

Vitavax[®]-34

Seed Treatment Fungicide

Active Ingredient: (% by weight)

Carboxin (5,6-dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide* 34%

Inert Ingredients: 66%

Total: 100%

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

- IF INHALED:**
- Move person to fresh air.
 - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
 - Call a poison control center or doctor for further treatment advice.

EMERGENCY ASSISTANCE: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

EMERGENCY PHONE	800-292-5898
SAFETY DATA AND INFORMATION	866-430-2775
TRANSPORTATION EMERGENCY (CHEMTREC)	800-424-9300

Net Contents:

EPA REG. NO. 400-107
EPA EST. NO.
008/031210

Manufactured for:
Chemtura Corporation
199 Benson Road
Middlebury, CT 06749



www.chemtura.com

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

Harmful if inhaled. Avoid breathing vapor.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category E on an EPA chemical resistance category selection chart.

Applicators and Other Handlers Must Wear: A long-sleeved shirt and long pants; shoes plus socks.

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 in the 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

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 area where surface water is present or to intertidal areas below the mean highwater mark.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all label directions carefully before use.

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 Part 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 intervals. 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 12 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
- chemical-resistant gloves such as barrier laminate or nitrile rubber or neoprene, or viton
- shoes plus socks

VITAVAX®-34 Seed Treatment Fungicide is a ready-to-use seed treatment which should be applied as a slurry treatment by machine. Use the higher rate under conditions of expected heavy disease pressure.

BARLEY, OATS, WHEAT AND TRITICALE

For the control of loose smut (*Ustilago nuda*), covered smut (*Ustilago hordei*) of barley, loose smut (*Ustilago avenae*), covered smut (*Ustilago kollerii*) of oats, loose smut (*Ustilago tritici*) and common bunt (*Tilletia caries*) and flag smut* (*Urocystis agropyri*) of wheat. Use at the rate of 2-3 fluid ounces per 100 pounds of seed.

Do not graze or feed livestock on treated areas for six weeks after planting.

*Use not registered by the California Department of Pesticide Regulation

CORN

VITAVAX®-34 controls seed and seedling diseases and provides systemic control of seedborne head smut (*Sphacelotheca reiliana*). VITAVAX-34 is also particularly effective against *Rhizoctonia solani*. VITAVAX-34 should be used at a rate of 2 to 4 fluid ounces per 100 pounds of seed when applied to seed that has been treated or will be treated with protectant fungicides such as captan or thiram.

Do not graze or feed livestock on treated areas for six weeks after planting.

COTTON

VITAVAX-34 controls *Rhizoctonia solani* on cotton. When planting cottonseed early season in cold soils, use the highest recommended rate per 100 pounds of seed. Under early, cold planting conditions, use an EPA approved in-furrow granule to aid in disease control. VITAVAX-34 should be used at the rate of 4 fluid ounces to 8 fluid ounces per 100 pounds of cottonseed. Mix with enough water to apply mixture (slurry) at the rate of twenty (20) fluid ounces per 100 pounds of seed.

Do not graze or feed livestock on hay grown from treated seed.

BEANS

VITAVAX-34 should be used at the rate of 3-4 fluid ounces per 100 pounds of seed for the control of seedling diseases for beans. Do not allow livestock to graze or feed on bean forage until 60 days after treated seed is planted.

SOYBEANS

VITAVAX-34 should be used at the rate of 3-4 fluid ounces per 100 pounds of seed for the control of seedling diseases in soybeans. Do not graze or feed livestock on forage and hay grown for treated seed.

SAFFLOWER*

Use 2 fluid ounces of VITAVAX-34 per 100 pounds of seed for control of seedling diseases.

*Use not registered by the California Department of Pesticide Regulation

ORNAMENTAL BULBS & CORMS*

EASTER LILIES — For control of *Rhizoctonia* root rot, mix 1 1/2 to 3 quarts of VITAVAX-34 in 100 gallons of water. Dip bulbs for at least 5 to 15 minutes in solution. A sticking agent may be added. Maintain good agitation in dip tanks.

OTHER ORNAMENTAL BULBS/CORMS — Follow directions above for Easter Lilies when treating other ornamental bulbs and corms. A preliminary trial must be conducted prior to large scale dipping to determine individual plant tolerance.

USE PRECAUTIONS FOR BULB DIPS — Do not mix insecticides in this dipping solution. Wear chemical-resistant gloves (such as barrier laminate or nitrile rubber or neoprene, or viton) when dipping bulbs or handling treated bulbs/corms. Rinse gloves before taking them off, then wash your hands. Check gloves for holes. If they are damaged, get a new pair.

*Use not registered by the California Department of Pesticide Regulation

COMPATIBILITY

VITAVAX-34 can be used in combination with other flowable seed protectant fungicides and insecticides. Consult a seed treatment specialist regarding combining of products with VITAVAX-34 for specific seed crop applications and slurry compatibility. Tank mixes should be pre-tested to determine physical compatibility between formulations, and to assure there will be no adverse phytotoxic reactions.

USE RESTRICTIONS

When using formulations that do not contain dye, to comply with 21CFR Chapter 1, Section 2.25 and 40 CFR 153.155, treated seed must be colored with an approved dye (40 CFR 108.1001) to distinguish and prevent subsequent and inadvertent use 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 (VITAVAX) at the manufacturer's recommended rate. Do not use treated seed for food, feed or oil purposes.

On barley, corn, oats, wheat and triticale: Do not graze or feed livestock on treated areas for six weeks after planting.

On cotton: Do not graze or feed livestock on hay grown from treated seed.

On beans: Do not allow livestock to graze or feed on bean forage until 60 days after treated seed is planted.

On soybeans: Do not graze or feed livestock on forage and hay grown from treated seed."

Add appropriate information for any other chemical treatments."

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry location. Do not store in direct sunlight. Protect from extreme temperatures.

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

CONTAINER DISPOSAL:

Nonrefillable Container

Plastic Containers: Do not reuse or refill this container. Triple rinse (or equivalent) container promptly after emptying. Then offer container for recycling, if available, reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Triple rinse as follows:

For containers with capacity equal to or less than 5 gallons or 50 pounds: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

For containers with capacities greater than 5 gallons or 50 pounds: Empty remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

Refillable Container

Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

Recycling

Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact the Ag Container Recycling Council (ACRC) at 1-877-952-2272 (toll free) or <http://www.acrecycle.org>

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 conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

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