



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

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**AUG 12 1994**

Uniroyal Chemical Company, Inc.  
74 Amity Road  
Bethany, CT 06524-3402

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

**Subject:** Label Amendment Submission of (date) in Response to PR Notice 93-7  
EPA Reg. No. 400-438  
**Vitavax Extra**

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

**WHAT THIS ACCEPTANCE MEANS:**

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

**WHAT YOU NEED TO DO NEXT:**

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



**Recycled/Recyclable**  
Printed with Soy/Canola Ink on paper that  
contains at least 50% recycled fiber

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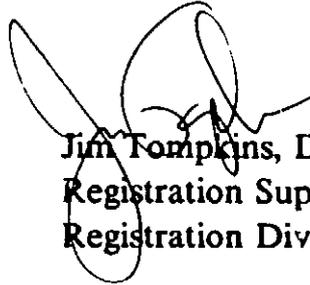
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs (7505C)  
U.S. Environmental Protection Agency  
401 M Street, SW  
Washington, D.C. 20460-0901

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief  
Registration Support Branch  
Registration Division (7505W)

Attachment

Uniroyal Chemical Company, Inc.  
74 Amity Road  
Bethany, CT 06524-3402

**Vitavax Extra**  
EPA Reg. No. 400-438

**Comments:**

Since the product label reflects no re-entry restrictions, worker notification, or other restrictions for the commercial seed treatment use, the "Non-Agricultural Use Requirements" box should be removed, as it is unnecessary.

# VITAVAX®-EXTRA

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## FLOWABLE FUNGICIDE

VITAVAX-EXTRA contains three active ingredients, carboxin, imazalil, and thiabendazole.



ACCEPTED  
with COMMENTS  
In EPA Letter Dated

AUG 12 1994

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

400-438

### COMPOSITION

Active Ingredients: (% by weight)	
Carboxin: 5,6-dihydro-2-methyl-N-phenyl-1, 4-oxathiin-3-carboxamide .....	27.8%
Imazalil: 1-[2-(2,4-dichlorophenyl)-2-(2-propenyloxy)-ethyl]-1H-imidazole .....	2.0%
Thiabendazole: 2-(4-Thiazolyl)-benzimidazole .....	2.5%
Inert Ingredients .....	67.7%
Total: .....	100.0%

Contains 2.5 pounds carboxin, 0.17 pounds of imazalil, and  
0.21 pounds of thiabendazole per U.S. gallon.

UNIROYAL CHEMICAL COMPANY, INC., Middlebury, CT 06749

004WPS

EPA REG. NO. 400-438

EPA EST. NO.

VITAVAX is a Registered Trademark of Uniroyal Chemical Company, Inc.

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Contains imazalil, a product of Janssen Pharmaceutica N.V., Beerse, Belgium

NET WEIGHT

## KEEP OUT OF REACH OF CHILDREN CAUTION

### STATEMENT OF PRACTICAL TREATMENT

**IF ON SKIN:** Wash thoroughly with plenty of soap and water. Get Medical Attention.

**IF SWALLOWED:** Call a physician or Poison Control Center. 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:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get Medical Attention.

**IF IN EYES:** Flush eyes with plenty of water. Call a physician if irritation persists.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS

#### AND DOMESTIC ANIMALS

#### CAUTION

Harmful if swallowed, inhaled, or absorbed through skin. Avoid breathing vapor or spray mist. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing.

#### 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 & long pants; chemical-resistant gloves such as barrier laminate, or nitrile rubber, or neoprene rubber, or viton; 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 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. Do not apply directly to water, to areas where water is present or to intertidal areas below the mean high water mark. Dispose of excess treated seed by burial, away from bodies of water.

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## 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 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 48 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 rubber, or viton
- shoes plus socks

**SEED TREATMENT:** VITAVAX-EXTRA Flowable Fungicide is a ready-to-use seed treatment for use by commercial seed treaters or on-farm applicators.

VITAVAX-EXTRA Flowable Fungicide combines the systemic action of carboxin, thiabendazole and imazalil to reduce seed rot/seedling blight diseases. It is particularly effective against *Rhizoctonia solani* and various *Helminthosporium* and *Fusarium*, species. This often results in increased and more uniform stands of seedlings with higher yield potential.

