

# Phos-lyx®

## PROFILE

CRYSTALYX® Phos-lyx® is a unique, nutrient-dense, palatable, free-choice mineral supplement designed to complement the mineral composition of grass or legume forages. Phos-lyx® is designed to deliver lower levels of phosphorus at similar intakes as compared to other CRYSTALYX® mineral supplements in order to achieve a lower cost per head, per day.

## FEEDING APPLICATIONS:

### Beef

- Beef cattle (spring and summer pastures and fall regrowth)

## ABOUT THE PRODUCT:

### Minerals and Vitamins

Mineral and vitamin supplementation impacts forage digestion by enhancing rumen microbial growth, as well as reproduction, immune function, metabolism and productivity of the animal

- Mid-level phosphorus content
- Balance trace mineral levels
- Contains chelated/organic trace minerals
- Vitamins A, D, and E

### Research

- Research shows that chelated/organic forms of trace minerals have increased bioavailability.
- Research also shows the CRYSTALYX® batch cooking process increases mineral bioavailability.

### Palatability

Many sources of supplemental minerals are unpalatable, which results in sporadic mineral intake. The high palatability of molasses in Phos-lyx® encourages uniform consumption by all cattle throughout the herd, while still maintaining a low cost per head, per day.

### Product Numbers

- #704M – PHOS-LYX®, 250 lb. Steel Barrel
- #705M – PHOS-LYX®, 125 lb. Steel Barrel
- #706M – PHOS-LYX®, 200 lb. BioBarrel™

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## RESULTS BY THE BARREL®

### Trace Mineral Fortification

Trace mineral fortification impacts forage digestion by rumen microorganism growth, as well as increasing metabolic efficiencies and reproductive performance of the animal. Phos-lyx® is highly fortified with trace minerals that are key components of nutrient metabolism systems, disease resistance and reproduction.

A blend of Zinpro chelated/organic trace minerals also increases the availability of these minerals to the animal to meet their needs during rebreeding and periods of increased stress such as weaning. Four ounces of Phos-lyx® provides 100% of the 1996 Beef NCR trace mineral requirements for a mature animal.

### Dependable, Consistent, Safe Manufacturing

The unique manufacturing process and QA standards for all CRYSTALYX® products, including CRYSTALYX® Phos-lyx® is unmatched in the industry. The three heavy hitters of the CRYSTALYX® Quality Assurance program include:

Dependable: - FCI (contains no RUPP—Restricted Use Protein Products)

Consistent: - ISO 9000 (documented QA Program)

Safe: - HACCP (food safety program)

Leave the details of the programs to us and be assured CRYSTALYX® Phos-lyx® is dependable, consistent and safe.

## NUTRIENT ANALYSIS:

|                                   |               |
|-----------------------------------|---------------|
| Crude Fat, min .....              | 3.0%          |
| Crude Fiber, max .....            | 2.5%          |
| Calcium (Ca), min .....           | 8.5%          |
| Calcium (Ca), max .....           | 10.0%         |
| Phosphorus (P), min.....          | 4.0%          |
| Salt (NaCl).....                  | None Added    |
| Potassium (K), min .....          | 2.0%          |
| Magnesium (Mg), min .....         | 2.5%          |
| Cobalt (Co), min .....            | 10 ppm        |
| Copper (Cu), min .....            | 1,000 ppm     |
| Iodine (I), min.....              | 50 ppm        |
| Manganese (Mn), min.....          | 4,000 ppm     |
| Selenium (Se), min .....          | 13.2 ppm      |
| Zinc (Zn), min.....               | 3,000 ppm     |
| Vitamin A, min .....              | 100,000 IU/lb |
| Vitamin D <sub>3</sub> , min..... | 10,000 IU/lb  |
| Vitamin E, min .....              | 100 IU/lb     |

## INGREDIENTS:

Molasses products, calcium carbonate, monocalcium phosphate, dicalcium phosphate, magnesium oxide, hydrolyzed vegetable oil, manganese sulfate, manganese amino acid complex, zinc sulfate, zinc amino acid complex, copper sulfate, copper chloride, copper amino acid complex, ethylenediamine dihydriodide, calcium iodate, cobalt glucoheptonate, cobalt carbonate, sodium selenite, vitamin A acetate, vitamin D<sub>3</sub> supplement, vitamin E supplement.

## CONTAINER OPTIONS:

**Steel Barrel:** Steel barrels are durable and returnable, but do have the added costs to return the containers. Steel barrels are environmentally responsible as they are removed from pastures once CRYSTALYX® Phos-lyx® is consumed.

**BioBarrel™:** The BioBarrel™ naturally degrades and disappears. The need for container collection and return is eliminated.

## FEEDING DIRECTIONS:

CRYSTALYX® Phos-lyx® Mineral Supplement is designed for self-feeding to grazing beef cattle. Use as a source of calcium, phosphorus, vitamins and trace minerals when forage crude protein is not limiting. This product **does not** provide enough supplemental magnesium to aid in the prevention of grass tetany.

Place containers in areas that achieve desired supplement intake. Once acceptable intake levels have been achieved, the containers may be moved to under-utilized pasture areas to improve grazing distribution. Feed at the rate of one (1) container for every 40 to 75 head of mature animals, with a minimum of two (2) containers in each pasture to ensure proper accessibility. Free-choice consumption will depend on the number of animals per container, the size of the animals, seasonal weather conditions, as well as, quality, source and availability of other feeds. Cattle may consume from two (2) to eight (8) ounces per-head, per-day. Manage the number of animals per container to achieve a four (4) ounce intake per-head, per-day.

ALL CONSUMPTION FIGURES STATED HERE ARE APPROXIMATE. PROVIDE FREE ACCESS TO FRESH, CLEAN WATER AT ALL TIMES. PHOS-LYX® MINERAL SUPPLEMENT CONTAINS NO ADDED SALT. PROVIDE SALT FREE-CHOICE.

**CAUTION: USE ONLY AS DIRECTED.**

**NOTE:** CRYSTALYX® Brand Supplements provide a continuous availability of nutrients and are designed as a supplement to the animal's diet. When quantity or quality of other feedstuffs are 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.

**WARNING: THIS PRODUCT, WHICH CONTAINS ADDED COPPER, SHOULD NOT BE FED TO SHEEP OR OTHER SPECIES THAT HAVE A LOW TOLERANCE TO SUPPLEMENTAL COPPER.**



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