FlaxLic® IGR

**A Nutritional Supplement Containing S-Methoprene Insect Growth Regulator for Continuous Feeding to All Classes of Beef and Dairy Cattle through the Horn Fly Season.**

**FlaxLic® IGR**

*FlaxLic® IGR* is an all-natural supplement that contains a high level of Alpha-linolenic acid (ALA), an omega-3 fatty acid, essential minerals and sufficient (S)-Methoprene insect growth regulator to prevent the emergence of adult horn flies from manure of treated cattle without the added cost of supplemental protein. *FlaxLic® IGR* contains 15% fat, which is derived predominantly from flaxseed and edible linseed (flaxseed) oil. This unique supplement is the first low-moisture block to contain a high level of ALA. *FlaxLic® IGR* is an exceptionally dense all-weather block that will give you the most for your money. Here’s how:

- **FlaxLic® IGR** supplement is fortified with Altosid® which offers the most effective and convenient way to control horn flies in beef and dairy cattle.
- **Economical:** A low feeding rate means lower feeding costs (on a per head per day basis).
- **Mineral Fortified:** This supplement is mineral and vitamin fortified, reducing the need for additional free-choice minerals and ultimately lowering typical supplemental feed costs by as much as 5¢ to 8¢ per head daily.
- **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:** *FlaxLic® IGR* is convenient and easy to feed. Simply place an adequate number of blocks in areas that are accessible to the cattle.
- **Returnable Steel Tubs** are self contained supplement feeders that are environmentally friendly and eliminate the expense of additional feeding equipment.

**EFFECTIVE FLY CONTROL**

*FlaxLic® IGR* supplement already helps improve forage utilization and reproductive performance by providing cattle the essential nutrients they need. Now *FlaxLic® IGR* will help keep horn fly populations under control too. As an insect growth regulator, Altosid passes through cattle and into the manure. This is where the breaking of the fly cycle begins. Female flies can lay eggs in fresh manure. Within a week or so the eggs develop into larvae, then pupae and then adult flies. The active ingredient in Altosid, Methoprene, ultimately prevents fly eggs from completing this cycle, keeping adult flies from emerging.

Kansas State University research completed in 2005 shows that feeding The Feed In A Drum IGR supplements fortified with Altosid to cattle significantly decreases the survival rate of horn flies to the adult stage.

**VITAMINS & MINERAL FORTIFIED**

Based on 0.75 lb intake, *FlaxLic® IGR* is fortified with vitamins A, D and E, and contain up to 125% NRC nutrient requirements for trace minerals. Here are some of the reasons why vitamins and minerals supplied in *FlaxLic® IGR* supplement 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 water balance, muscle contractions (including heart muscle function) and nerve impulse transmission.
- **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 & MANAGEMENT INSTRUCTIONS

FlaxLic® IGR

When used as directed, FlaxLic® IGR will provide sufficient (S)-methoprene insect growth regulator to prevent the emergence of adult horn flies from manure of treated cattle. Existing adult horn flies will not be affected. Start feeding before horn flies appear and continue use until cold weather marks the end of the horn fly season. Allow free choice to cattle. Cattle should consume an average of 0.8 ounces of FlaxLic® IGR per 100 lbs. of animal body weight per day, which is equivalent to 8 ounces per day for a 1,000 pound animal.

1. Assure cattle are not starved for nutrients prior to feeding FlaxLic® IGR.

2. Offer cattle 1 block FlaxLic® IGR for every 15 - 25 head of cattle.

3. Remove all other self-limiting nutritional supplements.

4. Locate FlaxLic® IGR where cattle congregate (watering, loafing, shade areas).

5. Replenish FlaxLic® IGR on a regular basis as needed.

6. If intake of FlaxLic® IGR is below 0.8 ounces per 100 lbs. animal body weight per day, increase the number of feeding locations and/or change location(s) to areas more frequented by cattle.

7. If intake of FlaxLic® IGR is above 0.8 ounces per 100 pounds animal body weight per day, reduce the number of feeding locations and/or change location(s) to areas less frequented by cattle.

8. Introduction of this product after adult horn fly infestation is established will require treatment of cattle with adulticides if elimination of the adult fly populations is desired.

GUARANTEED ANALYSIS

Contains Altosid®

ACTIVE INGREDIENT:
(S)-Methoprene (CAS #65733-16-6).................0.005%
OTHER INGREDIENTS:..................................99.995%
TOTAL......................................................100.000%

Crude Protein, minimum ................................12.0%
Crude Fat, minimum ....................................15.0%
Crude Fiber, maximum .................................2.0%
ADF, maximum..........................................2.5%
Calcium, minimum......................................1.0%
Calcium, maximum......................................1.5%
Phosphorus, minimum..................................1.0%
Potassium, minimum.................................2.5%
Cobalt, minimum.......................................3.0 ppm

Copper, minimum........................................30 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
Omega-3 Fatty Acids, minimum....................7.0%

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

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