



# RANGE 21 & RANGE-MAG 21

A Free Choice Supplement for Beef Cattle on pasture

## THE PRODUCTS

**Range 21 & Range-Mag 21** are carefully formulated to complement summer pastures or medium quality forages. These unique supplements are second to none when compared to other low-moisture blocks. These blocks are the products of a state-of-the-art patented process that provides a unique 24-hour feeding system. **Range 21 & Range-Mag 21** are exceptionally dense all-weather blocks that will give you the most for your money. Here's how:

- ✓ **Economical:** A low feeding rate means lower feeding costs (on a per head per day basis).
- ✓ **Mineral Fortification:** These supplements are mineral fortified, resulting in typical supplemental feed cost savings of 5¢ to 8¢ per head per day.
- ✓ **Weather Resistant:** The patented, "continuous flow" system creates a quality, low-moisture, exceptionally dense block that maintains its integrity even in hot, humid weather or precipitation.
- ✓ **Minimal Labor:** The Feed In A Drum 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.

## VITAMINS & MINERALS IN RANGE SUPPLEMENTS

Based on 0.75 lb intake, **Range 21 & Range-Mag 21** supplements are heavily fortified with vitamins A, D and E, and based on a 1,200 lb cow, contain up to 125% of the new NRC nutrient requirements for trace minerals. Below are some of the reasons why vitamins and minerals supplied by **Range 21 & Range-Mag 21** supplements 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.
- ✓ **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.
- ✓ **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.

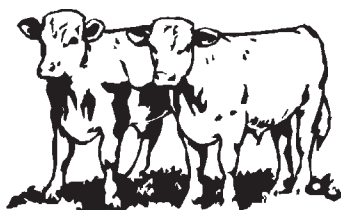


## FEEDING DIRECTIONS

### Range 21 & Range-Mag 21

Provide free choice as a supplement to pasture cattle at the rate of one block for each 15 to 25 head. Place blocks in pastures near areas frequented by cattle, such as watering locations, shade or loafing areas. Cattle normally consume approximately 0.75 pound per head daily. Consumption may vary depending on climate, grazing conditions, condition of cattle and/or availability of other feeds. In situations where climate and/or other factors result in consumption less than 0.75 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 due to adverse weather conditions, shipping, weaning, or periods of high production, switching to The Feed In A Drum **FirstLic**® or The Feed In A Drum **Stress 22**® Supplement is recommended.*

## GUARANTEED ANALYSIS

### Range 21

Crude Protein, minimum .....	21.0%
(This includes not more than 10% equivalent crude protein as non-protein nitrogen.)	
Crude Fat, minimum .....	3.0%
Crude Fiber, maximum .....	2.0%
Calcium, minimum .....	1.5%
Calcium, maximum .....	2.4%
Phosphorus, minimum .....	1.0%
Potassium, minimum .....	2.5%
Cobalt, minimum .....	3.0 ppm

Copper, minimum .....	300 ppm
Iodine, minimum .....	15 ppm
Manganese, minimum .....	1,200 ppm
Selenium, minimum .....	6.6 ppm
Zinc, minimum .....	1,200 ppm
Vitamin A, minimum .....	80,000 IU/lb
Vitamin D, minimum .....	8,000 IU/lb
Vitamin E, minimum .....	80 IU/lb

### Range-Mag 21

Magnesium, minimum .....	2.0%
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Manufactured By:

**Animal Feed Supplement, Inc.**

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

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