



# HIGH-MAG 20

## A Nutritionally Formulated Supplement for Beef Cattle on Pasture

### THE PRODUCT

**HIGH-MAG 20** supplement is designed to be fed to cattle that may benefit from supplemental magnesium. It is a high-density block that allows around-the-clock supplementation of essential nutrients. **HIGH-MAG 20** is a low-moisture, molasses-based block that provides a cost-effective supplementation program. Here's how:

- ✓ **Economical:** A low feeding rate of 0.5 to 0.75 lb/head/day means lower feeding costs (on a per head per day basis).
- ✓ **Mineral Fortification:** This supplement is fortified with minerals and trace minerals to help promote animal performance, health and efficiency. In addition, **HIGH-MAG 20** supplement provides extra magnesium to cattle consuming low magnesium forages.
- ✓ **Weather Resistant:** This Feed In A Drum supplement maintains integrity and controls consumption even in hot, humid weather or precipitation.
- ✓ **Minimal Labor:** This supplement is easy to feed. Simply place the blocks in areas of easy access to the cattle.
- ✓ **Returnable Steel Tubs** are self contained supplement feeders that are environmentally friendly and eliminate the expense of additional feeding equipment.

### HIGH MAGNESIUM

**HIGH-MAG 20** offers the benefit of extra magnesium (5% minimum) in a highly palatable supplement that cattle will readily consume.

**HIGH-MAG 20** is recommended during periods of magnesium deficiency, such as early spring growth of cool season grasses or rapid pasture growth following heavy rains. These pastures are typically low in magnesium, and may result in irritability, increased excitability and/or tetany.

### SUPPLEMENTAL CALCIUM

Low magnesium forages are often marginally low in calcium. **HIGH-MAG 20** provides supplemental calcium.

### VITAMINS & MINERALS

**HIGH-MAG 20** is fortified with vitamins A, D and E, minerals, and trace minerals. Below are some of the reasons why vitamins, minerals, and trace minerals are necessary for optimum herd health and performance.

- ✓ **Copper** is required for reproductive performance. A significant symptom of copper deficiency includes delayed or suppressed estrus, along with reduced growth rate, fragile bones and anemia.
- ✓ **Magnesium** is necessary for nerve transmission, skeletal tissue and bone formation, enzyme activation, and milk production. Research has shown that cattle consuming low magnesium forages may be susceptible to grass tetany.
- ✓ **Selenium** is necessary for tissue repair, normal function of the immune system, and reproductive performance. Selenium is interactive with vitamin E. A diet low in vitamin E may require an increase in selenium supplementation. A common symptom of deficiency is white muscle disease in young cattle characterized by lameness, stiffness, or cardiac failure.
- ✓ **Vitamin A** is required for growth, reproduction and maintenance; **Vitamin D** affects calcium and phosphorus utilization and **Vitamin E** helps to enhance immune function while interacting with the functions of selenium.



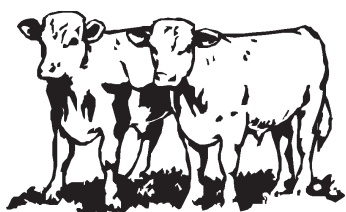
## FEEDING DIRECTIONS

### High-Mag 20

(For Ruminants Only)

Provide free choice as a supplement to pasture cattle at the rate of one block for each 15 to 25 head. Place blocks in areas frequented by livestock, such as watering locations, shade or loafing areas. Cattle normally consume approximately 0.5 to 0.75 pounds per head daily. Consumption may vary depending on climate, grazing conditions, condition of livestock and/or availability of other feeds. In situations where climate and/or other factors result in consumption less than 0.5 pounds per head daily, intake of supplement can be increased by providing additional blocks per pasture.

Provide access to fresh water and free-choice salt at all times.



For other high magnesium **THE FEED IN A DRUM®** supplements, consider **MINLic®** or **HIGH-MAG NATURAL 15** (with enzymes).



## GUARANTEED ANALYSIS

Crude Protein, minimum .....	20.0%*	Copper, minimum .....	200 ppm
Crude Fat, minimum .....	3.0%	Iodine, minimum .....	10 ppm
Crude Fiber, maximum .....	2.5%	Manganese, minimum .....	800 ppm
Calcium, minimum .....	1.5%	Selenium, minimum .....	2.0 ppm
Calcium, maximum .....	2.0%	Zinc, minimum .....	800 ppm
Phosphorus, minimum .....	1.0%	Vitamin A, minimum .....	.60,000 IU/lb
Magnesium, minimum .....	5.0%	Vitamin D, minimum .....	6,000 IU/lb
Potassium, minimum .....	2.5 %	Vitamin E, minimum .....	30 IU/lb
Cobalt, minimum .....	2.0 ppm		

\* High Mag contains 20% crude protein (not more than 7% as non-protein nitrogen).

Manufactured By:

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**CAUTION:** Use as directed. Observe livestock and monitor intake daily.

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