

Moraxella bovoculi Bacterin

World's First Commercially Available Moraxella bovoculi Pinkeye Preventative!

- **8 Different M. bovoculi Isolates**
- **Cost Effective for All Cattle Herds**
- **Proven Safety Record**
- **More Convenient than Autogenous Programs**



Addison Biological Laboratory, Inc. announces the approval of the world's first commercial *Moraxella bovoculi* vaccine for the prevention of pinkeye in cattle. This USDA conditionally licensed product is the first of this kind. Previously the only method of prevention against *Moraxella bovoculi* was autogenous services. This vaccine signifies a breakthrough in convenience for the large number of veterinarians and herd owners battling the challenging problem of pinkeye caused by *Moraxella bovoculi*. This product license is conditional; efficacy and potency have not been fully demonstrated.



From the LEADERS in pinkeye prevention!



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Notice to Readers

All statements, opinions and conclusions contained in articles in *The Bovine Practitioner* are those of the author(s), and are not necessarily those of the American Association of Bovine Practitioners (AABP) unless specifically approved by the AABP Board of Directors.



DEAR CATTLE VETS OF AMERICA,

We admire and appreciate the tireless work you do every day. As a company founded BY VETS, FOR VETS, we know keeping cattle healthy and thriving isn't easy. That's why WE'LL BE BETTER TOGETHER.

We go above and beyond to provide the products, expertise and SUPPORT YOU NEED to succeed - from anticipating your needs to offering tailored experiences. After more than 50 YEARS of helping animals around the world, we want to emphasize that WE'RE HERE FOR YOU, committed to your growth and that of your customers, for the long haul.

Your industry ally,
Virbac



For more details, visit vet-us.virbac.com/cattle

LONGRANGE® (eprinomectin)

5% Sterile Solution Extended-Release Injectable For Subcutaneous Use Parasiticide for Cattle on Pasture

For the Treatment and Control of Internal and External Parasites of Cattle on Pasture with Persistent Effectiveness

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.

INDICATIONS FOR USE

LONGRANGE, when administered at the recommended dose volume of 1 mL per 110 lb (50 kg) body weight, is effective in the treatment and control of the following internal and external parasites of cattle:

Gastrointestinal Roundworms	Lungworms
<i>Bunostomum phlebotomum</i> – Adults and L ₄	<i>Dictyocaulus viviparus</i> – Adults
<i>Cooperia oncophora</i> – Adults and L ₄	
<i>Cooperia punctata</i> – Adults and L ₄	
<i>Cooperia surmabada</i> – Adults and L ₄	Grubs
<i>Haemonchus placei</i> – Adults	<i>Hypoderma bovis</i>
<i>Oesophagostomum radiatum</i> – Adults	
<i>Ostertagia lyrata</i> – Adults	Mites
<i>Ostertagia ostertagi</i> – Adults, L ₄ and inhibited L ₄	<i>Sarcoptes scabiei</i> var. <i>bovis</i>
<i>Trichostrongylus axei</i> – Adults and L ₄	
<i>Trichostrongylus colubriformis</i> – Adults	

DOSAGE AND ADMINISTRATION

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.

Body Weight (lb)	Dose Volume (mL)
110	1
220	2
330	3
440	4
550	5
660	6
770	7
880	8
990	9
1100	10

Do not underdose. Ensure each animal receives a complete dose based on a current body weight. Underdosing may result in ineffective treatment, and encourage the development of parasite resistance.



WARNINGS AND PRECAUTIONS

Withdrawal Periods and Residue Warnings

Animals intended for human consumption must not be slaughtered within 48 days of the last treatment. This drug product is not approved for use in female dairy cattle 20 months of age or older, including dry dairy cows. Use in these cattle may cause drug residues in milk and/or in calves born to these cows. A withdrawal period has not been established for pre-ruminating calves. Do not use in calves to be processed for veal.

