

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JAN 26 1994

Dr. Gregory R. Watson
Ciba-Geigy Corporation
Plant Protection Division
P.O. Box 18300
Greensboro, NC 27419-8300

Dear Dr. Watson:

Subject: Label Amendment - Twin-Pak for Winter Wheat
Tilt
EPA Reg. No. 100-617
Topsin M4.5F
EPA Reg. No. 4581-352
Your Submission Dated October 13, 1993

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. A copy of the stamped label is enclosed for your records. Five copies of the finished labeling must be submitted prior to releasing the product for shipment.

Note that this acceptance of your label does not relieve you of your obligation to comply with the Worker Protection Standard. If any of your products are covered by this standard, you are required to submit, and receive the Agency's approval by April 21, 1994, a revised label reflecting the required label statements of 40 CFR 156, published in the FEDERAL REGISTER on August 21, 1992 (57FR 38102). Further guidance will be issued. According to 40 CFR 156, subpart K: "No product to which this subpart applies shall be distributed or sold without amended labeling by any registrant after April 21, 1994." Please call 1-800-777-2185 if you have any labeling questions regarding the Worker Protection Standard.

1) To avoid confusion which may arise from using ~~of~~ two sets of Worker Protection Statements [which differ due to variations among the personal protective equipment (PPE) requirements and reentry intervals], the most restrictive language (that of Tilt) must be used. Delete the information on page five for Topsin and

SYMBOL	7505C						
SURNAME	D Greenway						
DATE	1/25/94						

on page four delete "Tilt", or indicate that this section pertains to "Tilt Plus". Additionally, on pages nine and ten, revise to include a single recommendation regarding PPE for the product. Use the language included for Tilt.

2) Under the heading "General Information", replace "fungicide" with "combination of fungicides", or similar wording.

3) Under the heading "Environmental Hazards", delete the last sentence. If there are any endangered species concerns from the use of this product, appropriate labeling must be included on this label.

Should you have questions or concerns about this letter, please contact Denise Greenway, on (703) 305-5542.

Sincerely yours,



Sidney C. Jackson
Acting Product Manager (21)
Fungicide-Herbicide Branch
Registration Division (7505C)

Enclosure

7505c:DGGreenway:DLG:305-5542:1-27-94:B:TILTPLUS.LTR

2/14

ACCEPTED
with COMMENTS
in EPA Letter Dated
JAN 26 1994

Tilt® Plus
Marketing Label Booklet

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
100-617

TWIN PAK™

Tilt® Plus

FUNGICIDE

**FOR CONTROL OF FOOT ROT AND EARLY SEASON CONTROL OF FOLIAR DISEASES
IN FALL-SEEDED WHEAT IN IDAHO, OREGON AND WASHINGTON ONLY.**

Tilt® Fungicide

Active Ingredient: Propiconazole:

1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-
2-yl]methyl]-1H-1,2,4-triazole 41.8%

Inert Ingredients: 58.2%

Total: 100.0%

40 fl. oz.

U.S. Standard Measure

EPA REG. NO. 100-617

EPA Est. 100-AL-1

KEEP OUT OF REACH OF CHILDREN.

WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Topsin® M 4.5F

Active Ingredient: Thiophanate-methyl

(dimethyl[(1,2-phenylene)-bis(iminocarbonothioyl)]bis(carbamate))* 46.2%

Inert Ingredients: 53.8%

Total: 100.0%

100 fl. oz.

U.S. Standard Measure

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EPA Reg. No. 4581-352

EPA Est. 100-AL-1

KEEP OUT OF REACH OF CHILDREN.

CAUTION

SHAKE WELL BEFORE USING

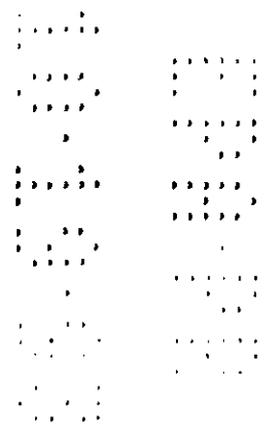
See additional precautionary statements and directions for use inside booklet.

Using label instructions, apply the entire contents of this container to the target crop once the container is opened.

