variety of formulations, the non-handling forms provide all the benefits of an effective deworming without all the labor, handling and stress.



Safe-Guard® (fenbendazole) Protein Block³

Comes in highly palatable, 25 lb. block of Safe-Guard 20% protein. One block treats 8,000 lb. (500 lb. of cattle per 1.5 lb.).³

25 lb. block	UIN: 069290 UPC: 021784464253
--------------	----------------------------------



Safe-Guard® (fenbendazole) En-Pro-Al® Molasses Block²

Comes in highly palatable, 25 lb. block of En-Pro-Al soft-poured molasses. One block treats 8,000 lb. (500 lb. of cattle per 1.5 lb.).²

25 lb. block	UIN: 069291 UPC: 021784801256
--------------	----------------------------------



Safe-Guard® (fenbendazole) Free-Choice Mineral⁴

Available in a 25 lb. plastic pail of 20% salt and is the only dewormer available in a free-choice mineral form. Feed over a three- to six-day period; eight oz per 500 lb. of cattle.⁴

25 lb. pail	UIN: 069288 UPC: 021784459259
-------------	----------------------------------



Safe-Guard® (fenbendazole) Range Cubes

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.⁴ Available through authorized distributors and feed manufacturers.

50 lb. bag	UPC: Varies by manufacturer
------------	-----------------------------



Safe-Guard® (fenbendazole) 0.5% Dewormer Pellets

Available in 10 lb. bags of 0.5% (fenbendazole) alfalfa-based pellets. One pound deworms 1,000 lb. of cattle.⁴

10 lb. bag	UIN: 056698 UPC: 021784068161
------------	----------------------------------

Additional non-handling dewormers featuring Safe-Guard are available through authorized feed manufacturers and distributors in multiple forms and concentrations, including: pellets, meal, mineral and range cubes. Formulations and concentrations may vary by company so follow label directions for use. Contact your animal health representative for more information.

¹ Bliss, D. H., Ph.D. (2008). Parasite Resistance in US Cattle. The AABP Proceedings, 41, 109-114. Retrieved September 21, 2017.

² Safe-Guard Drench and Paste:
RESIDUE WARNING: Cattle must not be slaughtered within 8 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.

³ Safe-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.

Consult your local veterinarian for assistance in the diagnosis, treatment and control of parasitism.

⁴ Safe-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.

⁵ Safe-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.

For additional information please visit us online:
www.merck-animal-health-usa.com

The Science of Healthier Animals

2 Giralda Farms • Madison, NJ 07940 • merck-animal-health-usa.com • 800-521-5767
Copyright © 2017 Intervet Inc., d/b/a/ Merck Animal Health, a subsidiary of Merck & Co., Inc.
All rights reserved. 17-MERCK-3727-OTCPRODUCTGUIDE.US/ALL/1117/0070

