

67760-75

10/2/2014

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460



OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Patricia McFadden  
Registration Manager  
Cheminova Inc.  
1600 Wilson Blvd., Suite 700  
Arlington, VA 22209

OCT 02 2014

Subject: Label Notification per PRN 98-10 – Change Net Weight to Net Contents  
Product Name: TOPGUARD FUNGICIDE  
EPA Registration Number: 67760-75  
Application Date: 09/18/2014  
Decision Number: 495733

Dear Ms. McFadden:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request to change "Net Weight" to "Net Contents", for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, you may contact Maryam Muhammad at 703-347-0301 or via email at Muhammad.Maryam@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Hope Johnson".

Hope Johnson, Product Manager 21  
Fungicide Branch  
Registration Division (7505P)  
Office of Pesticide Programs

2/23

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 05-31-98

<b>EPA</b>	United States	<input type="checkbox"/> Registration	OPP Identifier Number
	<b>Environmental Protection Agency</b>	<input type="checkbox"/> Amendment	
	Washington, DC 20460	<input type="checkbox"/> Other	

**Application for Pesticide - Section I**

1. Company / Product Number 67760-75	2. EPA Product Manager Hope Johnson	3. Proposed Classification  <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company / Product (Name) Topguard Fungicide	PM # 21	
5. Name and Address of Applicant (include Zip Code) Cheminova Inc. PO Box 110566 Research Triangle Park, NC 27709  <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:  EPA Reg No _____ Product Name _____

**Section II**

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed label 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.)  
 Changed "Net weight \_\_\_\_\_ fl.oz." to Net Contents: "\_\_\_\_\_" (see cover letter)

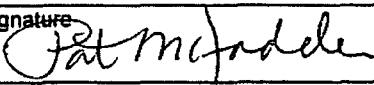
**Notification of Minor Label Changes per PR Notice 98-10**

This notification is consistent with the provisions of PR Notice 98-10 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. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 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  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No *Certification must be submitted	Unit Packaging  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Unit Packaging Wgt.	Water Soluble Packaging  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Package Wgt.	No. per Container:	<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
	No. per Container:			<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information  <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container Various		5. Location of Label Directions  <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Other _____ <input checked="" type="checkbox"/> Paper glued <input checked="" type="checkbox"/> Stenciled					

**Section IV**

1. Contact Person (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Patricia McFadden	Title: Registration Manager	Telephone No. 919-864-4271
Certification 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)
2. Signature 	3. Title Registration Manager	
4. Typed Name Patricia McFadden	5. Date 16 September 2014	

Cheminova, Inc.  
PO Box 110566  
One Park Drive  
Suite 400  
Research Triangle Park, NC 27709



3/  
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September 16, 2014

Hope Johnson, Product Manager, Team 21  
Document Processing Desk (NOTIF)  
Office of Pesticide Programs  
U.S. Environmental Protection Agency  
Room S-4900, One Potomac Yard  
2777 South Crystal Drive  
Arlington, VA 22202-4501

**Subject: Topguard Fungicide  
EPA Reg. No. 67760-75  
Notification of Minor Label Changes**

Dear Ms. Johnson,

Cheminova, Inc. is hereby submitting the enclosed notification of minor label changes for Topguard Fungicide, EPA Reg. No. 67760-75. The following changes were made in this label:

- Page 2 – Change "Net weight \_\_\_\_\_ fl.oz." to Net Contents: \_\_\_\_\_"

To support this notification, enclosed, please find the following documents:

- Application for notification (Form 8570-1)
- Two copies of the master label, one highlighted, one clean copy

If you have any questions or require any additional information, please contact me at 919-864-4271 or by e-mail at [Patricia.McFadden@cheminova.com](mailto:Patricia.McFadden@cheminova.com).

Sincerely,

A handwritten signature in cursive script that reads "Pat McFadden".

Patricia McFadden, Registration Manager  
Enclosures

**NOTIFICATION**

**OCT 02 2014**

Group **3** Fungicide

**TOPGUARD®  
Fungicide**

*{Alternate Brand Name: TOPGUARD® Fungicide Specialty Crops}  
{When an alternate brand name is used, it will also be used in the body of the label.}*

**ACTIVE INGREDIENT:**

\*Flutriafol

**11.8%**

**OTHER INGREDIENTS:**

**88.2%**

**TOTAL:**

**100.0%**

\*Contains 1.04 pounds per gallon of the active ingredient flutriafol. Suspension concentrate.

