

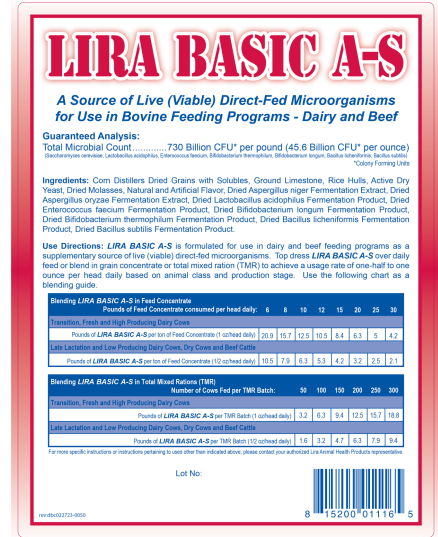
# LIRA BASIC A-S

**A Source of Live (Viable) Direct Fed Microorganisms for Use in Bovine Feeding Programs – Lactation, Dry, and Beef.**

**50 lb. bags**

**Feeding rate:** ½ to 1 ounce per cow per day  
1½ ounce to pre-fresh and fresh cows per day

- ◆ **Yeast** – Yeast culture and Active dry cell yeast from: **Saccharomyces cerevisiae**
- ◆ **Bacteria** – Host specific digestive bacteria (5): **Lactobacillus acidophilus, Enterococcus faecium, Bifidobacterium thermophilum, Bifidobacterium longum, Bacillus subtilis**
- ◆ **Enzymes** – A complement of digestive enzymes (5) specifically formulated for cattle and derived from *Aspergillus oryzae* & *Aspergillus niger*: **Amylase, Protease, Cellulase, Lipase, Pectinase**
- ◆ **Appetite stimulant** – Proven to increase dry matter intake!



**Lira Basic A-S** delivers a researched level of live-cell yeast, direct-fed microbials and approximately half the level of digestive enzymes as original Lira Gold® in a 1 oz./head/day feeding. **Lira Basic A-S** is an economical alternative to original Lira Gold® and Lira Gold E-X-T for the producer who desires to enhance rumen function with moderate digestive enzyme activity, and an appetite stimulant. Key features: Longer shelf life from micro-encapsulation, Rumensin® compatibility, Research proven results, and the Lira Gold Satisfaction Guarantee!

Expected responses from feeding **Lira Basic A-S**:

- Dairy Cows
  - Enhanced digestive efficiency
  - Improved rumen microbial health
  - “On feed” during times of stress
- Beef Cattle
  - Improved rumen microbial health
  - Higher average daily gain (ADG)
  - Improved feed efficiency (FE)

**Expected responses from the appetite stimulant (A-S):**

- ↑ **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)**

Feeding Recommendations (see label for specific instructions):

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

Anecdotal evidence indicates that **LIRA Basic A-S** offers the greatest value and advantage during times of:

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

# LIRA BASIC A-S

**A Source of Live (Viable) Direct-Fed Microorganisms  
for Use in Bovine Feeding Programs - Dairy and Beef**

**Guaranteed Analysis:**

Total Microbial Count.....730 Billion CFU\* per pound (45.6 Billion CFU\* per ounce)  
(Saccharomyces cerevisiae, Lactobacillus acidophilus, Enterococcus faecium, Bifidobacterium thermophilum, Bifidobacterium longum, Bacillus licheniformis, Bacillus subtilis)  
 \*Colony Forming Units

**Ingredients:** Corn Distillers Dried Grains with Solubles, Ground Limestone, Rice Hulls, Active Dry Yeast, Dried Molasses, Natural and Artificial Flavor, Dried Aspergillus niger Fermentation Extract, Dried Aspergillus oryzae Fermentation Extract, Dried Lactobacillus acidophilus Fermentation Product, Dried Enterococcus faecium Fermentation Product, Dried Bifidobacterium longum Fermentation Product, Dried Bifidobacterium thermophilum Fermentation Product, Dried Bacillus licheniformis Fermentation Product, Dried Bacillus subtilis Fermentation Product.

**Use Directions:** *LIRA BASIC A-S* is formulated for use in dairy and beef feeding programs as a supplementary source of live (viable) direct-fed microorganisms. Top dress *LIRA BASIC A-S* over daily feed or blend in grain concentrate or total mixed ration (TMR) to achieve a usage rate of one-half to one ounce per head daily based on animal class and production stage. Use the following chart as a blending guide.

Blending <i>LIRA BASIC A-S</i> in Feed Concentrate								
Pounds of Feed Concentrate consumed per head daily:	6	8	10	12	15	20	25	30
<b>Transition, Fresh and High Producing Dairy Cows</b>								
Pounds of <i>LIRA BASIC A-S</i> per ton of Feed Concentrate (1 oz/head daily)	20.9	15.7	12.5	10.5	8.4	6.3	5	4.2
<b>Late Lactation and Low Producing Dairy Cows, Dry Cows and Beef Cattle</b>								
Pounds of <i>LIRA BASIC A-S</i> per ton of Feed Concentrate (1/2 oz/head daily)	10.5	7.9	6.3	5.3	4.2	3.2	2.5	2.1

Blending <i>LIRA BASIC A-S</i> in Total Mixed Rations (TMR)							
Number of Cows Fed per TMR Batch:	50	100	150	200	250	300	
<b>Transition, Fresh and High Producing Dairy Cows</b>							
Pounds of <i>LIRA BASIC A-S</i> per TMR Batch (1 oz/head daily)	3.2	6.3	9.4	12.5	15.7	18.8	
<b>Late Lactation and Low Producing Dairy Cows, Dry Cows and Beef Cattle</b>							
Pounds of <i>LIRA BASIC A-S</i> per TMR Batch (1/2 oz/head daily)	1.6	3.2	4.7	6.3	7.9	9.4	

For more specific instructions or instructions pertaining to uses other than indicated above, please contact your authorized Lira Animal Health Products representative.

Lot No:



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