

HerdFirst™ Early Calf 22.5:20



HerdFirst™ was created with you and your calves in mind. Our team understands that the most advanced calf and heifer raisers need products that enable their animals, and their business, to thrive. This new line of premium feeds is formulated with the latest research in calf nutrition, and backed by world-class innovation from Cargill, to help calves reach optimal average daily gain at each stage of life.

HerdFirst™ Early Calf 22.5:20 is designed to provide nutrition to support health in the first few weeks of life. Built from our latest proprietary research, this milk replacer contains several key features and benefits.

- Provides support for enteric and overall health during the critical first few weeks of life
- A highly digestible protein source delivers a daily source of plasma and serum for healthy intestinal environment
- Formulated with Diamond V SmartCare® for prebiotic and antioxidant activity to support gut health and balanced immunity
- Medicated with Bovatec® for control of coccidiosis¹
- Highly fortified with vitamins and essential trace minerals to support growth and calf health
- Contains organic selenium for optimal selenium absorption and utilization
- Instantized manufacturing process for ease of mixing in warm water (110°F to 115°F)
- Available with ClariFly® Larvicide during the summer months*

HerdFirst™ Enhancer and HerdFirst™ Fortifier are available with Early Calf technology. They are designed to be added to whole milk to provide nutritional support for optimal calf health and development in the first few weeks of life and enhance the consistency of milk solids.

MANAGEMENT TIPS

- Offer fresh, clean water at all times
- A high quality feed, such as HerdFirst™ Starter, should be introduced by three days of age
- Refresh feed daily

HER FUTURE DEPENDS ON NOW



¹WARNING: A withdrawal period has not been established for this product in pre-ruminating cattle. Do not use in calves to be processed for veal. **CAUTION:** The safety of lasalocid in unapproved species has not been established. Do not allow horses or other equines access to feeds containing lasalocid as ingestion may be fatal.

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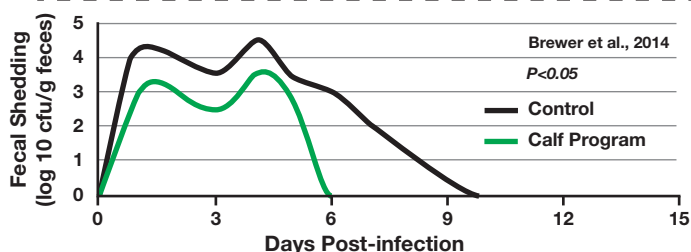
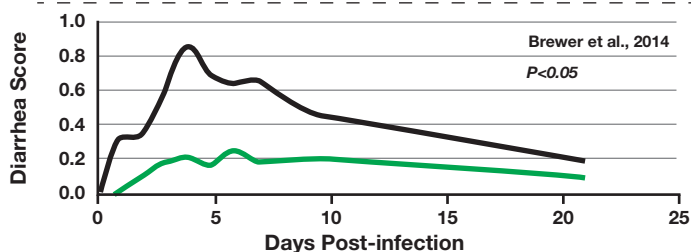
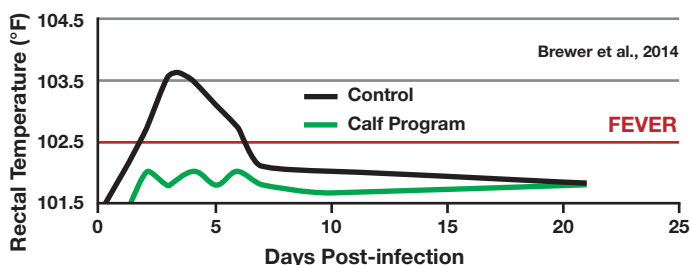
SmartCare® for calf performance

HerdFirst™ Early Calf technologies are formulated with Smartcare® to support calf immunity, health and performance. This technology

consists of proven Diamond V functional metabolites and new fermentation metabolites with enhanced antioxidant capacity. These components work together to support calf immunity, health, and performance by:

- Promoting a healthy balance of the gastrointestinal microbiota, which maximizes production of VFA (volatile fatty acid), including butyrate
- Providing high levels of antioxidants, which promotes a balanced immune system
- Optimizing rumen and intestinal morphology, which supports robust digestive health and calf performance

In the trial shown below, calves were fed SmartCare® and dosed with *Salmonella*. The results below show fever reduction, scours reduction and reduced pathogen shedding, which helps reduce spread of *Salmonella*.



Mixing and feeding directions:

EARLY CALF 22.5:20 MILK REPLACER

Hand feed at a rate of 1 mg of lasalocid per 2.2 pounds of body weight per day. Thoroughly mix this milk replacer powder with warm water and feed immediately. When preparing large batches (i.e., anything other than individual calf servings), keep the mixture agitated while dispensing into individual feeding containers to prevent settling. One pound of this milk replacer powder will medicate 80 pounds of body weight.

Mix 10 oz (0.625 lbs) of milk replacer powder into 2 quarts of 110°F water. Feed twice daily at 100°F-105°F to a 100-pound calf. Adjust quantity based on calf weight.

Additional directions for ClariFly® version:

Feed to supply sufficient diflubenzuron to prevent the emergence of adult house flies, stable flies, horn flies, and face flies from manure of treated cattle.

EARLY CALF ENHANCER

Hand feed at a rate of 1 mg of lasalocid per 2.2 pounds of body weight per day. Thoroughly mix this milk replacer powder with warm water and feed immediately. When preparing large batches (i.e., anything other than individual calf servings), keep the mixture agitated while dispensing into individual feeding containers to prevent settling. One-half pound of HerdFirst™ Early Calf Enhancer powder daily will medicate 150 pounds of body weight.

Add 0.5 pounds HerdFirst™ Early Calf Enhancer to low solids whole milk totaling 4 or more quarts of whole milk per calf per day. Split this amount evenly between the number of feedings per calf per day. Consult with your nutritionist to establish minimum and maximum total solids and percent solids fed. Fresh, clean water must be available continuously. Do not feed more than 0.5 pounds of HerdFirst™ Early Calf Enhancer per calf per day.

EARLY CALF FORTIFIER

Add 30 grams of HerdFirst™ Early Calf Fortifier powder per 2 quarts of pasteurized whole milk. Feed twice daily.

Call your local Cargill calf and heifer specialist to develop a program that is right for your calves. Visit PutYourHerdFirst.com to learn more about how HerdFirst™ can help your herd thrive.

SmartCare® is a registered trademark of Diamond V®, Bovatec® is a registered trademark of Zoetis, ClariFly® and ClariFly Larvicide® with design are registered trademarks of Wellmark International. ©2018 Cargill Inc. All rights reserved.