CGA 72L18 XXX

Ciba (logo)

Ciba-Geigy



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 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

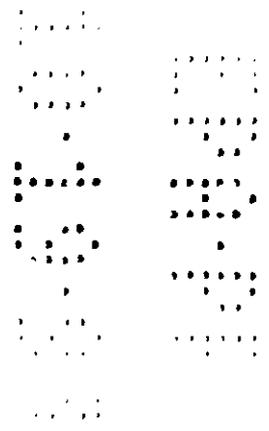
Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements 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 interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Tilt:

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

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 viton
- Shoes plus socks
- Protective eyewear



Topsin® M 4.5F:

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

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

General Information

Tilt Plus is a fungicide for the control of foot rot (*Pseudocercospora* sp.) and early season foliar diseases on fall-seeded wheat in Idaho, Oregon, and Washington only. Using label instructions, apply the entire contents of this container to the target crop once the container is opened.

Important: Do not apply to other cereals such as barley, oats, and rye. Do not use in nurseries, on turf, landscape plantings, or as a tree injection.

FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR DISEASE CONTROL, OR ILLEGAL RESIDUES.

Spray Equipment

Thorough coverage is necessary to provide good disease control.

To avoid spray drift, do not apply when conditions favor drift beyond the target area. Avoid spray overlap, as crop injury may occur.

Equip sprayers with nozzles that provide accurate and uniform application. Be certain that nozzles are the same size and uniformly spaced across the boom. Calibrate sprayer before use.

Use a pump with capacity to (1) maintain 35-40 psi at nozzles, and (2) provide sufficient, continuous agitation in tank to keep mixture in suspension - this requires recirculation of 10 percent of tank volume per minute. Use a jet agitator or liquid sparge tube for agitation. Do not air sparge.

It is suggested that screens be used to protect the pump and to prevent nozzles from clogging. Screens placed on suction side of pump should be 16-mesh or coarser. Do not place a screen in the recirculation line. Use 50-mesh or coarser screens between the pump and boom, and where required, at the nozzles. Check nozzle manufacture's recommendations.

For more information on spray equipment and calibration, consult sprayer manufacturers and state recommendations. For specific local directions and spray schedules, consult the current state agricultural experiment station recommendations.

Aerial Application: Apply in a minimum of 5 gals. of water/A. Avoid application under conditions when uniform coverage cannot be obtained or when excessive spray drift may occur. Do not apply directly to humans or animals.

Ground Application: Apply Tilt Plus by ground equipment in a minimum of 15 gals. of water/A.

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

Mixing Instructions

Prepare no more spray mixture than is required for the immediate operation. When the container is opened, immediately pour the entire contents of this container into the spray tank. Rinse spray

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tank thoroughly with clean water after each day's use and dispose of pesticide rinsate by application to an already treated area.

Important: Custom applicators must use a closed system for mixing and loading this product.

Tilt Plus Alone: Add 1/2 to 2/3 of the required amount of water to the spray tank. Set the agitator to produce a rippling or rolling movement on the surface of the mix water. With the agitator running, add all of the contents of both chambers of the Tilt Plus container to the tank immediately. Continue agitation while adding the remainder of the water. Begin application of the spray solution after the Tilt Plus has completely dispersed into the mix water. Maintain agitation until all of the mixture has been sprayed.

Tilt Plus + Tank Mixtures: Consult your dealer or Ciba Plant Protection sales representative for information concerning the compatibility with other tank mix partners. Note: When using Tilt Plus in mixture, any product in water soluble packaging should be added to the tank prior to adding Tilt Plus. Allow water soluble packaging to completely dissolve and the mixture product to completely disperse before adding Tilt Plus to the tank.

Add 1/2 to 2/3 of the required amount of water to the spray tank. Set the agitator to produce a rippling or rolling movement on the surface of the mix water. With the agitator running, add the tank mix partners to the spray tank. In general, tank mix partners should be added in this order: wettable powders, dry flowable formulations, liquid flowable formulations, and emulsifiable concentrations. Always allow each tank mix partner to become fully dispersed before adding the next product. Continue agitation while adding the remainder of the water and the Tilt Plus to the spray tank. Add all of the contents of both chambers of the Tilt Plus container to the tank at once. Allow the Tilt Plus to become completely dispersed into the mix water. Maintain agitation throughout the spraying operation.

