

SEP 10 1987

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Dr. Allen L. French
Moorman Manufacturing Company
1000 North 30th Street
Quincy, IL 62301-3496

Dear Dr. French:

Subject: Moorman's Hi-Mag IGR Minerals
EPA Registration No. 1157-44
Your Submission Dated March 20, 1987

The amendment referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), to amend your product's formulation by substituting calcium iodate for potassium iodide is acceptable provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

Joseph M. Tavano
Acting Product Manager (17)
Insecticide-Rodenticide Branch
Registration Division (TS-767C)

Enclosure

87556: I; Nelson: C. Disk: KENCO: 8/13/87: ron: vo: EK: TED

CONCURRENCES

SYMBOL	ORIGINATOR							
SURNAME								
DATE								

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ACCEPTED
with COMMENTS
in EPA Letter Dated:

SEP 10 1987

for the Federal Insecticide,
Fungicide, and Rodenticide Act
amended, for the pesticide
registered under EPA Reg. No.
1157-44

Hi-Mag[®]

IGR Minerals[®]

to prevent the breeding of horn flies in the manure of treated cattle.

pesticidally active mineral feed for beef and dairy cattle containing methoprene* insect growth regulator for continuous feeding during the fly season.

ACTIVE INGREDIENT: methoprene [Isopropyl(E,E)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate]*	0.02%
INERT INGREDIENTS:	99.98%
TOTAL	100.00%

GUARANTEED ANALYSIS

Calcium (Ca), not less than	9.2%
Calcium (Ca), not more than	11.0%
Phosphorus (P), not less than	6.0%
Sodium Chloride (NaCl), not less than	13.4%
Sodium Chloride (NaCl), not more than	16.0%
Iron (I), not less than	0.015%
Magnesium (Mg), not less than	14.0%
Vitamin A, not less than 200,000 International	

FEED INGREDIENTS

Magnesium Oxide, Dicalcium Phosphate, Defluorinated Phosphate, Calcium Carbonate, Salt, Cottonseed Meal, Vitamin A Acetate, D-Activated Animal Sterol (Source of Vitamin D₃—Stability Improved), Ferrous Sulfate, Calcium Sulfate, Manganous Oxide, Iron Oxide, Copper Carbonate, Zinc Oxide, Cobalt Carbonate, Calcium Iodate, Potassium Sulfate, Ethylenediamine Dihydriodide, Petrolatum, Cane Molasses, Silicon Dioxide, Mineral Oil, Sodium Selenite.

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MoorMan's Hi-Mag IGR Minerals INSTRUCTIONS FOR FEEDING

GENERAL CLASSIFICATION

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

This product only prevents emergence of adult horn flies from the manure of treated cattle. Begin use in the spring before horn flies appear on cattle and continue feeding until cold weather restricts horn fly activity. Introduction of the product when significant numbers of adult flies are present may require the use of adulticide sprays or dusts.

Free-Choice Feeding (self-feeding)

Make sure cattle are not starved for minerals or salt by providing them before feeding MoorMan's Hi-Mag IGR Minerals. Then remove salt or mineral supplement and start continuous feeding of MoorMan's Hi-Mag IGR Minerals.

The recommended consumption of MoorMan's Hi-Mag IGR Minerals is 0.25 lb ($\frac{1}{4}$ lb) to 0.5 lb ($\frac{1}{2}$ lb) per 100 lb of body weight per month. Place MoorMan's Hi-Mag IGR Minerals near watering or loafing areas and provide one feeder for each 15 to 20 head. Put out only a 5-7 day supply of MoorMan's Hi-Mag IGR Minerals at one time and protect it from rain.

If consumption of MoorMan's Hi-Mag IGR Minerals is above 0.5 lb ($\frac{1}{2}$ lb) per 100 lb of body weight per month, reduce the number of feeding stations or relocate feeders in areas frequented less by cattle.

If consumption of MoorMan's Hi-Mag IGR Minerals is below 0.25 lb ($\frac{1}{4}$ lb) per 100 lb of body weight per month, increase the number of feeding stations or relocate in areas more frequented by cattle.

Mixed Ration Feeding (hand-feeding)

When cattle are on supplemental feeds or if mineral consumption is not as recommended, mix MoorMan's Hi-Mag IGR Minerals with other non-medicated feeds and feed daily to provide 0.25 lb ($\frac{1}{4}$ lb) to 0.5 lb ($\frac{1}{2}$ lb) of MoorMan's Hi-Mag IGR Minerals per 100 lb of body weight per month.

STORAGE AND DISPOSAL

Do not contaminate water or food by storage or disposal.

STORAGE: Store in dry area. Do not contaminate with pesticides or fertilizer.

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: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

LOT

4614

Units per pound.

*As the insect growth regulator, ALTOSID[®] a trademark of
ZOECOR CORPORATION
US Pats. 3,904,662 & 3,912,815

Use this product only as specified on the back of the bag.
Keep out of reach of children.

CAUTION

Moorman Mfg. Co., General Office, Quincy, Illinois 62301-3496

EPA REG. NO. 1157-44 EPA Est. 1157-IL-1

651-Pr

Net Wt. 50 Lb

**LOT
NO.**