



United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☐ Amendment  
☒ Other

OPP Identifier Number  
Notification

### Application for Pesticide - Section I

|   |  |  |
|---|--|--|
| 1. Company/Product Number<br><del>100-517</del> (Tilt) 50534-188 (Bravo)  | 2. EPA Product Manager<br>Mary Waller  | 3. Proposed Classification<br><input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name)<br>Tilt/Bravo Fungicide   | PM#<br>21  |  |
| 5. Name and Address of Applicant (Include ZIP Code)<br>Novartis Crop Protection, Inc.<br>P. O. Box 18300<br>Greensboro, NC 27419<br><br><input type="checkbox"/> Check if this is a new address | 6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:<br><br>EPA Reg. No. _____<br>Product Name _____ |  |

### Section - II

|  |  |
|--|--|
| <input type="checkbox"/> Amendment - Explain below.                            | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ |
| <input type="checkbox"/> Resubmission in response to Agency letter dated _____ | <input type="checkbox"/> "Me Too" Application.   |
| <input checked="" type="checkbox"/> Notification - Explain below.              | <input type="checkbox"/> Other - Explain below.  |

**Explanation:** Use additional page(s) if necessary. (For Section I and Section II.)

Notification of addition of a pest per PR Notice 95-2

This notification is consistent with the provisions of PR Notice 95-2 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1031 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 95-2 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

### Section - III

|   |  |   |   |  |   |
|---|--|---|---|--|---|
| 1. Material This Product Will Be Packaged In:   |  |   |   | 2. Type of Container                           |   |
| Child-Resistant Packaging<br><input type="checkbox"/> Yes*<br><input checked="" type="checkbox"/> No  | Unit Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No | Water Soluble Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No |   | <input type="checkbox"/> Metal                 | <input checked="" type="checkbox"/> Plastic |
| *Certification must be submitted  |  |   |   | <input type="checkbox"/> Glass                 | <input type="checkbox"/> Paper              |
|   | If "Yes" Unit Packaging wgt. No. per container   | If "Yes" Unit Packaging wgt. No. per container  |   | <input type="checkbox"/> Other (Specify) _____ |   |
| 3. Location of Net Contents Information<br><input checked="" type="checkbox"/> Label <input type="checkbox"/> Container   |  | 4. Size(s) Retail Container<br>180 fl. oz.  | 5. Location of Label Directions<br><input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product |  |   |
| 6. Manner in Which Label is Affixed to Product<br><input type="checkbox"/> Lithograph<br><input type="checkbox"/> Paper glued<br><input type="checkbox"/> Stenciled |  |   | <input checked="" type="checkbox"/> Other Pressure Sensitive Label  |  |   |

### Section - IV

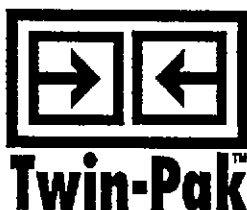
|  |  |                                       |  |  |  |
|--|--|---------------------------------------|--|--|--|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)  |  |                                       |  |  |  |
| Name<br>Lee Hubbard  |  | Title<br>Senior Regulatory Manager    |  | Telephone No. (Include Area Code)<br>910- 632-7034 |  |
| <b>Certification</b><br>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. |  |                                       |  |  | 6. Date Application Received (Stamped)<br><br> |
| 2. Signature<br>   |  | 3. Title<br>Senior Regulatory Manager |  |  |  |
| 4. Typed Name<br>Lee Hubbard   |  | 5. Date<br>June 30, 1997              |  |  |  |

High lighted Revisions

NOTIFICATION

JUL 25 1997

# Tilt<sup>®</sup> Bravo<sup>®</sup>



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.

EPA Est. 34704-MS-2

CGA 72L21A 017

Total 180 fl. oz.  
U. S. Standard Measure

**ciba<sup>™</sup>**

PULL HERE TO OPEN ►

## FUNGICIDE

For Control of Certain Diseases in Peanuts

### Tilt

#### 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%

EPA Reg. No. 100-617

**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.)

20 fl. oz. U. S. Standard Measure

### Bravo 720

#### Active Ingredient:

Chlorothalonil  
(tetrachloroisophthalonitrile) . . . . . 54.0%

Inert Ingredients: . . . . . 46.0%

Total: . . . . . 100.0%

Contains 6.0 lbs. chlorothalonil per gallon  
(720 grams per liter)

EPA Reg. No. 50534-188

**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.)

160 fl. oz. U. S. Standard Measure

## Tilt®/Bravo®

### DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

**IMPORTANT:** Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product. If terms are not acceptable, return the unopened product container at once.

#### Conditions of Sale and Warranty

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of Ciba-Geigy or the Seller. All such risks shall be assumed by the Buyer.

Ciba-Geigy warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. **Ciba-Geigy makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Ciba-Geigy or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product.** Ciba-Geigy and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of 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/Bravo

**Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 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

#### General Information

Tilt/Bravo is a fungicide for the control of certain diseases in peanuts. Using label instructions, apply the entire contents of this container to the target crop once the container is opened.

**Important:** Do not use in greenhouses, 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% of tank volume per minute. Use a jet agitator or liquid sparge tube for agitation. Do not air sparge.

Revised

4087

## Tilt®/Bravo®

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 manufacturer's recommendations.

For more information on spray equipment and calibration, consult sprayer manufacturer's 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 per acre. 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/Bravo by ground equipment in a minimum of 15 gals. of water per acre.

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

### Mixing Instructions

**Note:** Slowly invert container several times to assure uniform mixture.

Prepare no more spray mixture than is required for the immediate operation. Use the entire contents of this container once the container is opened. Thoroughly clean spray equipment before using this product. Agitate the spray solution before and during application. Rinse spray tank thoroughly with clean water after each day's use and dispose of pesticide rinse by application to an already treated area.