Keep Out of Reach of Children  
**CAUTION / PRECAUCION**

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.)

**IN CASE OF A MEDICAL EMERGENCY INVOLVING THIS PRODUCT, CALL  
TOLL FREE, DAY OR NIGHT, 1-866-303-6950**

– OR –

**For MEDICAL  
EMERGENCY  
1-866-303-6950**

**For SPILLS  
CHEMTREC  
1-800-424-9300**

Notice: Read the entire Directions for Use, Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

**Note to PM**, the following bracketed statements are individually optional depending on the packaging configuration and whether a booklet label design is used:

- a. [See First Aid statement on back panel [of booklet].
- b. [See additional precautionary statements and Directions for Use in booklet.]
- c. [Read the entire label before using this product.]
- d. [See First Aid, Precautionary Statements, and Directions for Use on individual packages.]

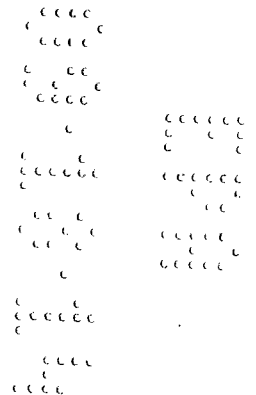
EPA Reg. No. 67760-75

EPA Est. No. \_\_\_\_\_

Net Contents: \_\_\_\_\_

Manufactured For:  
CHEMINOVA INC.  
PO Box 110566  
Research Triangle Park, NC 27709  
1-800-548-6113

TOPGUARD® is a registered trademark of Cheminova



## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**Caution.** Harmful if absorbed through skin. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Prolonged or frequently skin contact may cause allergic reactions in some individuals.

### FIRST AID

**If on skin:**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

**If swallowed:**

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to by a poison control center or doctor.
- Do not give anything to an unconscious person.

**If in eyes:**

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
- Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-866-303-6950 for emergency medical treatment information.

**Note to Physician:** No specific antidote. Treat symptomatically.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Applicators and all other handlers must wear:** long-sleeved shirt and long pants, chemical-resistant gloves, and shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

### ENGINEERING CONTROLS STATEMENT

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

Users should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product.

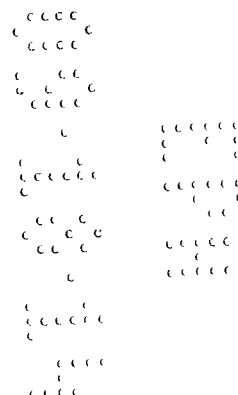
Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS

Do not apply directly to water, or 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 washwater or rinsate.

Ground Water Advisory: Flutriafol has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

Surface Water Advisory: This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having a high potential for reaching surface water via runoff for several months or more after application.



## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any 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.

[Note to Reviewer: Below is optional state specific language.]

[Optional language for CA: In California, this product may only be applied to fields that are not irrigated, or are irrigated using pressurized irrigation methods such as macro-sprinkler, micro-sprinkler, or drip systems.]

[Optional language for NY: Not for sale, distribution, or use in Nassau or Suffolk Counties of New York State.]

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Workers 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.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI). The REI for each crop is located in the use directions for each crop.

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, and shoes plus socks.

### STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store unused product in original container in a cool, dry, secure area.

**Pesticide Disposal:** Pesticide waste may be hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use 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.



### **Container Handling:**

#### **Nonrefillable container. [equal to or less than 5 gallons:]**

Do not reuse or refill this container. Offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Triple rinse as follows: 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  $\frac{1}{4}$  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 2 more times.

#### **Nonrefillable container. [greater than 5 gallons and less than 260 gallons:]**

Do not reuse or refill this container. Offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Triple rinse or Pressure rinse as follows:

Triple rinse as follows: Empty the remaining contents into application equipment or mix tank. Fill the container  $\frac{1}{4}$  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 and store rinsate for later use or disposal. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or a mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

*{Note to PM, IBC's may be nonrefillable or refillable, the container handling section will state either Nonrefillable or Refillable.}*

**Nonrefillable container. {Or, }**

**Refillable container.**

#### **Bottom discharge IBC**

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinseate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

## PRODUCT DIRECTIONS

**READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

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

**Rainfastness:** TOPGUARD Fungicide is rainfast 2 hours after application. Disease control will be reduced if rainfall occurs within 2 hours of application.