**COMPATIBILITY:** VITAVAX-EXTRA Flowable Fungicide should not be tank mixed with any pesticide or additive unless adequate physical compatibility and phytotoxicity tests have been completed and proved to be satisfactory.

**On Farm Seed Treatment:** Application should be made using standard mechanical, slurry or mist-type seed treatment equipment. Uniform application to seed is necessary to insure seed safety and best disease control. Seed should be sound and well cured prior to treatment. With high seed temperatures and when treating at low relative humidity, dilution with clean water will assist in achieving adequate seed coverage. Do not exceed 4 parts water per 1 part product. Dilution of product requires mechanical agitation.

### WHEAT

In addition to the above, seed borne net blotch and *Septoria nodorum*, and loose smut (*Ustilago tritici*), and common bunt (*Tilletia caries*) are controlled in wheat. VITAVAX-EXTRA Flowable Fungicide provides protection against the seed and soil borne phases of the common root-disease complex.

Use 3 fluid ounces of VITAVAX-EXTRA Flowable Fungicide per 100 pounds of seed. VITAVAX-EXTRA Flowable Fungicide should be applied as a slurry treatment by machine.

### NON-AGRICULTURAL USE REQUIREMENTS

The uses following this box are uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

**Commercial Seed Treatment:** Application should be made using standard mechanical, slurry or mist-type seed treatment equipment. Uniform application to seed is necessary to insure seed safety and best disease control. Seed should be sound and well cured prior to treatment. With high seed temperatures and when treating at low relative humidity, dilution with clean water will assist in achieving adequate seed coverage. Do not exceed 4 parts water per 1 part product. Dilution of product requires mechanical agitation.

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**NOTE TO USER:** Combination treatments of VITAVAX-EXTRA Flowable Fungicide with products containing Lindane may result in delayed emergence and stunting of wheat, however, plants will usually outgrow this effect. Do not carry over seed treated with Lindane to the next crop season. Minimize time between treating and planting for such treatments.

### USE RESTRICTIONS

Do not use treated seed for food, feed or oil purposes. Care must be exercised in the handling of treated seed.

### USE PRECAUTION

When using formulations that do not contain dye, to comply with 21 CFR Chapter 1, Section 2.25 all grain seed treated with an economic poison must be colored with an approved dye (40 CFR 180.1001) to distinguish and prevent subsequent and inadvertent use as a food for man or feed for animals.

### SEED LABELING

1. This seed is treated with carboxin, imazalil, and thiabendazole (VITAVAX-EXTRA Flowable Fungicide) at the manufacturer's recommended rate.
2. Do not use treated seed for food, feed or oil purposes.
3. **Planting Note:** Seed treated with VITAVAX-EXTRA Flowable Fungicide does not flow as freely as untreated seed. The drill should therefore be adjusted to compensate for this restricted flow to prevent lower than desired seed rates.
4. Augers used for handling treated seed should not be used to move seed for feed, food or oil processing.
5. Do not re-use bags from treated seed to handle food or feed products.
6. Do not graze or feed livestock on treated areas for six weeks after planting.

Add appropriate information for any other chemical treatments. Consult the manufacturer for additional tagging requirements.

### NOTICE - READ CAREFULLY LIMITED WARRANTY STATEMENT

Treatment of highly mechanically damaged seed or seed of low vigor and poor quality, except for the purposes of curative control of existing disease of insect pests, may result in reduced germination and or reduction of seed and seedling vigor. Treat and conduct germination tests on a small portion of seed before committing the total seed lot to a selected chemical treatment. Due to seed quality conditions

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beyond the control of Uniroyal Chemical Company Inc., no claims are made to guaranteed germination of carry-over seed.

Uniroyal Chemical Company, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label only when used in accordance with directions and instructions specified on the label. Uniroyal Chemical Company, Inc. neither makes, nor authorizes any agent or representative to make any other warranty of FITNESS or MERCHANTABILITY, guarantee or representation, expressed or implied, concerning this material. In the event of any breach of this limited warranty. Uniroyal Chemical Company, Inc. shall not be liable for consequential damages.

### STORAGE AND DISPOSAL

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

**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 waste disposal facility.

**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.

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