

SEVERE SCOURS doesn't have to be a death sentence

The first few months of a calf's life are critical. Harmful pathogens attack the digestive system before the immune system is fully developed and active. Diarrhea, known as scours, is a common symptom of severe sickness that can end in death. Too often, remedies such as antibiotics, electrolytes, and colostrum supplements aren't enough in the battle against severe scours and malnutrition. Now there's Last Stand® with ImmWave® – an innovative, powerful, all-natural product to use when you need to save the life of a sick calf.

Other innovative DBC products for beef and dairy

First Arrival® Bolsters immune system to help avoid scours. Contains Encrypt®[®], micro-encapsulated lactic acid producing bacteria, targeted egg proteins, and Vitamins A, D, and E.

NutriCalf™ Colostrum supplement. Excellent addition to all qualities of colostrum. Designed to deliver highly digestible energy during the calf's first day of life.

Direct Balance™ Nutrient-rich supplement that supports the calf's developing immune system until weaning, helping to face the challenges of stress and disease so it can reach full genetic potential.

MicroDirect® For lactating and dry cows. Multi-functional, micro-encapsulated microbial and enzyme additive aids digestion for cows on any diet.

Frontal Assault™ For all cattle during stressful transition periods. Contains a broad-based enzyme package, Encrypt®[®], targeted egg proteins, live yeast, and micro-encapsulated lactic acid producing bacteria.

Last Stand®
EMERGENCY RESPONSE FOR SEVERE SCOURS

**when scours, malnutrition,
and disease threaten
a calf's life, and other
remedies are not enough**

DBC
Ag Products

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scours kills calves and profits

Scours and malnutrition impact over 28% of all beef and dairy calves born in the US, costing the industry over \$120 million every year. Total calf mortality exceeds 8%. In fact, the USDA NAHMS Dairy 2007 Study revealed of the 7.8% death loss in heifers, scours was the major cause.

■ **56.5% from scours, diarrhea, and other digestive problems**

Unfortunately, common remedies such as antibiotics and electrolytes, used to fight the pathogens that cause scours often fail to save the calf.

engineered to save lives

Given orally to a severely sick calf, all-natural Last Stand® with ImmWave® targets harmful pathogens in the gut and delivers key components directly into the bloodstream, enhancing the response of the immune system to jump-start recovery. Last Stand with ImmWave is a specifically formulated combination of new and proven technology, including select milk proteins, Encrypt®, multiple targeted egg proteins, host-specific micro-encapsulated bacteria, Vitamin B complex and Vitamin D₃. Last Stand with ImmWave is a powerful and wise investment in your battle to save every calf, improve productivity, and increase profitability.

provides rapid response

With the addition of ImmWave, Last Stand is now an even more powerful lifesaver. ImmWave is a novel technology brought to you by DBC Ag Products that provides potent, select milk proteins designed to give an immediate boost to the calf's immune system. It fortifies a young calf's developing immune system



to aid in the fight to survive. And it enables a severely sick calf to battle life-threatening pathogens that can lead to death. The multi-faceted formulation of Last Stand with ImmWave delivers the following key benefits in your battle to save critically ill calves.

- **targets harmful pathogens**
- **strengthens the immune system**
- **establishes intestinal balance**
- **speeds recovery**
- **complements antibiotics and electrolytes**
- **all-natural ingredients**
- **no withdrawal necessary**

easy to use

Last Stand with ImmWave is recommended for use in beef and dairy calves suffering from scours and malnutrition. Last Stand is an all-natural, targeted feed supplement. It comes in a convenient 60g, single-dose tube. Simply administer entire contents of tube orally. Repeat as needed. Not recommended to exceed three consecutive days for each event. We suggest that producers keep several doses on hand for quick response to life-and-death emergencies.



more information

We specialize in biotechnology solutions based on practical research and proven technology to meet animal health needs. To learn more about Last Stand with ImmWave and other innovative products from DBC Ag Products, visit dbcAgProducts.com or call **717-509-5724**. Ask your animal health supplier for Last Stand with ImmWave.

 **Last Stand**[®]
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