**Crop Rotation:** Fields treated with an application rate of greater than 0.225 lbs.ai/acre/season may be planted to crops that have tolerances established for residues of flutriafol including: field corn, popcorn, cucurbits, fruiting vegetables, grapes, peanuts, pome fruits, soybeans, stone fruits, strawberries, sugar beets, tree nuts, triticale, or wheat immediately after last application. Fields treated with application rates less than or equal to 0.225 lbs.ai/acre/season may be planted to the crops listed above, and may also be planted to cotton or sweet corn 180 days after the last application. Rotation to any other crop is prohibited.

RATE EQUIVALENCY TABLE

Product Rate (fl. oz./A)	Equivalent Active Ingredient Rate (lb a.i./A)
7.0	0.057
8.0	0.065
9.0	0.073
10.0	0.081
11.0	0.089
12.0	0.098
13.0	0.106
14.0	0.114

**Compatibility Jar Test:** TOPGUARD Fungicide is compatible with most products, however not all combinations have been tested. Use the following compatibility jar test to ensure physical compatibility.

Using a quart jar, add the proportionate amounts of the products to approximately one quart of water with agitation. Add wettable powders and water dispersible granular products first, next liquid flowables, then emulsifiable concentrates, and last liquid soluble products. After thorough mixing, allow this mixture to stand for 5 minutes. If the combination remains mixed or can be readily remixed, it is physically compatible. Once compatibility has been proven, use the same procedure for adding products to the spray tank. Use tank mix combinations on a small number of plants before treating larger areas. When tank mixing, follow more restrictive labeling of any tank mix partner. Do not tank mix with any product that contains a prohibition on tank mixing.

**Use of Adjuvants:** An adjuvant may be used with TOPGUARD Fungicide unless otherwise specified in the crop use directions. TOPGUARD Fungicide is compatible with most products, however not all have been tested. Use the compatibility jar test to ensure physical compatibility.

**Tank Mixing:** TOPGUARD Fungicide may be tank mixed with other fungicides, herbicides, insecticides, and/or other additives unless prohibited on the label of the tank mix partner. Follow more restrictive labeling of any tank mix partner. Although TOPGUARD Fungicide is compatible with most products, not all combinations have been tested. Use the compatibility jar test to ensure physical compatibility. Before applying any tank mixture not specifically recommended on this label, the crop safety of the target crop should be confirmed by applying the mixture to a small area of the target crop in accordance to the label instructions.

**Spray Equipment/Volume:** TOPGUARD Fungicide should be applied in sufficient water volume to ensure thorough coverage as a broadcast foliar application for good disease control.

For ground application, use a minimum of 10 gallons of spray solution per acre by ground sprayer. For aerial application, use aircraft spray equipment in a minimum of 10 gallons of spray solution per acre for tree nut crops, 2 gallons of spray solution per acre for corn, wheat and tritcale and 5 gallons of spray solution per acre for all other crops.

**Resistance Management:** TOPGUARD Fungicide contains the active ingredient flutriafol, which is a Group 3 fungicide based on the mode of action classification system. Repeated use of the same group of fungicides for a targeted disease may lead to the selection of resistant strains of fungi and result in reduced disease control.

To maintain performance of TOPGUARD Fungicide and other fungicides in the same group, tank mix or rotate with a different fungicide group for good disease resistance management. For assistance on a particular crop and disease control situation, consult your local agricultural dealer, consultant, applicator, or state extension personnel for specific practices or recommendations in your area.

**High Disease Pressure:** Where a range is given, use the higher rate of TOPGUARD Fungicide and/or reduced spray interval when disease pressure is high and/or conditions are favorable for disease development.

