

# HE-20%™

#3915, #3958

## PROFILE

CRYSTALYX® HE-20%™ is a unique, high energy supplement consisting of a nutrient-dense blend of molasses solids, protein, hydrolyzed vegetable oil, vitamins, minerals and trace minerals. HE-20%™ provides essential supplemental nutrients to livestock consuming moderate quality forages. The continuous nutrient availability of HE-20%™ promotes efficient utilization of supplemental nutrients.



## FEEDING APPLICATIONS:

### Beef & Bison

(moderate quality forages)

- Calves
- Steers
- Heifers
- Cows

## ABOUT THE PRODUCT:

### High Energy Level

HE-20%™ contains no non-nutritive fillers or binders and contains virtually no moisture (typically 2% to 5%). HE-20%™ is a nutrient-dense block that can be fed to ruminants consuming moderate quality forages without the depression in forage utilization often seen with grain-based energy supplements.

Frequent consumption of small amounts of digestible energy can increase utilization of forages. "Slug feeding" of grain-based products can decrease forage digestion. The continuous availability of HE-20%™ offers small amounts of energy and other nutrients many times per day.

## RESULTS BY THE BARREL™

### Continuous Nutrient Availability

HE-20%™ provides continuous availability of energy, rumen-available protein, trace minerals and minerals that can stimulate microbial forage digestion. Animals can benefit from a direct effect of increasing nutrient intake, as well as increase in energy released from improved digestion.

### Rumen-Available Protein

HE-20%™ provides protein in the form of amino acids, peptides and non-protein nitrogen. Rumen microorganisms require a blend of these forms for maximum forage digestion and optimum rumen fermentation.

### Consistent, Dependable Manufacturing

The unique manufacturing process of HE-20%™ results in a weather-resistant, low-moisture product that dissolves slowly when licked. CRYSTALYX® Supplements are high quality nutrition in a convenient package.

Since the durable steel barrel is returnable, it is environmentally-friendly. Furthermore, all CRYSTALYX® products are weather-resistant.

### Minerals and Vitamins

Mineral and vitamin supplementation impacts forage digestion by meeting the needs of rumen microorganisms, as well as metabolism and productivity of the animal.

Beef /Bison

### Product Numbers

#3915 – HE-20%™, 250 lb

#3958 – HE-20%™, 125 lb

CRYSTALYX® 20-200

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## NUTRIENT ANALYSIS:

Crude Protein, min.....	20.0%
(including not more than 8.0% equivalent crude protein as non-protein nitrogen).	
Crude Fat, min.....	5.0%
Crude Fiber, max.....	2.5%
Calcium (Ca), min.....	1.0%
Calcium (Ca), max.....	1.5%
Phosphorus (P), min.....	0.8%
Salt (NaCl),.....	None Added
Potassium (K), min.....	3.0%
Magnesium (Mg), min.....	0.3%
Cobalt (Co), min.....	2.5 ppm
Copper (Cu), min.....	250 ppm
Iodine (I), min.....	12.5 ppm
Manganese (Mn), min.....	1,000 ppm
Selenium (Se), min.....	4.4 ppm
Zinc (Zn), min.....	750 ppm
Vitamin A, min.....	80,000 IU/lb
Vitamin D, min.....	8,000 IU/lb
Vitamin E, min.....	100 IU/lb

## INGREDIENTS:

Molasses products, plant protein products, hydrolyzed vegetable oil, processed grain by-products, urea, monocalcium phosphate, dicalcium phosphate, calcium carbonate, magnesium oxide, manganese sulfate, zinc sulfate, copper sulfate, copper chloride, ethylenediamine dihydriodide, calcium iodate, cobalt carbonate, sodium selenite, vitamin A acetate, vitamin D<sub>3</sub> supplement, vitamin E supplement.

## FEEDING DIRECTIONS:

CRYSTALYX® HE-20%™ is designed for self-feeding to grazing beef cattle and bison.

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 and forage utilization. Feed at the rate of one (1) 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 the size of the animals, seasonal weather conditions, as well as, quality, source and availability of other feeds. Cattle and bison will typically consume between 0.5 to 1.5 pounds per-head, per-day.

ALL CONSUMPTION FIGURES STATED HERE ARE APPROXIMATE. PROVIDE FREE ACCESS TO FRESH, CLEAN WATER AT ALL TIMES. HE-20%™ CONTAINS NO SALT. PROVIDE SALT FREE-CHOICE.

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

**NOTE:** CRYSTALYX® Brand Supplements provide 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.

**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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