**Tilt/Bravo Alone:** Add  $1/2$ - $2/3$  of the required amount of water to the spray or mixing tank. With the agitator running, add the Tilt/Bravo to the tank. Continue agitation while adding the remainder of the water. Begin application of the spray solution after the Tilt/Bravo has completely dispersed into the water. Maintain continuous agitation until all of the mixture has been sprayed.

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

Add  $1/2$ - $2/3$  of the required amount of water to the spray or mixing tank. Again, if tank mixing with any product packaged in water-soluble packets, add this product first with the agitator running. Allow the material to completely dissolve and disperse in the mix water. Continue agitation while adding all of the contents of both chambers of the Tilt/Bravo container at once. In general, additional tank mix partners should be added in the following 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. Maintain agitation while adding the rest of the water, while adding the other tank mix partners and throughout the mixing and spraying operation.

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

**Important:** Do not combine Tilt/Bravo with Dipel® 4L, Triton AG-98, or Triton B-1956, as phytotoxicity may result.

### Rotational Crops

To avoid 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/Bravo application to the preceding crop, unless the second crop is one of the following: Barley, Celery, Grasses Grown for Seed, Rice, Rye, or Wheat.

### Peanuts

For control of early leafspot (*Cercospora*), late leafspot (*Cercosporidium*), and web blight (*Phoma*), use the entire contents of this container to treat 10 acres of peanuts. Begin application 30-40 days after planting or at the first appearance of disease; continue applications on a 10 to 14-day schedule. Under conditions highly favorable for disease development use the shorter spray interval.

**Notes:** (1) Do not apply within 14 days of harvest. (2) Do not apply more than 8 applications of Tilt/Bravo per season. (3) Do not exceed the equivalent of 16 fl. oz./A per season of Tilt, whether used alone or as a component of Tilt/Bravo. (4) Do not allow livestock to graze in treated areas. (5) Do not feed hay or threshings from treated fields to livestock. (6) 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. Using label instructions, apply the entire contents of this container to the target crop once the container is opened. Store in a cool place. Protect from excessive heat. Keep from freezing.

### 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.

Revised

5017

## Tilt®/Bravo®

### 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

#### 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.

### Bravo 720

#### Hazards to Humans and Domestic Animals

##### WARNING/AVISO

Causes eye irritation. May cause skin irritation. May be a potential skin sensitizer. Do not get in eyes. Avoid prolonged contact with skin. Avoid breathing spray mist. Do not take internally.

**Note to User:** This product may produce temporary allergic side effects characterized by redness of the eyes, mild bronchial irritation, and redness or rash on exposed skin areas. Persons having allergic reaction should contact a physician.

#### Statement of Practical Treatment

**If in eyes:** Immediately flush eyes with plenty of water and continue for 15 minutes. Seek medical attention for eyes immediately.

**If on skin:** Wash exposed areas of skin with soap and warm water after handling or using.

**If swallowed:** Never give anything by mouth to an unconscious person.

**Note to Physician:** Persons having a temporary allergic reaction respond to treatment with antihistamines or steroid creams and/or system steroids.

## Tilt/Bravo

### 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 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
- Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C)

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.

### 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.

6047

## Tilt®/Bravo®

### 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

#### Tilt

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.

#### Bravo 720

This product is toxic to fish, aquatic invertebrates, and marine/estuarine organisms. 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. Do not contaminate water when disposing of equipment wash waters. Do not apply when weather conditions favor drift from treated areas. Apply only to areas specified on label.

### Physical or Chemical Hazards

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

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Tilt® and Twin-Pak™ trademarks of Ciba-Geigy Corporation  
U. S. Patent No. 4,079,062

Bravo® trademark of ISK Biotech Corporation

Dipel® trademark of Abbott Laboratories

Triton AG-98 and Triton B-1956 trademarks of Rohm and Haas Company

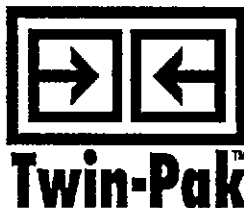
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Ciba Crop Protection  
Ciba-Geigy Corporation  
Greensboro, North Carolina 27419  
CGA 72L21A 017

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Tilt®/Bravo®

# Tilt® Bravo®



EPA Est. 34704-MS-2  
©1997 Ciba-Geigy Corporation  
Ciba Crop Protection  
Ciba-Geigy Corporation  
Greensboro, North Carolina 27419  
CGA 72L21A 017

Total **180 fl. oz.**  
U. S. Standard  
Measure

**ciba**™

## FUNGICIDE

For Control of Certain Diseases  
in Peanuts

1 Reused

### Tilt

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%

EPA Reg. No. 100-617

Tilt® and Twin-Pak™ trademarks of  
Ciba-Geigy Corporation  
U. S. Patent No. 4,079,062

**20 fl. oz.** U. S. Standard Measure

### Bravo 720

Active Ingredient:  
Chlorothalonil  
(tetrachloroisophthalonitrile) ..... 54.0%

Inert Ingredients: 46.0%

Total: 100.0%

Contains 6.0 lbs. chlorothalonil per gal-  
lon (720 grams per liter)

EPA Reg. No. 50534-188

Bravo® trademark of  
ISK Biotech Corporation

**160 fl. oz.** U. S. Standard Measure

See directions for use in attached booklet.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with  
its labeling and with the Worker Protection  
Standard, 40 CFR part 170. Refer to sup-  
plemental labeling under "Agricultural Use  
Requirements" in the Directions for Use  
section for information about this standard.