



# NE-NATURAL 20

A Nutritionally Engineered® Mineral Supplement For Beef Cattle on Pasture

## NE-NATURAL 20

Nutritionally Engineered® product containing all-natural protein and completely mineral-fortified. This unique supplement is second to none when compared to other types of low-moisture blocks. This block is the product of a state-of-the-art-patented process that provides a unique 24-hour feeding system. **NE-Natural 20** is an exceptionally dense all-weather block that will give you the most for your money. Here's how:

- ✓ **Economical:** A low feeding rate of .50 to .75 lb/head/day means lower feeding costs (on a per head per day basis).
- ✓ **High Mineral Fortification:** This supplement is mineral fortified eliminating the need for additional free-choice minerals, resulting in a supplemental feed cost savings of 5¢ to 8¢ per head per day.
- ✓ **Weather Resistant:** The patented, "continuous flow" system creates a low-moisture, exceptionally dense block that maintains its integrity even in hot, humid weather or precipitation.
- ✓ **Minimal Labor:** **SmartLic**® supplements are easy to feed. Simply place the blocks in areas of easy access to the cattle.
- ✓ **Returnable Steel Tubs** are economical and environmentally friendly.

## DOES NOT CONTAIN NON-PROTEIN NITROGEN

When all-natural protein is desired for your cattle, then **NE-Natural 20** is the smart choice. This product contains only natural protein sources. **NE-Natural 20** is recommended when ammonia-treated forages and rations are already part of the diet.

**NE-Natural 20** is ideal for young or growing calves (400 lbs. of body weight or less).



## THE IMPORTANCE OF TRACE MINERALS IN NE-NATURAL 20

Based on 3/4 lb intake, **NE-Natural 20** is highly fortified with vitamins and trace minerals. **NE-Natural 20** contains up to 125% of the new NRC nutrient requirements for trace minerals. Below are some of the reasons why these 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.
- ✓ **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.
- ✓ **Potassium** is a critical component of electrolyte balance in the body. Potassium assists kidneys in maintaining the water balance, muscle contractions (including heart muscle function) and nerve impulse transmission. Forages tend to be excellent sources of potassium, with the best sources coming from early spring pastures that have not yet reached maturity.
- ✓ **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 increase immune system function as well as interaction with the functions of selenium.



### FEEDING DIRECTIONS NE-NATURAL 20

Provide free choice as a supplement to pasture cattle at the rate of one block for each 15 to 25 head. Place a minimum of two blocks in each pasture near areas frequented by livestock, such as watering locations, shade or loafing areas. Cattle normally consume approximately 3/4 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 3/4 pound 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.

*If cattle experience excessive stress such as adverse weather conditions, shipping, weaning, or periods of high production, switching to **SmartLic® StressLic®** Supplement is recommended.*

*If a supplement containing higher protein levels is desired, **SmartLic® NE-30** or **SmartLic® Hi-Pro 40** is recommended.*



### GUARANTEED ANALYSIS

Crude Protein, minimum .....	20.0%	Copper, minimum .....	300 ppm
Crude Fat, minimum .....	5.0%	Iodine, minimum .....	15 ppm
Crude Fiber, maximum .....	2.0%	Manganese, minimum .....	1,200 ppm
Calcium, minimum .....	2.3%	Selenium, minimum .....	6.6 ppm
Calcium, maximum .....	2.8%	Zinc, minimum .....	1,200 ppm
Phosphorus, minimum .....	2.0%	Vitamin A, minimum .....	80,000 IU/lb
Potassium, minimum .....	2.5%	Vitamin D, minimum .....	8,000 IU/lb
Cobalt, minimum .....	3.0 ppm	Vitamin E, minimum .....	80 IU/lb

### INGREDIENTS

Molasses, soybean meal, hydrolyzed feather meal, wheat middlings, hydrolyzed vegetable fat, monocalcium phosphate, dicalcium phosphate, limestone, zinc sulfate, manganese sulfate, copper sulfate, sodium selenite, ethylenediamine dihydriodide, cobalt carbonate, vitamin A acetate, vitamin D<sub>3</sub> supplement, vitamin E supplement.

Manufactured By:



**New Generation Feeds**

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For more information on **SmartLic®** Supplements and **New Generation Feeds** visit our web site at:

**WWW.smartlic.com**

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