## CROP USE DIRECTIONS

### Use Directions for Corn (Field Corn, Field Corn Grown for Seed, and Popcorn)

Diseases	Product Rate (fl.oz./A)	Application Directions	Application Interval (Days)
Gray Leaf Spot ( <i>Cercospora zeae-maydis</i> )	7 to 14	Apply preventatively or when conditions are favorable for disease development. One repeat application may be made.	7
Southern Corn Leaf Blight ( <i>Cochlibolus heterostrophus</i> )			
Northern Corn Leaf Blight ( <i>Setosphaeria turcica</i> )		Apply no later than growth stage R4 (early dough stage).	
Rust, Common ( <i>Puccinia sorghi</i> )		For aerial application, use a minimum of 2 gallons of spray solution per acre.	
Southern Rust ( <i>Puccinia polysora</i> )			
Eyespot ( <i>Aureobasidium zeae</i> )			
Anthracnose Leaf Blight ( <i>Colletotrichum graminicola</i> )			
Northern Corn Leaf Spot ( <i>Cochliobolus carbonum</i> )			

#### Restrictions:

- No single application may exceed 14 fl. oz. of product/A.
- Do not apply more than 2 applications per year.
- Do not apply more than 28 fl. oz. of product/A per year.
- An adjuvant may be used with TOPGUARD Fungicide prior to the V8 corn growth stage and after the VT corn growth stage.
- Restricted Entry Interval (REI): The REI for detasselling field corn and popcorn grown for seed is 5 days. The REI for all other activities is 12 hours.
- Preharvest Interval: Zero (0) day of harvest for forage, and 7 days for stover and grain of field corn and popcorn.

**Use Directions for Vegetables, Cucurbit, Group 9 (excluding Muskmelons).  
See below for a list of Cucurbits.**

Diseases	Product Rate (fl.oz./A)	Application Directions	Application Interval (Days)
Powdery Mildew ( <i>Sphaerotheca fuliginea</i> , <i>Erysiphe cichoracearum</i> )	10 to 14	Apply preventatively or when conditions are favorable for disease development. Repeat as necessary if conditions are favorable for disease development.	7
Gummy Stem Blight ( <i>Didymella bryoniae</i> )  Target Spot ( <i>Corynespora cassiicola</i> )	10 to 14	Apply preventatively or when conditions are favorable for disease development. Repeat as necessary if conditions are favorable for disease development.  In fields with known triazole resistance, apply TOPGUARD Fungicide with KOVERALL® Fungicide or alternate fungicide group for disease control.	7
<b>List of Cucurbits:</b> Chayote (Fruit), Chinese Waxgourd, Citron Melon, Cucumber, Gherkin, Gourd Edible ( <i>Lagenaria</i> spp.) (Includes Hyotan, Cucuzza, Hechima, Chinese Okra), <i>Momordica</i> spp. (Includes Balsam Apple, Balsam Pear, Bittermelon, Chinese Cucumber), Pumpkin, Squash (Summer), Squash (Winter – Includes Butternut Squash, Calabaza, Hubbard Squash, Acorn Squash, Spaghetti Squash), Watermelon.			
<b>Restrictions:</b> <ul style="list-style-type: none"> <li>No single application may exceed 14 fl. oz. of product/A.</li> <li>Do not apply more than 4 applications per year.</li> <li>Do not apply more than 56 fl. oz. of product/A per year.</li> <li>Restricted Entry Interval (REI) is 12 hours.</li> <li>Preharvest Interval: May be applied the day of harvest (0 day PHI).</li> </ul>			

14/23

**Use Directions for Grapes** [*optional parenthetical phrase (fresh, table, wine, raisin)*]

Diseases	Product Rate (fl.oz./A)	Application Directions	Application Interval (Days)
<p>Powdery Mildew (<i>Uncinula necator</i>)</p> <p>Black Rot (<i>Guignardia bidwellii</i>)</p>	8 to 10	<p>Apply preventatively or when conditions are favorable for disease development. Repeat as necessary if conditions are favorable for disease development.</p> <p>Apply TOPGUARD Fungicide as a foliar spray beginning at 6 to 10 inch shoots.</p>	14 to 21 days

**Restrictions:**

- No single application may exceed 10 fl. oz. of product/A.
- Do not apply more than 6 applications of TOPGUARD Fungicide per year.
- Do not apply more than 60 fl. oz. of product/A per year.
- Restricted Entry Interval (REI): The REI for girdling or turning of grapes is 5 days. The REI for all other activities is 12 hours.
- Preharvest Interval: Do not apply within 14 days of harvest.

