



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

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OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

Mr. Raymond A. Cardona
Uniroyal Chemical Company
74 Amity Road
Bethany, CT 06525

SEP 22 1987

Dear Mr. Cardona:

Subject: VITAVAX- Fungicide
EPA Registration No. 400-80
VITAVAX- T
EPA Registration No. 400-92
VITAVAX
EPA Registration No. 400-106
VITAVAX- Flowable Fungicide
EPA Registration No. 400-107
VITAVAX- 17 Flowable Fungicide
EPA Registration No. 400-113
VITAVAX- 25DB
EPA Registration No. 400-115
Plantvax 75W
EPA Registration No. 400-144
VITAVAX- 3F
EPA Registration No. 400-152
Your Submission Dated August 18, 1987

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable subject to the comments listed below. Five copies of each finished labeling must be submitted.

Since dosage rates are given for most crops include a general statement indicating when to use the high and low rates of the range.

Sincerely yours,

Lois A. Rossi
Product Manager (21)
Fungicide- Herbicide Branch
Registration Division (TS-767C)

VITAVAX®

FLOWABLE FUNGICIDE

ACCEPTED
with COMMENTS
in EPA Letter Dated:

SEP 22 1987

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

400-107



**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS**
CAUTION
AVOID CONTACT WITH SKIN, EYES, OR CLOTHING. WASH HANDS AND FACE THOROUGHLY WITH SOAP AND WATER AFTER USE, AND BEFORE EATING OR SMOKING.
ENVIRONMENTAL HAZARDS
This product is toxic to fish. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.
Exposed treated seeds may be hazardous to birds and other wildlife. Dispose of all treated seeds by burial away from bodies of water.
PHYSICAL or CHEMICAL HAZARDS
Do not use or store near heat or open flame.

COMPOSITION

Active Ingredients: (% by weight)	
Carboxin (5,6-dihydro-2-methyl-N-phenyl-1,4-oxathiazin-3-carboxamide)*	34.0%
Inert Ingredients:	66.0%
Total:	100.0%

*Contains 3.34 pounds of active Carboxin per gallon.

This product contains the toxic Inert Ingredient Rhodamine B dye.

STORAGE AND DISPOSAL
Do not contaminate water, food or feed by storage or disposal.
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: 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.

KEEP OUT OF REACH OF CHILDREN
CAUTION
STATEMENT OF PRACTICAL TREATMENT
IF SWALLOWED: Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger or blunt object. Do not induce vomiting or give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.
IF INHALED: See a physician if an abnormal reaction occurs.
IF ON SKIN: Wash thoroughly with soap and water.
IF IN EYES: Immediately flush eyes with plenty of water and get medical treatment.
SEE LEFT SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENT.

UNIROYAL CHEMICAL COMPANY, INC.
Middlebury, CT 06749
EPA REG. NO. 400-107
EPA EST. NO. 7-2-87
Lot. No.
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NET WEIGHT:

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.

VITAVAX Flowable Fungicide is a ready-to-use seed treatment which should be applied as a slurry treatment by machine.

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*) of wheat. Use at the rate of 2-3 ounces per 100 pounds of seed.

CORN

VITAVAX Flowable Fungicide controls seed and seedling diseases and provides systemic control of seedborne head smut (*Sphacelotheca reiliana*). VITAVAX Flowable Fungicide is also particularly effective against *Rhizoctonia solani*. VITAVAX Flowable Fungicide should be used at a rate of 2 to 4 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.

COTTON

"VITAVAX Flowable Fungicide 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 Flowable Fungicide 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".

BEANS

VITAVAX Flowable Fungicide 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 Flowable Fungicide 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 on treated areas.

SAFFLOWER (Except California)

Use 2 fluid ounces of VITAVAX Flowable Fungicide per 100 pounds of seed for control of seedling diseases.

COMPATIBILITY

VITAVAX Flowable Fungicide can be used in combination with Gustafson's Captan 30-DD and CAPTAN-300 or Gustafson's 42-S flowable seed protectants. All other tank mixes should be pre-tested to determine physical compatibility between formulations, and to assure there will be no adverse phytotoxic reactions.

FOR CORN SEED ONLY

VITAVAX Flowable Fungicide may be tank mixed with the following registered pesticides: Orthocide* 75 Seed Protectant, Orthocide* Methoxychlor 75-3 Seed Protectant, Captan 80 Seed Protectant, Captan Methoxychlor 75-2 Seed Protectant, and Cythion** E-F. Do not allow mixtures to stand overnight. Thoroughly clean equipment between treating operations.

*Orthocide® trademark of Chevron Chemical Company.

**Cythion® trademark of American Cyanamid.

Observe all cautions and limitations on labeling of all products used in mixture with this product only as specified on this label.

USE RESTRICTIONS

When using formulations that do not contain dye, to comply with 21CFR Chapter 1, Section 2.25, all grain seed treated with an economic poison 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. Do not graze or feed livestock on treated areas for six weeks after planting.

SEED LABELING

"Treated seed must not be used for or mixed with food or animal feed, or processed for oil. Seed commercially treated with VITAVAX Flowable Fungicide must be labeled in accord with all applicable requirements of the Federal Seed Act. On corn, barley, and wheat, do not graze or feed livestock on treated areas for six weeks after planting". Add appropriate information for any other chemical treatments.

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.