If using Tilt Plus in a tank mixture, observe all directions for use, crops/sites, use rates, dilution ratios, precautions, and limitations which appear on the tank mix partner label. No label dosage rate should be exceeded and the most restrictive label precautions and limitations should be followed. This product should not be mixed with any product which prohibits such mixing. Tank mixtures or other applications of products referenced on this label are permitted only in those states in which the products are registered.

Important: Do not tank mix with highly alkaline pesticides.

Rotational Crops

Soybeans may be planted as a double crop following a wheat crop which has been treated with Tilt Plus. Do not use hay, forage, or fodder from the soybean crop as any component of animal feed or bedding.

To avoid possible illegal residues, do not plant any other crop intended for food, grazing, or any component of animal feed or bedding within 105 days of Tilt Plus application to the preceding crop, unless the second crop appears on the following list: Barley, Celery, Grasses Grown for Seed, Rice, Rye, Wheat.

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Fall-Seeded Wheat in Idaho, Oregon, and Washington Only

For the control of foot rot (*Pseudocercospora* sp.) and the early season control of rusts (*Puccinia* sp.), powdery mildew (*Erysiphe graminis*), leaf and glume blotch (*Septoria* sp.), tan spot (*Pyrenophora tritici-repentis*), and Helminthosporium leaf blight, use the entire contents of this container to treat 10 acres of fall-seeded wheat. Apply Tilt Plus at tillering but before stem elongation has occurred.

Notes: (1) Do not make more than one application of Tilt Plus per growing season. After applying Tilt Plus to fall-seeded wheat, do not apply Tilt®, Tilt® Gel, Topsin® 4.5M, Topsin M 70W, or any other product containing thiophanate methyl during the remainder of the growing season. (2) Do not graze or feed livestock treated forage or cut the green crop for hay or silage. After harvest the straw may be used for bedding or feed. (3) Using label instructions, apply the entire contents of this container to the target crop once the container is opened.

Storage and Disposal

Storage Instructions: Store in the original container at temperatures above 32°F. Using label instructions, apply the entire contents of this container to the target crop once the container is opened.

Pesticide Disposal

Do not contaminate water, food or feed by storage or disposal. Pesticide wastes may be toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of federal law. If these wastes cannot be used 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 in proper disposal methods.

Container Disposal

Do not reuse empty container. Triple rinse container (or equivalent) and then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. Stay out of smoke from burning containers.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372 day or night.

Precautionary Statements

Tilt®:

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Hazards to Humans and Domestic Animals

WARNING/AVISO

This product may cause skin sensitization reactions in certain individuals.

Causes eye irritation. Do not get in eyes, on skin, or on clothing. Harmful if swallowed, inhaled, or absorbed through skin. Avoid breathing spray mist.

Statement of Practical Treatment

If in eyes: Flush with plenty of water. Get medical attention if irritation persists.

If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

If swallowed: Do not induce vomiting. Promptly drink a large quantity of milk, egg whites, or gelatin solution. If these are not available, drink large quantities of water. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

If inhaled: Move victim to fresh air.

Note to Physician: There is no specific antidote for this product. Induce emesis or lavage stomach, taking care to avoid aspiration of stomach contents into lungs. Give a saline laxative and supportive therapy.

Personal Protective Equipment (PPE):

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

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate or viton
- Shoes plus socks
- Protective eyewear

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Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Topain® M 4.5F:

Hazards to Humans and Domestic Animals

CAUTION

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

Statement of Practical Treatment

If in eyes: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

If on skin: Immediately flush skin with plenty of water. Get medical attention if irritation persists.

If swallowed: Induce vomiting immediately by giving two glasses of water and sticking finger down throat. Call a physician. Never give anything by mouth to an unconscious person.

Personal Protective Equipment (PPE):

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Tilt® Plus:

Engineering Control Statements:

When handlers use closed systems, enclosed cabs, or aircraft 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:

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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.
 - Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
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Environmental Hazards

This pesticide is toxic to fish. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters. Refer to product labeling for use restrictions to protect endangered species.

Physical and Chemical Hazards

Do not use, pour, spill, or store near heat, open flame, or hot surfaces.

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U. S. Patent No. 4,079,062

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Ciba Plant Protection
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Greensboro, NC 27419

CGA

Product ID.

Draft Tilt Plus label
10/11/93 / GRW