[illegible]

15/23

Diseases	Product Rate (fl.oz./A)	Application Directions	Application Interval (Days)
Early Leaf Spot ( <i>Cercospora arachidicola</i> )  Late Leaf Spot ( <i>Cercosporidium personatum</i> )  Peanut Rust ( <i>Puccinia arachidis</i> )  Leaf Scorch/ Pepper Spot ( <i>Leptosphaerulina crassiasca</i> )  Web Blotch ( <i>Phoma arachidicola</i> )	7 to 14	Apply on a preventive spray schedule for effective disease control in peanuts.  TOPGUARD Fungicide can be tank mixed with KOVERALL Fungicide (mancozeb) for improved disease control and resistance management.	14
<b>Suppression of Soil Borne Diseases:</b> White Mold / Southern Stem Rot ( <i>Sclerotium rolfsii</i> )	7 to 14	For soil-borne diseases, rainfall or irrigation will optimize activity of TOPGUARD® Fungicide. Tank-mix with other labeled fungicides for improved activity on soil-borne diseases.	14

- No single application may exceed 14 fl. oz. of product/A.
- Do not apply more than 4 applications per year.
- Do not apply more than 56 fl. oz. of product/A per year.
- Restricted Entry Interval (REI) is 12 hours.
- Preharvest Interval: Do not apply within 7 days of harvest.

[illegible]

**Use Directions for Pecans and Other Tree Nuts. See below for list of Tree Nuts.**

Diseases	Product Rate (fl.oz./A)	Application Directions	Application Interval (Days)
Pecan Scab ( <i>Fusicladium effusum</i> )  Powdery Mildew ( <i>Microsphaera penicillata</i> )  Alternaria Leaf and Fruit Spot ( <i>Alternaria alternata</i> )  Anthracnose ( <i>Colletotrichum acutatum</i> )  Shothole ( <i>Wilsonomyces carpophilus</i> )  Eastern Filbert Blight ( <i>Anisogramma anomale</i> )  Brown Rot Blossom Blight ( <i>Monilinia fructicola</i> )  Leaf Rust ( <i>Tranzschelia discolor</i> )  Downy Spot ( <i>Mycosphaerella caryigena</i> )  Zonate Leaf Spot ( <i>Cristulariella moricola</i> )	7 to 14	For Pecan Scab control, start application at bud break. Continue application 10-14 days pre-pollination; 14-21 days post-pollination.  For all other disease apply preventatively or when conditions are favorable for disease development. Repeat as necessary if conditions are favorable for disease development.	7
<b>List of Tree Nuts:</b> African Tree Nut, Brazil Nut, Burr Oak, Butternut, Cajou, Cashew, Castanha-Do-Maranhao, Coconut, Coquito Nut, Dika nut, Guiana Chestnut, Hazelnut, Heartnut, Hickory Nut, Japanese Horse-Chestnut, Macadamia Nut, Monogongo Nut, Monkey-Pot, Pachira Nut, Pecan, Sapucaia Nut.			
<b>Restrictions:</b> <ul style="list-style-type: none"> <li>No single application may exceed 14 fl. oz. of product/A.</li> <li>Do not apply more than 4 applications per year.</li> <li>Do not apply more than 56 fl. oz. of product/A per year.</li> <li>Restricted Entry Interval (REI) is 12 hours.</li> <li>Preharvest Interval: Do not apply within 14 days of harvest.</li> </ul>			



Diseases	Product Rate (fl.oz./A)	Application Directions	Application Interval (Days)
Powdery Mildew <i>(Leveillula taurica)</i>  Anthracnose <i>(Colletotrichum coccodes, C. acutatum)</i>  Cercospora Leaf Spot <i>(Cercospora capsici)</i>	14	Apply preventatively or when conditions are favorable for disease development. Repeat as necessary if conditions are favorable for disease development.	7
<b>List of Fruiting Vegetables:</b> African Eggplant, Bell Pepper, Eggplant, Martynia, Non-Bell Pepper, Okra, Pea Eggplant, Pepino, Roselle, Scarlet Eggplant. Including cultivars, varieties and/or hybrids of these crops.			
<b>Restrictions:</b> <ul style="list-style-type: none"> <li>No single application may exceed 14 fl. oz. of product/A.</li> <li>Do not apply more than 4 applications per year.</li> <li>Do not apply more than 56 fl. oz. of product/A per year.</li> <li>Restricted Entry Interval (REI) is 12 hours.</li> <li>Preharvest Interval: May be applied the day of harvest (0 day PHI).</li> </ul>			

