



LIRA GOLD® HydroLyte COW™

Contains ReaShure® and NiaShure™

A Premium Source of Critical Nutrients and Essential Minerals for Dairy Animals during Times of Stress.



LIRA GOLD® HydroLyte COW™ is a nutritional supplement and electrolyte supplement that is specifically designed to provide hydration and key nutrients in cows during times of increased stress. Specially selected, highly bioavailable ingredients target dehydration, energy imbalances, and metabolic disorders that can lead to major health problems and decreased performance that can lead to lower profits.

Routinely adding **LIRA GOLD® HydroLyte COW™** to your feeding program during freshening, transitioning, transportation and especially for periods of high heat can provide the support needed to help avoid dehydration, reduce the risk of metabolic disorders and help improve not only milk production but also reproductive efficiency and overall animal health.

Available in 12.5 lb foil, re-closable, stand-up pouches (4 per case) and 50 lb foil, laminate bags designed to maintain product stability and eliminate moisture driven caking.

Key Features/Benefits:

- ◆ **Proprietary electrolyte formulation ensures balanced supplementation of salt, potassium and chloride**
 - Helps ensure enhanced electrolyte balance and fluid retention
 - Aids in offsetting performance drops associated with dehydration and heat stress
- ◆ **ReaShure® Precision Release Choline**
 - Proven to help cows maintain better energy balance during transition
 - Helps reduce the risk of metabolic disorders
 - Supports higher milk production, reproductive efficiency and overall animal health
- ◆ **NiaShure™ Precision Release Niacin**
 - Encapsulated to ensure stability and increase availability
 - Shown to be almost 85% rumen stable
 - Delivers 8X more bioavailable niacin to the small intestine than raw niacin, NiaShure™ overcomes rumen degradation for a more efficient delivery of this critical nutrient
 - Helps dissipate the effects of heat stress
- ◆ **Balanced package of essential vitamins and minerals**
 - Specially formulated to target key nutrient deficiencies that occur during times of stress, especially when temperatures are high
 - Providing additional nutrient support helps offset the negative impacts on performance and health due to increased demands on the cows system during stressful periods

Feeding Directions:

Add **LIRA GOLD® HydroLyte COW™** as a part of a routine feeding program during times when cows may become dehydrated, during freshening/transition and any other times of stress when cows need additional supplementation, especially when high temperatures lower DMI (dry matter intake) and decrease milk production.

Mix or top dress one heaping scoop (delivers approximately 1 ounce of **LIRA GOLD® HydroLyte COW™**) to the feed per cow each day. One 12.5 lb bag of **LIRA GOLD® HydroLyte COW™** will provide enough to treat 200 cows. Each 50 lb bag provides 800 doses of **LIRA GOLD® HydroLyte COW™**.

NiaShure™ and ReaShure® are trademarks of Balchem Encapsulates, New Hampton, NY

LIRA GOLD® HydroLyte COW™ is available in 50 lb. foil, laminate bags and convenient-to-use 12.5 lb. foil, re-closable, stand-up pouches (4 per case). Both packages feature a one-way valve that allows air and humidity to escape and not re-enter, thus providing enhanced storage stability and preserving freshness until use.

Signs Of Heat Stress In Dairy Cows

- Increased water intake and reduced DMI (dry matter intake)
- Increased respiration rate (>80 breaths per minute, normal = 30 BPM)
- Increased body temperature (>102.5° F, normal = 101.5° F)
- Standing rather than lying down in order to try to cool off
- Reduction in time spent lying down resting
- Open-mouth panting and increased saliva production
- Decreased milk production
- Loss of milk quality – fat and protein content declines
- Decreased pregnancy rates
- Increased incidence of metabolic disorders

LIRA GOLD HydroLyte COW™

A Premium Source of Essential Nutrients and Electrolytes for Cattle

Guaranteed Analysis:

Salt (NaCl), min.	18.50%	Vitamin A, min.....	3,800,000 IU/lb
Salt (NaCl), max.	22.00%	Vitamin D3, min.	775,000 IU/lb
Sodium (Na), min.	9.00%	Vitamin E, min.	7,800 IU/lb
Sodium (Na), max.	10.00%	Niacin, min.....	2,300 mg/lb
Chloride (Cl), min.	29.00%	Choline, min.	2,300 mg/lb
Magnesium (Mg), min.	0.38%		
Potassium (K), min.	18.00%		
Manganese (Mn), min. ...	2,350 ppm		
Iron (Fe), min.	2,350 ppm		
Copper (Cu), min.	540 ppm		
Zinc (Zn), min.	2,350 ppm		
Cobalt (Co), min.	75 ppm		

with Niashure™ and Reashure®

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Ingredients: Potassium Chloride, Salt, Dextrose, Natural & Artificial Flavor, Sodium Bicarbonate, Magnesium Sulfate, Vitamin E Supplement, Choline Chloride, Iron Proteinate, Manganese Proteinate, Zinc Proteinate, Vitamin A Supplement, Calcium Silicate, Citric Acid (a preservative), Niacin Supplement, Copper Proteinate, Ascorbic Acid, Vitamin D3 Supplement, Cobalt Proteinate.

Indications: As part of a routine cattle feeding protocol, provide to dairy or beef animals when mildly to moderately dehydrated, or when critical nutrients, electrolytes, and essential minerals are warranted, especially during periods of environmental/heat stress.

Directions for Use: Feed LIRA GOLD® HydroLyte™ COW at the rate of one ounce per head daily. Top dress on feed or add directly to Total Mixed Ration (TMR). Enclosed scoop holds approximately one ounce. *Store in a cool, dry place out of reach of children - Keep bag closed when not in use.*

Manufactured for:

LIRA GOLD
NUTRITIONAL SOLUTIONS FOR HEALTH & PRODUCTIVITY

A division of Daniel Baum Company, Inc.
1383 Arcadia Rd, Ste 102 | Lancaster, PA 17601
(800) 992-3147 | www.liragold.com

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