



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (N7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:

Date of Issuance:

1157-47

Term of Issuance:

Unconditional

Name of Pesticide Product:

MoorMan's IGR  
Minerals

NOTICE OF PESTICIDE:  
  X   Registration  
       Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

MoorMan's, Inc.  
1000 North 30th Street  
Quincy, Illinois 62305-3115

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Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA sec. 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following label changes:
  - a. Revise the EPA Registration Number to read, "EPA Reg. 1157-47".

Signature of Approving Official:

*Horé Chow*

Date:

*26 Nov 96*

3. Submit two copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 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.

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# MoorMan's® Hi-Phos IGR Minerals®

To prevent the breeding of horn flies in the manure of treated cattle only.

A 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%
<b>TOTAL</b> .....	<b>100.00%</b>

### GUARANTEED ANALYSIS

Calcium (Ca), not less than .....	11.00 %
Calcium (Ca), not more than .....	13.20 %
Phosphorus (P), not less than .....	12.00 %
Salt (NaCl), not less than .....	14.00 %
Salt (NaCl), not more than .....	16.80 %
Iodine (I), not less than .....	0.015 %
Magnesium (Mg), not less than .....	0.40 %
Potassium (K), not less than .....	0.20 %
Copper (Cu), not less than .....	1,100 ppm
Selenium (Se), not less than .....	39 ppm
Zinc (Zn), not less than .....	3,800 ppm
Vitamin A, not less than 200,000 International Units per pound	
Vitamin E, not less than 320 International Units per pound	

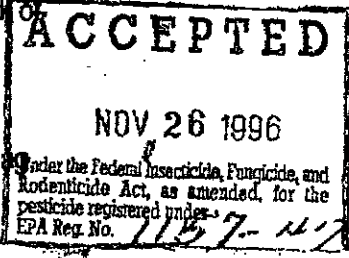
### INGREDIENTS

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

\*As the insect growth regulator, ALTOSID®, a trademark of Sandoz, Ltd.  
US Pat. 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 Manufacturing Company, General Office, Quincy, Illinois 62305-3115  
EPA REG. NO. 1157-\_\_ EPA EST. 1157-IL-1

**NET WT 50 LB (22.67 kg)**

## MoorMan's Hi-Phos 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-Phos IGR Minerals. Then remove salt or mineral supplement and start continuous feeding of MoorMan's Hi-Phos IGR Minerals.

The recommended consumption of MoorMan's Hi-Phos 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-Phos 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-Phos IGR Minerals at one time and protect it from rain.

If consumption of MoorMan's Hi-Phos 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-Phos IGR Minerals is below 0.25 lb ( $\frac{1}{4}$  lb) per 100 lb of body weight, 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-Phos 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-Phos 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.

PRODUCT NO.

Code: EPA1

LOT  
NO.