Figure 1 shows a 10x10 grid of 100 small circles. Each circle contains a number from 1 to 10. The numbers are distributed across the grid, with some numbers appearing multiple times. For example, the number 1 appears in the top-left corner, and the number 10 appears in the bottom-right corner.

**Use Directions for Pome Fruit (Apple, Crabapple, Loquat, Mayhaw, Pear, Oriental Pear, and Quince)**

Diseases	Product Rate (fl.oz./A)	Application Directions	Application Interval (Days)
Powdery Mildew ( <i>Podosphaera leucotricha</i> )  Quince Rust ( <i>Gymnosporangium clavipes</i> )  Cedar Apple Rust ( <i>Gymnosporangium juniperi-virginianae</i> )	8 to 12	Initiate applications at green tip and continue through cover sprays.	10
Apple Scab ( <i>Venturia inaequalis</i> )	13	Initiate applications at green tip or when environmental conditions are favorable for primary scab development. Continue applications through the duration of primary scab.  Mix TOPGUARD Fungicide with a protectant such as KOVERALL Fungicide (mancozeb) for scab control.	7 - 10
Pear Scab ( <i>Venturia pirina</i> )	13	Start application at Pink Bud and continue through the duration of the Primary Scab period.  Mix TOPGUARD Fungicide with a protectant such as KOVERALL Fungicide for improved scab control.	7 - 10
<b>Restrictions:</b> <ul style="list-style-type: none"> <li>No single application may exceed 13 fl. oz. of product/A.</li> <li>Do not apply more than 4 applications per year.</li> <li>Do not apply more than 52 fl. oz. of product/A per year.</li> <li>Restricted Entry Interval (REI) is 12 hours.</li> <li>Preharvest Interval: Do not apply within 14 days of harvest.</li> </ul>			

### Use Directions for Soybeans

Diseases	Product Rate (fl.oz./A)	Application Directions	Application Interval (Days)
<p>Cercospora Leaf Blight and Purple Seed Stain (<i>Cercospora kikuchii</i>)</p> <p>Frogeye Leaf Spot (<i>Cercospora sojina</i>)</p> <p>Brown Spot (<i>Septoria glycines</i>)</p> <p>Powdery Mildew (<i>Microsphaera diffusa</i>)</p> <p>Target Spot (<i>Corynespora cassiicola</i>)</p> <p><b>Suppression:</b> White Mold / Stem Rot (<i>Sclerotinia sclerotiorum</i>)</p> <p>Southern Blight (<i>Sclerotium rolfsii</i>)</p>	7 to 14	<p>For Cercospora Leaf Blight begin applications at first flower (R1).</p> <p>For other diseases apply beginning at first visible flower or when conditions are favorable for disease development.</p> <p>Apply additional applications if environmental conditions are favorable for continued disease development.</p>	14 – 35
<p>Rust (<i>Phakopsora pachyrhizi</i>)</p>	7 to 14	<p>Apply beginning at first visible flower or when conditions are favorable for disease development.</p> <p>Apply additional applications if environmental conditions are favorable for continued disease development.</p>	21 – 35
<p><b>Restrictions:</b></p> <ul style="list-style-type: none"> <li>No single application may exceed 14 fl. oz. of product/A.</li> <li>Do not apply more than 3 applications per year.</li> <li>Only one application of product at 14 fl. oz. of product/A may be made to any one field during a single growing season. Additional applications to this field can be made at 7 fl. oz. of product/A.</li> <li>Do not apply more than 28 fl. oz. of product/A per year.</li> <li>Restricted Entry Interval (REI) is 12 hours.</li> <li>Do not feed forage or hay to animals or permit animals to graze.</li> <li>Preharvest Interval: Do not apply within 21 days of harvest.</li> </ul>			

