

# Close-Up™ FORMULA

#2978, #2976

## PROFILE

CRYSTALYX® CLOSE-UP FORMULA™ is a free-choice supplement containing chelated/organic trace minerals and anionic salts. It is designed to be fed in addition to a balanced dry cow ration three weeks before calving. CRYSTALYX® CLOSE-UP FORMULA™ is well suited for use in herds or conditions where milk fever and hypocalcemia are likely to occur.



## FEEDING APPLICATIONS:

### Dairy

- Dry cows (three weeks prior to calving)

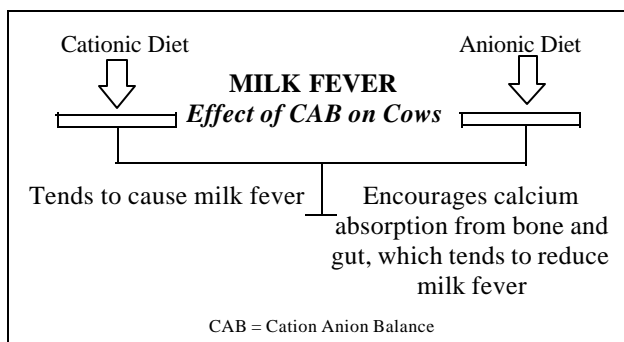
## ABOUT THE PRODUCT:

### Highly Fortified with Vitamins and Trace Minerals

- Vitamin and trace mineral fortification is critical during times of stress such as calving.
- Contains Zinpro® organic trace minerals
- Uses a combination of inorganic and chelated/organic copper, manganese and zinc for improved absorption, retention and utilization of these critical trace minerals.
- Supplemental Vitamin E as antioxidant has numerous benefits to maintaining immune function & cow health in preparation for calving & early lactation.

### Effect of Anionic Salts

- Effective in reducing the incidence of milk fever and hypocalcemia.



## RESULTS BY THE BARREL™

### Trace Mineral Fortification (Blend of Inorganic & Organic Sources) Help Meet These Needs:

- Zinc: Deficiency symptoms are lameness and low conception rates.
- Manganese: Important for observed standing heat (estrus).
- Copper: Key role in immune response. Deficiency may result in silent heats, cystic ovaries and infertility.

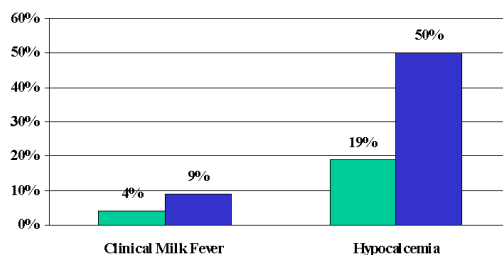
### Weather-Resistant

The durable steel barrel easily stands up to deteriorating lots, pastures or barn conditions. Furthermore, all CRYSTALYX® products are weather-resistant and can easily accommodate feeding conditions in a variety of climates.

### Palatability

CLOSE-UP FORMULA™ is designed to offer a palatable form of delivering anionic salts to help supplement those already included in the diet. Because anionic salts are extremely unpalatable, Close-up Formula is key to any program that needs to maximize the amount delivered to close-up dry cows.

**Clinical Milk Fever and Hypocalcemia Incidence**



■ Anionic Salt   ■ Control

Dairy

### Product Numbers

#2978–CLOSE-UP FORMULA™, 250 lb

#2976–CLOSE-UP FORMULA™, 125 lb

CRYSTALYX® 50-100

-continued on reverse side

## NUTRIENT ANALYSIS:

Crude Protein, min.....	15.0%
<i>(including not more than 10.0% equivalent crude protein from non-protein nitrogen)</i>	
Crude Fat, min.....	3.0%
Crude Fiber, max.....	2.0%
Acid Detergent Fiber, max.....	2.5%
Calcium (Ca), min.....	5.5%
Calcium (Ca), max.....	6.5%
Potassium (K), min.....	2.0%
Sulfur (S), min.....	4.0%
Magnesium (Mg), min.....	1.0%
Cobalt (Co), min.....	40 ppm
Copper (Cu), min.....	750 ppm
Iodine (I), min.....	50 ppm
Manganese (Mn), min.....	2,500 ppm
<b>* Selenium (Se)<sup>*</sup>, min.....</b>	<b>11.8 ppm</b>
Zinc (Zn), min.....	3,000 ppm
Vitamin A, min.....	200,000 IU/lb
Vitamin D <sub>3</sub> , min.....	40,000 IU/lb
Vitamin E, min.....	1,400 IU/lb

\* All CRYSTALYX<sup>®</sup> 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<sup>®</sup> Brand Dairy Supplements for your area.

## INGREDIENTS:

Molasses products, calcium sulfate, hydrolyzed vegetable oil, urea, magnesium oxide, calcium carbonate, zinc oxide, zinc sulfate, zinc amino acid complex, manganous oxide, manganous sulfate, manganese amino acid complex, copper sulfate, copper chloride, copper amino acid complex, cobalt carbonate, cobalt glucoheptonate, ethylenediamine dihydriodide, calcium iodate, 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<sup>®</sup> Brand CLOSE-UP FORMULA<sup>™</sup> should only be fed during the close-up period, 3 weeks prior to calving to supplement existing diets formulated for maintaining Dietary Cation Anion Difference (DCAD).

Place containers in areas that achieve desired supplement intake. Feed at the rate of one (1) 250 lb. or one (1) 125 lb. container for every 20 to 30 head. A minimum of two (2) containers may be required in each 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 pound per-head, per-day.

ALL CONSUMPTION FIGURES STATED HERE ARE APPROXIMATE. PROVIDE FREE ACCESS TO FRESH, CLEAN WATER AT ALL TIMES. CRYSTALYX<sup>®</sup> BRAND CLOSE-UP FORMULA<sup>™</sup> CONTAINS NO SALT. LIMIT SALT INTAKE TO APPROXIMATELY ONE (1) OUNCE PER-HEAD, PER DAY.

**CAUTION: USE ONLY AS DIRECTED. FOR RUMINANTS ONLY.**

**NOTE:** CRYSTALYX<sup>®</sup> 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<sup>®</sup> Brand Supplements, may be required. In situations where additional nutrients are needed, contact your CRYSTALYX<sup>®</sup> 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.**

**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

U.S. Patent No. 6,244,217 - 6,390,024 - 6,561,133



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