User Safety Warnings

Not for Use in Humans. Keep this and all drugs out of the reach of children. Reproductive and developmental toxicities have been reported in laboratory animals following high, repeated exposures to N-methyl-2-pyrrolidone (NMP). Pregnant women should wear gloves and exercise caution or avoid handling this product. The Safety Data Sheet (SDS) contains more detailed occupational safety information.

To report adverse effects, to obtain an SDS, or for assistance, contact Boehringer Ingelheim Animal Health USA Inc. at 1-888-637-4251. For additional information about adverse drug experience reporting for animal drugs, contact FDA at 1-888-FDA-VETS or www.fda.gov/reportanimalae.

Animal Safety Warnings and Precautions

The product is likely to cause tissue damage at the site of injection, including possible granulomas and necrosis. These reactions have disappeared without treatment. Local tissue reaction may result in trim loss of edible tissue at slaughter.

Observe cattle for injection site reactions. If injection site reactions are suspected, consult your veterinarian. This product is not for intravenous or intramuscular use. Protect product from light. LONGRANGE® (eprinomectin) has been developed specifically for use in cattle only. This product should not be used in other animal species.

When to Treat Cattle with Grubs

LONGRANGE effectively controls all stages of cattle grubs. However, proper timing of treatment is important. Consult your veterinarian concerning the proper time for treatment.

Environmental Hazards

Not for use in cattle managed in feedlots or under intensive rotational grazing because the environmental impact has not been evaluated for these scenarios.

Other Warnings: Parasite resistance may develop to any dewormer, and has been reported for most classes of dewormers.

Fecal examinations or other diagnostic tests and parasite management history should be used to determine if the product is appropriate for the herd/flock, prior to the use of any dewormer. Following the use of any dewormer, effectiveness of treatment should be monitored (for example, with the use of a fecal egg count reduction test or another appropriate method).

A decrease in a drug's effectiveness over time as calculated by fecal egg count reduction tests may indicate the development of resistance to the dewormer administered. Your parasite management plan should be adjusted accordingly based on regular monitoring.

Macrocyclic lactones provide prolonged drug exposure that may increase selection pressure for resistant parasites. This effect may be more pronounced in extended-release formulations.

TARGET ANIMAL SAFETY

Not for use in bulls, as reproductive safety testing has not been conducted in males intended for breeding or actively breeding. Not for use in calves less than 3 months of age because safety testing has not been conducted in calves less than 3 months of age.

STORAGE

Store at 77° F (25° C) with excursions between 59° and 86° F (15° and 30° C). Protect from light. This information is not comprehensive. Consult your veterinarian for more information. Visit <https://bi-animalhealth.com/cattle/products/longrange> for the FDA approved product label.

Approved by FDA under NADA # 141-327

Marketed by: Boehringer Ingelheim Animal Health USA Inc., Duluth, GA 30096

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Cattle First.



INVESTING IN LONGRANGE® [EPRINOMECTIN]
DOESN'T JUST TIP THE SCALES IN YOUR FAVOR.

IT DARN NEAR BREAKS THEM.

*PROVEN TO PAY OFF IN
POUNDS AND DOLLARS.
CALCULATE THE RETURN
FOR YOUR HERD.*

Getting more from your dewormer starts with a proven investment. LONGRANGE is the first and only dewormer that provides up to 150 days of parasite control.¹ It's how top producers help their herds pack on the pounds, and in turn, bank more bucks. LONGRANGE is the difference between being average and being at the top of your game. So, next time you're deworming cattle, don't just get the job done.

Get it outdone.



longrangecalculator.com

OUTLAST. OUTPERFORM. OUTDO.

LONGRANGE IMPORTANT SAFETY INFORMATION: Do not treat within 48 days of slaughter. Not for use in female dairy cattle 20 months of age or older, including dry dairy cows, or in veal calves. Post-injection site damage (e.g., granulomas, necrosis) can occur. These reactions have disappeared without treatment. 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. Pregnant women should wear gloves and exercise caution or avoid handling this product.

¹ Dependent upon parasite species, as referenced in FOI summary and LONGRANGE product label.