

# VITAVAX<sup>®</sup>-M

**ACCEPTED**

SEP 30 1998

**FLOWABLE FUNGICIDE  
(VITAVAX AND THIRAM  
PLUS MOLYBDENUM)**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 400-156

Net contents:

**COMPOSITION**

Active Ingredients: (% by weight)	
Carboxin (5,6-dihydro-2-methyl-N-phenyl-1, 4-oxathiin-3-carboxamide) .....	5.7%
Thiram (tetramethylthiuram disulfide) .....	5.7%
Inert Ingredients: .....	88.6%
Total: .....	100.0%

Contains 2.90% of elemental Molybdenum derived from sodium molybdate.

This product contains the toxic inert ingredient Rhodamine B dye.

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

### STATEMENT OF PRACTICAL TREATMENT

**IF IN EYES:** Immediately flush eyes with plenty of water. See a physician.

**IF SWALLOWED:** Call a physician or Poison Control Center immediately. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

**IF INHALED:** See a physician if an abnormal reaction occurs.

**IF ON SKIN:** Wash thoroughly with soap and water.

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Causes eye and skin irritation. Harmful if swallowed, inhaled, or absorbed through skin. Do not get in eyes, on skin, or on clothing. Do not use or store near food or feed. Avoid inhaling spray mist. Consumption of alcoholic beverages increases the toxic effects of thiram.

#### PERSONAL PROTECTIVE EQUIPMENT

**Applicators and Other Handlers Must Wear:** A long-sleeved shirt & long pants; waterproof gloves; shoes plus socks; protective eyewear.

For exposures in enclosed areas: A respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N,R,P, or HE prefilter. For exposure outdoors: Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N,P,R, or HE filter.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified by WPS.

#### USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

#### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not contaminate water when disposing of equipment washwaters. Drift or runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark.

#### PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

**UNIROYAL  
CHEMICAL**

## DIRECTIONS FOR USE

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

Do not apply this product through any type of irrigation system.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

Exception: if the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- coveralls
- waterproof gloves
- shoes plus socks
- protective eyewear

VITAVAX-M Flowable Fungicide is a ready-to-use seed treatment. VITAVAX-M Flowable Fungicide combines the systemic action of carboxin with the surface action of thiram to control various seed and seedling diseases. VITAVAX-M Flowable Fungicide also contains the micronutrient molybdenum.

Mix well before use: Apply VITAVAX-M Flowable Fungicide directly to seed in hopper box. Partially fill hopper box with a premeasured amount of seed. Apply the proper amount of VITAVAX-M Flowable Fungicide evenly over the surface of the seed. Mix with a stick or paddle until a uniform color is imparted to all seed. Repeat procedure until hopper box is filled.

For mechanical seed treaters apply VITAVAX-M Flowable Fungicide at a dosage of twelve fl. oz. per 100 pounds of seed directly to a premeasured amount of seed and mix thoroughly until all seed have a uniform color.

### SOYBEANS AND DRY BEANS

For control of *Rhizoctonia solani*, use 6 fl. oz. of VITAVAX-M Flowable Fungicide per bushel of seed or 12 fl. oz. per 100 pounds of seed. On soybeans do not graze or feed livestock on forage and hay on treated areas. On dry beans, do not allow livestock to graze or feed on bean forage until 60 days after treated seed is planted.

### RICE

VITAVAX-M Flowable Fungicide is particularly effective against *Rhizoctonia solani* and *Helminthosporium oryzae*.

Use 9-12 fluid ounces of VITAVAX POUR-ON Flowable Fungicide per 100 pounds of seed applied as a pour-on treatment or by machine. The higher rate is recommended for control of *Helminthosporium oryzae*.

## BARLEY, OATS, WHEAT AND TRITICALE

VITAVAX-M Flowable Fungicide provides control of the following diseases:

Barley - loose smut (*Ustilago nuda*)  
covered smut (*U. hordei*)

Oats - loose smut (*U. avenae*)  
covered smut (*U. kolleri*)

Wheat - loose smut (*U. tritici*)  
common bunt (*Tilletia caries*)

Triticale - seed decay, damping off, and seedling blight.

Use at the rate of 9-12 fluid ounces per 100 pounds of seed as a pour on treatment. Uniform coverage is essential for product performance. Use the higher rate under conditions of expected heavy disease pressure. Do not graze or feed livestock on treated areas for six weeks after planting.

### COMPATIBILITY

VITAVAX-M Flowable Fungicide should not be tank mixed with any pesticide unless adequate physical compatibility and phytotoxicity tests have been completed and proved to be satisfactory.

### USE RESTRICTIONS

This product contains a dye which imparts an unnatural color to the seed to help prevent the inadvertent use of treated seed for oil purposes or as food for man or feed for animals. Treated seed must not be used for or mixed with food or animal feed, or processed for oil. Treat only those seeds needed for immediate use, minimizing the interval between treatment and planting. Do not store excess treated seeds beyond planting time.

### SEED LABELING

"This seed is treated with carboxin and thiram (VITAVAX-M Flowable Fungicide) at the manufacturer's recommended rate. Do not use treated seed for food, feed or oil purposes. On oats, barley, wheat and triticale, do not graze or feed livestock on treated areas for six weeks after planting. On soybeans, do not graze or feed livestock on forage and hay in treated areas. On dry beans, do not allow livestock to graze or feed on bean forage until 60 days after treated seed is planted." Add appropriate information for any other chemical treatments.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal. PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

### EMERGENCY ASSISTANCE:

UNIROYAL CHEMICAL EMERGENCY PHONE	203-723-3670
SAFETY DATA AND INFORMATION	203-573-3303
TRANSPORTATION EMERGENCY (CHEMTREC)	800-424-9300

IMPORTANT NOTICE - Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions and instructions specified on the label under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product, contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

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