

LIRA GOLD® E-X-T

A Premium Blend of *Saccharomyces cerevisiae*, Direct Fed Microbials and Digestive Enzymes for Bovine.

50 lb. bags, 10 lb. bags

Feeding rate: 0.8 ounce (22.68 g) per cow per day



- ◆ **Yeast** – Yeast culture and Active dry cell yeast from:
Saccharomyces cerevisiae
 - ◆ **Bacteria** – Host specific digestive bacteria (7):
Lactobacillus acidophilus, *Enterococcus faecium*,
Bifidobacterium thermophilum, *Bifidobacterium longum*,
Bacillus subtilis, *Bacillus coagulans*, *Bacillus licheniformis*
 - ◆ **Enzymes** – A full complement of digestive enzymes (8) specifically formulated for cattle and derived from *Aspergillus oryzae* & *Aspergillus niger*:
Amylase, *Protease*, *Hemicellulase*, *Phytase*, *Cellulase*, *Lipase*,
Pectinase, β -*Glucanase*
 - ◆ **Appetite stimulant** – Proven to increase dry matter intake!
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All the benefits of original Lira Gold® in a more concentrated form with several enhancements:

- The **highest** guaranteed count, 1.01 trillion CFU per pound (63.1 billion CFU per ounce)!
- Additional lactic acid forming *Bacillus* spp. (*B. coagulans* and *B. licheniformis*)
- Longer shelf life from micro-encapsulation
- Rumensin® compatibility
- Research proven results!
- Satisfaction guarantee!

Appetite stimulant:

- ↑ DMI from + 2.7 to + 4.5 lbs. daily (average = 3.6 lbs. DMI)
- ↑ milk production from + 6.1 to 9.0 lbs daily (average = 7.55 lbs. milk/cow/day)

Specific Feeding Recommendations:

- Feed **E-X-T** when increased TMR intake is desired.
- Do not feed **E-X-T** when cows are over-crowded by more than 10%.
- Provide adequate bunk space of 2 linear feet per cow and do not limit feed.

Anecdotal evidence indicates that **LIRA GOLD® E-X-T** offers the greatest value and advantage during times of:

- Heat stress
- Reduced feed intake, decreased DMI
- Early lactation weight loss

E-X-T

A PREMIUM BLEND OF SACCHAROMYCES CEREVISIAE,
DIRECT-FED MICROBIALS AND DIGESTIVE ENZYMES FOR BOVINE

Guaranteed Minimum Analysis:

Total Microbial Count..... 1.01 Trillion CFU* per pound (63.1 Billion CFU* per ounce)
(*Saccharomyces cerevisiae*, *Lactobacillus acidophilus*, *Enterococcus faecium*, *Bifidobacterium thermophilum*, *Bifidobacterium longum*, *Bacillus subtilis*, *Bacillus licheniformis*)
*Colony Forming Units

Enzyme Activity:

Amylase (*Aspergillus oryzae*)..... 225,000 µg starch hydrolyzed per minute per pound
Protease (*Aspergillus oryzae*) 30,000 µg proteins hydrolyzed per minute per pound
Hemicellulase (*Aspergillus niger*) 26,500 µg hemicellulose broken down per minute per pound
Phytase (*Schizosaccharomyces pombe*) 1,500 µg phytate hydrolyzed per minute per pound
Cellulase (*Trichoderma longibrachiatum*, *Aspergillus niger*) 12,000 µg cellulose broken down per minute per pound
Lipase (*Aspergillus oryzae*) 9,000 µg triglycerides hydrolyzed per minute per pound
Pectinase (*Aspergillus niger*)..... 6,000 µg pectin broken down per minute per pound
β-Glucanase (*Aspergillus niger*) 2,625 µg β-glucans hydrolyzed per minute per pound

Ingredients: Yeast Culture, Corn Distillers Dried Grains with Solubles, Active Dry Yeast, Dried Molasses, Natural and Artificial Flavor, Dried Kelp, *Yucca schidigera* Extract, Dried *Aspergillus niger* Fermentation Extract, Dried *Aspergillus oryzae* Fermentation Extract, Dried *Lactobacillus acidophilus* Fermentation Product, Dried *Enterococcus faecium* Fermentation Product, Dried *Bifidobacterium thermophilum* Fermentation Product, Dried *Bifidobacterium longum* Fermentation Product, Dried *Trichoderma longibrachiatum* Fermentation Extract, Dextrose, Dried *Bacillus subtilis* Fermentation Product, Calcium Carbonate, Dried *Bacillus licheniformis* Fermentation Product, Dried *Schizosaccharomyces pombe* Fermentation Soluble.

Use Directions: *LIRA GOLD® E-X-T* is formulated for use in dairy feeding programs as a supplementary source of live (viable) direct-fed microorganisms and digestive enzymes. Top dress *LIRA GOLD® E-X-T* over daily feed or blend in grain concentrate or total mixed ration (TMR) to achieve a usage rate of 0.8 ounces (22.68 grams) per head daily during transition and lactation. Feeding rate may be safely doubled during pre-fresh and early lactation if desired. Use the following chart as a blending guide.

Blending <i>LIRA GOLD® E-X-T</i> in Feed Concentrate								
Pounds of Feed Concentrate Consumed per Head per Day:	6	8	10	12	15	20	25	30
Pounds of <i>LIRA GOLD® E-X-T</i> per ton of Feed Concentrate (0.8 oz/head daily):	16.7	12.5	10	8.4	6.7	5	4	3.4
Blending <i>LIRA GOLD® E-X-T</i> in Total Mixed Rations (TMR)								
Number of Cows Fed per TMR Batch:	50	100	150	200	250	300	500	
Pounds of <i>LIRA GOLD® E-X-T</i> per TMR Batch (0.8 oz/head daily):	2.5	5	7.5	10	12.5	15	25	

For more specific instructions or instructions pertaining to other uses, please contact your *LIRA GOLD* sales representative.

Lot No:



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