Hi-Cal Mineral Supplement

A Free Choice Mineral Supplement for Cattle on Pastures

THE PRODUCT

Hi-Cal Mineral Supplement is specially formulated to enrich the diet of cattle without the added cost of supplemental protein. This unique supplement is second to none when compared to other low-moisture blocks. This block is the product of a state-of-the-art patented process that provides a unique 24-hour feeding system. **Hi-Cal Mineral Supplement** is an exceptionally dense block that will give you the most for your money. Here's how:

- ✔ **Economical:** A low feeding rate of ½ lb/head/day means lower feeding costs (on a per head per day basis).
- ✔ **High Mineral Fortification:** This supplement is highly mineral and vitamin fortified which means that additional minerals do not need to be added to the diet, resulting in significant cost savings.
- ✔ **Weather Resistant:** The patented, "continuous flow" system creates a low-moisture, exceptionally dense block that maintains its integrity even in wind, rain, or hot, humid weather or precipitation which minimizes waste or loss of product.
- ✔ **Minimal Labor: Hi-Cal Mineral Supplement** is easy to feed. Simply place the block in areas of easy access to cattle.
- ✔ **Returnable Steel Tubs** are self contained supplement feeders that are environmentally friendly and eliminate the expense of additional feeding equipment.

HIGHER MINERAL FORTIFICATION

Hi-Cal Mineral Supplement offers the benefit of a high level of mineral in a palatable supplement that cattle will consume consistently. This supplement contains a minimum of 10% calcium.

- ✔ Contains 10 to 12% calcium
- ✔ Balanced trace minerals levels
- ✔ Fortified with vitamins A, D, and E

FORMULATED WITH AMINO ACID COMPLEXES

Hi-Cal Mineral Supplement provides recommended levels of zinc, manganese and copper Metal Amino Acid Complexes. These complex minerals are bonded to a single amino acid serving to transport these minerals across the intestinal wall resulting in optimum absorption.

