

# PVM PLUS IGR

For all Classes of Beef and Dairy Cattle on Pasture

(Contains Altosid® IGR) ALTOSID® Insect Growth Regulator is a registered trademark of Wellmark International (*For Ruminants Only*)

## WHAT IS PVM Plus IGR?

PVM™ is a highly fortified 28% (free-choice) protein molasses supplement with an exclusive formulation designed to enhance forage utilization. PVM™ is blended with a combination of five different protein sources, essential fatty acids, trace minerals, enzymes, amino acids and much more. Due to the patented ingredient formula and cooking process, the PVM™ formula has a built-in delivery system (absorbs moisture) which limits intake to levels that supplement forage rather than replace it.

The most convenient way to control horn flies in beef and dairy cattle is to supplement with PF tubs containing Altosid IGR Feed-Thru. Altosid is an insect growth regulator (IGR) that passes through the animal and into the manure, where horn flies lay their eggs. It breaks the life cycle by preventing horn fly pupae from developing into biting adult flies. Altosid eliminates the expense, labor, and stress on your cattle associated with sprays, pour-ons, dusts, and ear tags. There's no need to round up or handle cattle because the animals spread the horn fly control as they graze.

## **PREVENTS ADULT HORN FLY EMERGENCE FROM MANURE OF TREATED CATTLE**

A Nutritional Supplement Containing S-Methoprene\* Insect Growth Regulator for Continuous Feeding to Cattle through the Horn Fly Season

## ACTIVE INGREDIENTS:

|                                       |         |
|---------------------------------------|---------|
| (S) Methoprene (CAS# 65733-16-6)..... | .005%   |
| Other ingredients .....               | 99.995% |
| Total .....                           | 100.00% |

\* As the Insect Growth Regulator ALTOSID®

|                             |               |                                                                                        |
|-----------------------------|---------------|----------------------------------------------------------------------------------------|
| Crude Protein not less than |               | 28.0% (This includes not more than 7.0% equivalent protein from non-protein Nitrogen). |
| Crude Fat                   | Min.          | 5.0%                                                                                   |
| Crude Fiber                 | Max.          | 4.0%                                                                                   |
| Calcium (Ca)                | Min.          | 2.0%                                                                                   |
| Calcium (Ca)                | Max.          | 3.0%                                                                                   |
| Phosphorus (P)              | Min.          | 1.0%                                                                                   |
| Potassium (K)               | Min.          | 2.50%                                                                                  |
| Magnesium (Mg)              | Min.          | .40%                                                                                   |
| Iodine (I)                  | Min.          | .006%                                                                                  |
| Ash -                       | Not more than | 14.0%                                                                                  |
| Copper (Cu)                 | Max.          | 300 ppm.                                                                               |
| Vitamin A                   | Min.          | 100,000 iu per lb.                                                                     |
| Vitamin D3                  | Min.          | 10,000 iu per lb.                                                                      |
| Vitamin E                   | Min.          | 50 iu per lb.                                                                          |
| Total Sugars (as invert)    | Min.          | 30.00%                                                                                 |

Cane molasses, hydrolyzed vegetable fat, lecithin, cottonseed meal, fish meal, soybean meal, urea, dicalcium phosphate, mono calcium phosphate, calcium carbonate, vitamin A supplement, vitamin D3 supplement, vitamin E supplement, magnesium oxide, manganese sulfate, ferrous sulfate, zinc sulfate, copper sulfate, cobalt sulfate, sodium selenite, sulphur, ethylene diamine dihydriodide (source of iodine), dried lactobacillus acidophilus fermentation product, yeast culture (saccharomyces cerevisiae).

***DOES NOT CONTAIN ANY PROHIBITED MATERIALS***

Does not contain any animal protein

***KEEP OUT OF REACH OF CHILDREN***

CAUTION

***PRECAUTIONARY STATEMENTS***

HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS

This product contains high levels of copper. Consumption of this product by sheep or goats may result in copper toxicity.

***ENVIRONMENTAL HAZARDS***

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

***STORAGE AND DISPOSAL***

Do not contaminate water, food, or feed by storage or disposal.

STORAGE: Store in a cool, dry place.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose in a sanitary landfill or by incineration or if allowed by state and local authorities by burning. If burned, stay out of smoke.

PATENT # 4,749,578

NET WEIGHT: 225 lbs. (102.2 Kg)

EPA Reg No. 2724-495-74889 EPA Est No. 74889-TX-001

***This is an informational label only***

***DIRECTIONS FOR USE***

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

***FEEDING AND MANAGEMENT INSTRUCTIONS***

When used as directed, PVM Plus Altosid® 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 PVM PLUS ALTOSID® IGR per 100 lbs. of animal body weight per day, which is equivalent to 8 ounces per day for a 100 pound animal.

- \* Assure cattle are not starved for nutrients prior to feeding PVM PLUS ALTOSID IGR.
- \* Offer cattle one PVM PLUS ALTOSID IGR for every 10 to 20 head of cattle.
- \* Remove all other self limiting nutritional supplements
- \* Locate PVM PLUS ALTOSID IGR where cattle congregate (watering, loafing, shaded areas).
- \* Replenish PVM PLUS ALTOSID IGR on a regular basis as needed.
- \* If intake of PVM PLUS ALTOSID IGR is below 0.8 ounces per 100 pounds animal body weight per day, increase the number of feeding locations and/or change location (s) to areas more frequented by cattle.
- \* If intake of PVM PLUS ALTOSID 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 area(s) more frequented by cattle. Introduction of this product after adult horn fly infestation is established will require treatment of cattle with adulticides if elimination of the adult fly population is desired.
- \* Begin feeding PF tubs with Altosid (IGR) before the horn flies appear.
- \* If feeding in free-choice feeds such a supplements, put out a 30 day supply.
- \* Use one tub per 10 - 20 animals
- \* Place the tubs near watering holes and loafing areas.
- \* Check consumption for a few days. Increase or decrease number of tubs, or move them if necessary, to adjust for proper consumption.
- \* The horn fly is one of the most important and economically damaging pest of range cattle. In the United States they cost cattle producers approximately \$876 million every year.
- \* Altosid's (IGR) unique ingredient, methoprene, even controls horn flies resistant to the organophosphates and pyrethroids commonly used in conventional horn fly control products.
- \* Scientists estimate that an economical, effective program keeps the fly population below 200 flies per animal.
- \* Adult flies migrate from other herds. Altosid (IGR) feed thru does not kill adult flies.
- \* Altosid (IGR) prevents the flies from successfully multiplying, breaking the life cycle.