

BUILD A BETTER HEIFER™



MANAGEMENT AND ENVIRONMENTAL EVENTS



What CHALLENGES can be attributed to Management & Environmental Events?

In the young calf, multiple energy dependent processes, such as development of the absorptive surface of the gut and immune system, skeletal and muscular growth, early rumen development, and management practices that cause calf stress leading up to weaning, are occurring simultaneously.

The last thing you want during this time is for pathogens to establish themselves in the gut. Disease causing pathogens are dually dangerous as they can attach and cause damage at the absorptive surface of the gut making it hard for the calf to absorb energy from its diet. They also make it necessary for the calf to mount an immune response further taxing vital energy reserves.

What is the SOLUTION?

To keep pathogens from interrupting these essential processes, bio-active feed additives have shown promise in minimizing their impact.

Direct Fed Microbials (DFM's, probiotics, beneficial bacteria)

When fed in adequate inclusion rates, DFM's inhibit pathogens in the gut by competitive exclusion and altering the enteric environment (small intestine in the young calf – rumen in the older calves) to favor beneficial microflora. Providing an optimal level of live beneficial bacteria can jump-start a calf's stalled digestive system. In addition, a healthy microbial population promotes increased feed intake, weight gain, and feed efficiency.

Essential Oils (botanical, plant extracts) Offers strong anti-bacterial effect cleansing pathogens; thus, creating an environment for good bacteria to thrive.

Oral Electrolytes Regardless of the cause, diarrhea results in increased loss of electrolytes and water in the feces of calves and decreases milk intake. Ultimately, this process causes dehydration, metabolic acidosis (the blood is more acidic than it should be), electrolyte abnormalities, including a critical sodium deficiency, and a negative energy balance from the lost nutrients and lack of milk. Oral electrolyte solutions have typically been used to restore fluids, correct the pH and electrolyte levels in the blood, and provide nutritional support with the added benefit of being relatively inexpensive and easy to administer.

Calf Housing Healthy calves are a direct result of comfort and climate. Adequate space, clean, dry bedding, and proper ventilation are key. These factors, combined with proper management practices, have resulted in lower mortality, morbidity, and overall treatment costs leading to enhanced growth.



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Accelerated Genetics solutions offer the support your calves need to avoid the risk of challenges that can negatively affect their entire lifecycle. These products are designed to assist during periods of intense stress such as environmental challenges, feed challenges, and high instances of morbidity of mortality.

Event	Solution	Description	Package Size
Digestive Upset (Scours)	TRI-PURIFY (bolus capsule) Adminster one capsule when scours are present followed by a second capsule 12 hours later if needed.	Dietary Supplement that provides pure, natural essential oils that have a strong antibacterial effect to improve the natural immune system.	36 ct. jar
Periods of Stress transition to dry feed, antibiotic treatment, transport, weaning, dehorning, castrating, weather changes, branding	TRI-START JR. (bolus capsule) Adminster one capsule during periods of stress.	A (DFM) bolus that benefits both the rumen and intestinal tract and stimulates feed intake 20 billion CFU's/bolus	36 ct. jar
Periods of Stress transition to dry feed, antibiotic treatment, transport, weaning, dehorning, castrating, weather changes, branding	TRI-MIC WD (water dispersible) Daily use at 1 gram/head/day added to milk, milk replacer, water, or electrolyte solutions Increase to 2 grams per day during periods of change	A source of probiotics that improves calf performance by increasing feed intake, weight gain, and feed efficiency	500 gr jar 5 kg pail
Scours, Dehydration, Heat Stress	CALF ACCELLYTE (water dispersible) Add 80 grams (2 scoops) per 2 quarts of water	A soluble powder to be added to water for young calves needing supplemental fluids, electrolytes, and energy	3.3 lb. jar 10 lb. pail 25 lb. pail
Scours, Dehydration, Heat Stress	BOVINE ACCELLYTE II (water dispersible) Daily use 1/4 - 1/2 oz./head/day	A specialized electrolyte for periods of stress, rehydration and pre-hydration	10 lb. pail 25 lb. bag

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