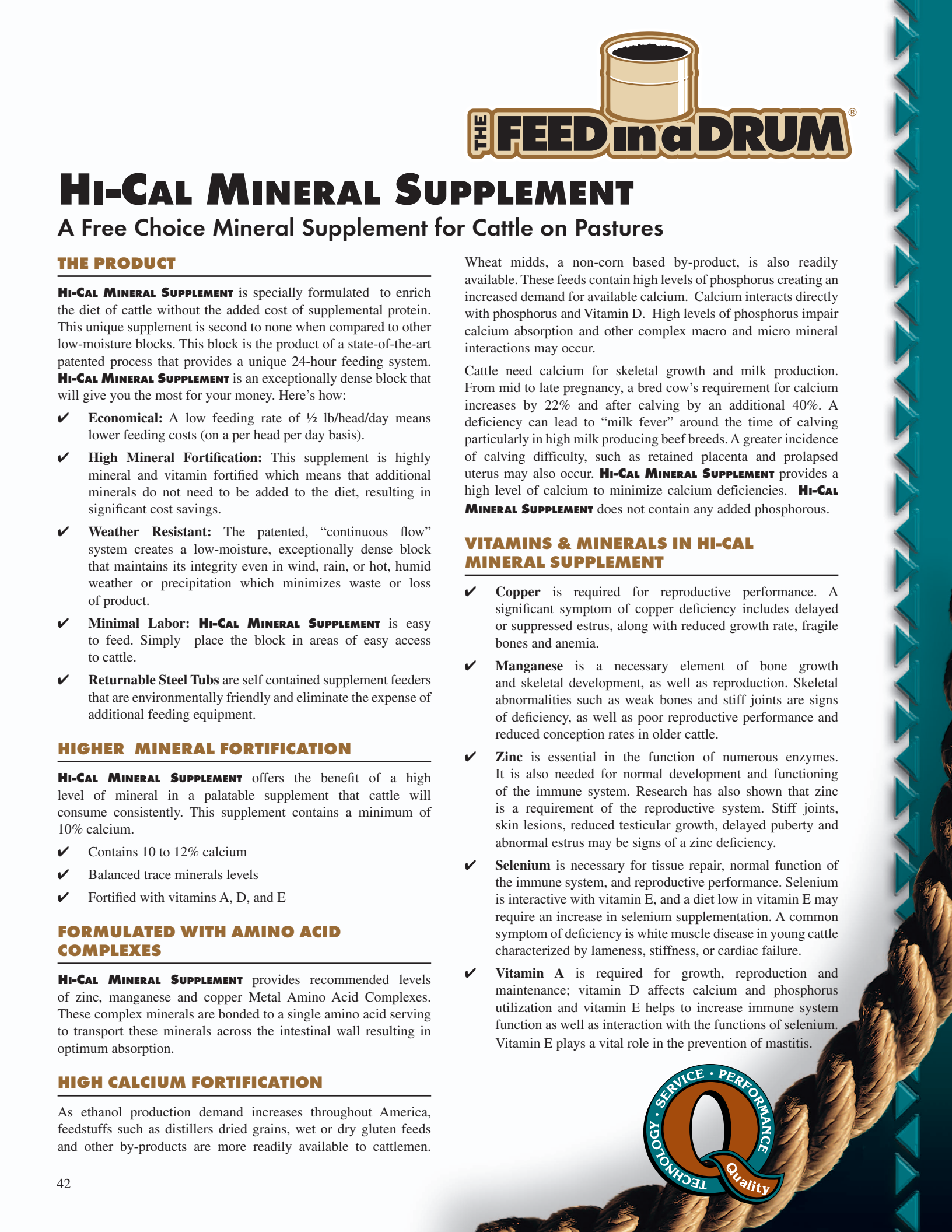
HIGH CALCIUM FORTIFICATION

As ethanol production demand increases throughout America, feedstuffs such as distillers dried grains, wet or dry gluten feeds and other by-products are more readily available to cattlemen. Wheat midds, a non-corn based by-product, is also readily available. These feeds contain high levels of phosphorus creating an increased demand for available calcium. Calcium interacts directly with phosphorus and Vitamin D. High levels of phosphorus impair calcium absorption and other complex macro and micro mineral interactions may occur.

Cattle need calcium for skeletal growth and milk production. From mid to late pregnancy, a bred cow's requirement for calcium increases by 22% and after calving by an additional 40%. A deficiency can lead to "milk fever" around the time of calving particularly in high milk producing beef breeds. A greater incidence of calving difficulty, such as retained placenta and prolapsed uterus may also occur. **Hi-Cal Mineral Supplement** provides a high level of calcium to minimize calcium deficiencies. **Hi-Cal Mineral Supplement** does not contain any added phosphorous.

VITAMINS & MINERALS IN HI-CAL MINERAL SUPPLEMENT

- ✔ **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.
- ✔ **Manganese** is a necessary element of bone growth and skeletal development, as well as reproduction. Skeletal abnormalities such as weak bones and stiff joints are signs of deficiency, as well as poor reproductive performance and reduced conception rates in older cattle.
- ✔ **Zinc** is essential in the function of numerous enzymes. It is also needed for normal development and functioning of the immune system. Research has also shown that zinc is a requirement of the reproductive system. Stiff joints, skin lesions, reduced testicular growth, delayed puberty and abnormal estrus may be signs of a zinc deficiency.
- ✔ **Selenium** is necessary for tissue repair, normal function of the immune system, and reproductive performance. Selenium is interactive with vitamin E, and 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 increase immune system function as well as interaction with the functions of selenium. Vitamin E plays a vital role in the prevention of mastitis.

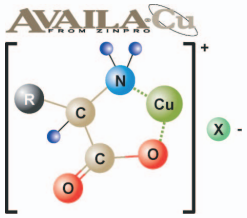


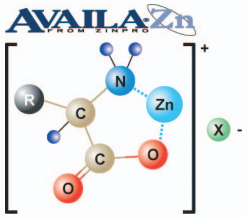
FEEDING DIRECTIONS

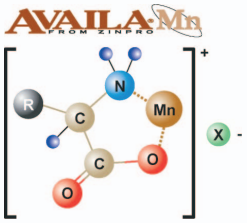
Hi-Cal Mineral Supplement

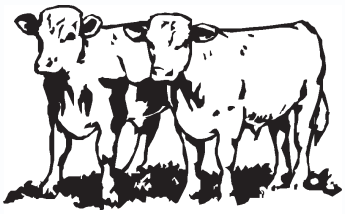
Provide free-choice as a supplement to pasture cattle at the rate of one block for each 15 to 25 head. Place blocks in each pasture near areas frequented by livestock, such as watering locations, shade or loafing areas. Cattle normally consume approximately ½ pound per head daily. Consumption may vary 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 ½ pound per head daily, intake of supplement can be increased by increasing the number of blocks per pasture.

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









For other The Feed in a Drum feeding options try **Range 22MF** and **Range 30MF** depending on forage quality and required protein levels.

GUARANTEED ANALYSIS

Protein, minimum	3.0%
Crude Fat, minimum	3.0%
Crude Fiber, maximum	2.5%
Calcium, minimum	10.0%
Calcium, maximum	12.0%
Potassium, minimum	2.5%
Cobalt, minimum	7 ppm
Copper, minimum	675 ppm
Iodine, minimum	33 ppm
Manganese, minimum	2,700 ppm
Selenium, minimum	8.8 ppm
Zinc, minimum	2,700 ppm
Vitamin A, minimum	160,000 IU/lb
Vitamin D, minimum	16,000 IU/lb
Vitamin E, minimum	400 IU/lb

Manufactured By:

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

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