**Use Directions for Stone Fruit (see list of Stone Fruit below)**

**{Optional language: Use Directions for Cherries (Sweet and Tart)}**

Diseases	Product Rate (fl.oz./A)	Application Directions	Application Interval (Days)
Powdery Mildew ( <i>Podosphaera clandestina</i> )	14	Start applications at petal fall. Repeat as necessary if disease conditions are favorable for disease development.	7
Brown Rot Blossom Blight ( <i>Monilinia fructicola</i> )	14	Start applications at 1-5% bloom followed by an application at 50-100 % bloom.	7
Fruit Brown Rot ( <i>Monilinia fructicola</i> )	14	Apply one to two weeks prior to harvest.	7
Cherry Leaf Spot ( <i>Blumeriella jaapii</i> )	14	Start applications at petal fall. Repeat as necessary if disease conditions are favorable for disease development.  In areas of known triazole resistance, apply TOPGUARD Fungicide with a protectant fungicide for control.	7

**List of Stone Fruit:** Apricot, Nectarine, Sweet Cherry, Tart Cherry, Peach, Plum, Chicksaw Plum, Damson Plum, Japanese Plum, Plumcot, Prune.

**Restrictions:**

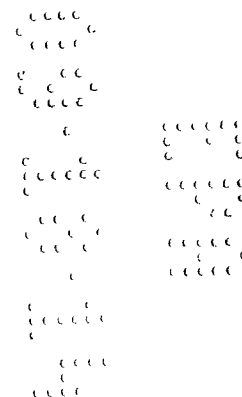
- No single application may exceed 14 fl. oz. of product/A.
- Do not apply more than 4 applications per year.
- Do not apply more than 56 fl. oz. of product/A per year.
- Restricted Entry Interval (REI) is 12 hours.
- Preharvest Interval: Do not apply within 7 days of harvest.

### Use Directions for Sugar Beets

Diseases	Product Rate (fl.oz./A)	Application Directions	Application Interval (Days)
Cercospora Leaf Spot ( <i>Cercospora beticola</i> )	10 to 14	Apply preventatively or when conditions are favorable for disease development. Repeat as necessary if conditions are favorable for disease development.  Tank mix with KOVERALL Fungicide (mancozeb) for resistance management.	14
Powdery Mildew ( <i>Erysiphe betae</i> )	10 to 14	Apply preventatively or when conditions are favorable for disease development. Repeat as necessary if conditions are favorable for disease development.	14
<b>Restrictions:</b> <ul style="list-style-type: none"> <li>No single application may exceed 14 fl. oz. of product/A.</li> <li>Do not apply more than 2 applications per year.</li> <li>Do not apply more than 28 fl. oz. of product/A per year.</li> <li>Restricted Entry Interval (REI) is 12 hours.</li> <li>Preharvest Interval: Do not apply within 21 days of harvest.</li> </ul>			

### Use Directions for Wheat (Spring and Winter) and Triticale

Diseases	Product Rate (fl.oz./A)	Application Directions	Application Interval (Days)
Rust ( <i>Puccinia</i> spp.)  Powdery Mildew ( <i>Blumeria graminis tritici</i> )  Leaf and Glume Blotch ( <i>Septoria</i> spp.)	10 to 14	Apply preventatively or when conditions are favorable for disease development. Repeat as necessary if conditions are favorable for disease development.  For aerial application, use a minimum of 2 gallons of spray solution per acre.	7
<b>Suppression:</b> Fusarium Head Blight ( <i>Fusarium</i> spp.)	10 to 14	Apply at anthesis (Feekes Growth Sate 10.51). Spray equipment nozzles should be properly set up to ensure good coverage of the head.  For aerial application, use a minimum of 2 gallons of spray solution per acre.	7
<b>Restrictions:</b> <ul style="list-style-type: none"> <li>No single application may exceed 14 fl. oz. of product/A.</li> <li>Do not apply more than 2 applications per year.</li> <li>Do not apply more than 28 fl. oz. of product/A per year.</li> <li>Restricted Entry Interval (REI) is 12 hours.</li> <li>Preharvest Interval: Do not apply within 30 days of harvest when grown for grain, 15 days of harvest grown for hay, zero (0) day PHI when grown for forage.</li> </ul>			



**[For product information, call toll free, 1-800-548-6113.]**

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- (2) Replacement of amount of product used.

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