

# Buffer-lyx™

#211B, #213B, #217B, #216B

## PROFILE

CRYSTALYX® BUFFER-LYX™ is a unique, nutrient dense, formulation specifically designed for lactating dairy cows that have the potential for experiencing subacute ruminal acidosis (SARA). BUFFER-LYX™ is formulated with rumen buffering ingredients to maintain maximum levels of feed intake and promote increased milk production while minimizing disorders often associated with high-producing dairy cows.



## FEEDING APPLICATIONS:

- Lactating Dairy Cows

## ABOUT THE PRODUCT:

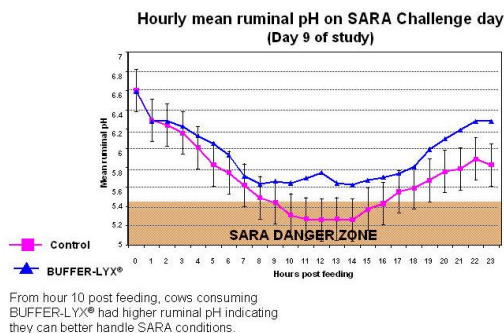
### Convenient & Reliable

- BUFFER-LYX™ is a free-choice supplement for high-producing lactating dairy cattle that are subject to conditions of SARA.

### Aid in Prevention of Lameness

- Contains Zinpro's® organic trace minerals
- Inorganic zinc and a blend of both organic and inorganic iodine fortification helps increase cow longevity by maintaining healthy feet and hooves.
- Formulated bicarbonate & increased saliva production from licking help promote improved buffering thus reducing acidosis and related lameness problems by cows experiencing SARA (*research patent pending*).

## Research Results



### Product Numbers

- #211B – BUFFER-LYX™, 250 lb
- #213B – BUFFER-LYX™, 125 lb
- #217B – BUFFER-LYX™, 60 lb (w/lid)
- #216B – BUFFER-LYX™, 60 lb (w/out lid)

## RESULTS BY THE BARREL™

### Free Choice

- When following label directions & feeding guidelines, BUFFER-LYX™ provides a continuous 24/7 delivery of key nutrients to all cows regardless of sorting issues or social dominance. This nutrient availability will help avoid comprised health status and optimize milk production & quality indices.

### Buffers/Feed Intake

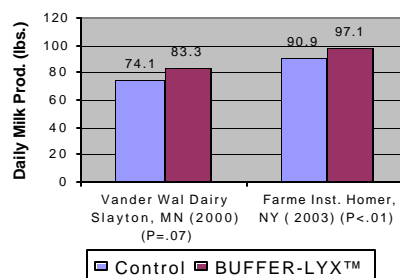
- Formulated buffering & alkalinizing ingredients assist in avoiding and combating bouts of SARA.
- Licking action encourages saliva flow acting as a natural buffer. Research shows buffers will reduce acidosis and stimulate feed intake.
- Maintaining rumen pH above 5.5 helps keep cows on a more consistent & higher level of feed intake resulting in increased milk production and reduced metabolic and other health disorders.

### Weather-Resistant

The durable steel barrel easily stands up to deteriorating lot, pasture or barn conditions. Furthermore, all CRYSTALYX® products are weather-resistant and provide consistent nutrient availability in weather extremes from hot to cold & dry to wet conditions.

Dairy

### BUFFER-LYX™ Studies with Mature Dairy Cows



CRYSTALYX® 50-400

-continued on reverse side

## NUTRIENT ANALYSIS:

Crude Fat, min .....	3.0%
Crude Fiber, max.....	2.0%
Acid Detergent Fiber (ADF), max.....	2.5%
Calcium (Ca), min .....	1.5%
Calcium (Ca), max.....	2.0%
Potassium (K), min .....	2.0%
Magnesium (Mg), min .....	2.0%
Cobalt (Co), min.....	25 ppm
Copper (Cu), min .....	125 ppm
Iodine (I), min.....	50 ppm
Manganese (Mn), min.....	175 ppm
* <b>Selenium (Se)*, min.....</b>	<b>11.8 ppm</b>
Zinc (Zn), min .....	625 ppm
Vitamin A, min.....	100,000 IU/lb
Vitamin D <sub>3</sub> , min .....	40,000 IU/lb
Vitamin E, min .....	200 IU/lb

\* All CRYSTALYX® Brand Dairy Supplements have selenium levels that comply with regional, state and national regulatory guidelines. Please read the label for the selenium level in CRYSTALYX® Brand Dairy Supplements for your area.

## INGREDIENTS:

Molasses products, sodium sesquicarbonate, magnesium limestone, hydrolyzed vegetable oil, magnesium oxide, calcium carbonate, zinc oxide, zinc amino acid complex, manganese amino acid complex, cobalt carbonate, cobalt glucoheptonate, ethylenediamine dihydriodide, sodium selenite, vitamin A acetate, Vitamin D<sub>3</sub> supplement, vitamin E supplement, vitamin B<sub>12</sub> supplement, menadione dimethylpyrimidinol, bisulfite, niacin, riboflavin, calcium pantothenate, choline chloride.

## FEEDING DIRECTIONS:

CRYSTALYX® Brand BUFFER-LYX™ is designed for free-choice feeding to help buffer rumen fermentation of high-producing dairy cows.

Place containers in areas that achieve desired supplement intake. Feed at the rate of one (1) 250 lb. or (1) 125 lb. container for every 20 to 30 head. A minimum of two (2) containers may be required in each free-stall pen, lot or pasture to ensure proper accessibility. Free-choice consumption will depend on size of the animals fed, seasonal weather conditions, as well as quality, source and availability of other feeds. Cattle typically consume between 0.25 and 0.75 pounds per-head, per-day.

ALL CONSUMPTION FIGURES STATED HERE ARE APPROXIMATE. PROVIDE FREE ACCESS TO FRESH, CLEAN WATER AT ALL TIMES. CRYSTALYX® BRAND BUFFER-LYX™ CONTAINS NO SALT. PROVIDE SALT IN THE RATION OR OFFER FREE-CHOICE.

**NOTE:** CRYSTALYX® Brand Supplements deliver a continuous supply of nutrients and are designed as a supplement to the animal's diet. When quantity or quality of other feedstuffs is limited, supplemental nutrients, in addition to those provided by CRYSTALYX® Brand Supplements, may be required. In situations where additional nutrients are needed, contact your CRYSTALYX® representative for specific recommendations.

## CAUTION: USE ONLY AS DIRECTED

**WARNING: This product, which contains added copper, should not be fed to sheep or other species that have a low tolerance to supplemental copper.**

**WARNING: For Jersey Dairy Cattle, which are known to be sensitive to copper toxicity, consider all sources of dietary copper in the complete diet. Supplemental copper sources and/or ingredient levels may need to be modified in these animal feeding situations.**



WWW.DAIRYLYX.COM  
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