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NOV 4 1997

Dr. Lee Hubbard  
Novartis Crop Protection, Inc..  
P.O. Box 18300  
Greensboro, NC 27419-8300

Dear Dr. Hubbard:

Subject: Banner WP  
EPA Reg. No. 100-780  
Your Submission of August 6, 1997

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A), is acceptable provided that you:

1. Submit and/or cite all data required for registration and reregistration under FIFRA sec. 3(c)(5) and sec. 4 when the Agency requires all registrants of similar products to submit such data.
2. Make the following label change: On page 7, under instructions for control of anthracnose, change the product name to Banner WP.
3. Submit one (1) copy of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,  
*Mary L. Waller*  
Mary L. Waller  
Acting Product Manager (21)  
Fungicide Branch  
Registration Division (7505C)

Enclosure

7505C:C.Grable:cg:10/28/97

Banner® WP

FUNGICIDE

Broad spectrum and systemic disease control for turf and ornamentals

Active Ingredient: Propiconazole:

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

.....	45%
Inert Ingredients:	55%
Total:	100%

**KEEP OUT OF REACH OF CHILDREN.**

**CAUTION**

See additional precautionary statements and directions for use inside booklet.

This outer protective container contains Banner WP in an inner water-soluble bag. Entire inner bag and contents dissolve in water. After opening outer container, immediately drop entire unopened inner bag into the partially filled sprayer or mix tank. Do not handle the soluble bag or expose it to moisture since this may cause rupturing.

EPA Reg. No. 100-

EPA Est. 100-AL-1

7 oz.  
Net Weight

1 lb.  
Net Weight

NCP

[QUARK\BANNER WP\N-BANNER WP] - ccg - 5/5/97

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated**

NOV 4 1997

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

100-780

## **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.

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### **Conditions of Sale and Warranty**

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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 Novartis Crop Protection, Inc. or the Seller. All such risks shall be assumed by the Buyer.

Novartis 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. **Novartis makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Novartis or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product.** Novartis 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 Novartis.

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## **DIRECTIONS FOR USE**

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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.

**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
- Waterproof gloves
- Shoes plus socks

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### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to 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.

**Do not enter treated areas without protective clothing until sprays have dried.**

**FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN PLANT INJURY OR POOR DISEASE CONTROL.**

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#### General Information

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Banner WP is a systemic fungicide for use on turfgrasses for the control of dollar spot (*Sclerotinia homoeocarpa*), brown patch (*Rhizoctonia solani*), anthracnose (*Colletotrichum graminicola*), red thread (*Laetisaria fuciformis*), pink patch (*Limonomyces roseipellis*), rust (*Puccinia graminis*), powdery mildew (*Erysiphe graminis*), stripe smut (*Ustilago striformis* and *Urocystis agropyri*), summer patch (*Magnaporthe poae*), necrotic ring spot (*Leptosphaeria korrae*), spring dead spot (*Leptosphaeria korrae*, *Leptosphaeria narmari*, *Ophiosphaerella herpotricha*, *Gaeumannomyces graminis*), take-all patch (*Gaeumannomyces graminis*), leafspot (*Biopolaris* spp., *Drechslera* spp.), gray leafspot (*Pyricularia grisea*), pink snowmold (*Microdochium nivale*), Fusarium patch (*Fusarium nivale*), gray snowmold (*Typhula* spp.), yellow patch (*Rhizoctonia cerealis*) and zoysia patch (*Rhizoctonia solani*).

Banner WP also controls numerous diseases of ornamentals and other landscape and nursery plantings. It controls powdery mildews, rusts, leafspots, scabs, and blights. Refer to the appropriate section for specified diseases and plants.

Do not apply this product through any type of irrigation system. Do not use Banner WP as a tree injection.

#### Mixing Instructions

Prepare no more spray mixture than is needed for the current operation. Thoroughly clean spray equipment before using this product. Vigorous agitation is necessary for proper dispersal of the product. Maintain maximum agitation throughout the spraying operation. Do not let the spray mixture stand overnight in the spray tank. Flush the spray equipment

thoroughly following each use and apply the rinsate to a previously treated area.

*Precautions: Soluble bags of Banner WP must be completely dissolved and dispersed in plain water, before any other tank mix partner, including micronutrients, or other dry or liquid fertilizers are added to the spray solution. Boron, especially in the form of a micronutrient additive, such as Solubor®, etc., may prevent water soluble bags from dissolving.*

**Banner WP Alone:** Add  $\frac{1}{4}$ - $\frac{1}{2}$  of the required amount of plain water to the spray or mixing tank. With the agitator running, drop the required number of unopened soluble bags of Banner WP into the tank all at once. Continue agitation while adding the remainder of water and during application to maintain a uniform suspension until all of the spray solution has been applied.

**Banner WP + Tank Mixtures:** Add  $\frac{1}{4}$ - $\frac{1}{2}$  of the required amount of plain water to the spray or mixing tank. With the agitator running, drop the required number of unopened soluble bags of Banner WP, and any other products packaged in water soluble bags, into the tank all at once. After the water soluble bags have dissolved and the products have dispersed uniformly into the mix water, continue to fill the tank with water. Then add the desired amount of products recommended for tank mixture. Allow each product to fully disperse before adding any other tank mix partners. Maintain rolling agitation while adding the remainder of the water and throughout the entire mixing and spraying process to maintain a uniform suspension.

For broader spectrum control, Banner WP can be mixed with other fungicides. For example, Subdue® MAXX® may be tank mixed with Banner WP or used alone when conditions are favorable for Pythium blight. Banner WP is also compatible with numerous herbicides and insecticides.

If using Banner WP in a tank mixture, observe all directions for use, crops/sites, use ratios, dilution ratios, precautions and limitations which appear on the tank mix partner label. No label dosage 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 or products referenced on this label are permitted only in those states in which the referenced products are registered.

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### **Turfgrass and Dichondra Disease Control**

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1. USE BANNER WP IN A PREVENTATIVE DISEASE CONTROL PROGRAM.

2. Apply in sufficient water to ensure thorough coverage.
3. Apply after mowing OR allow sprayed area to completely dry before mowing.
4. For control of foliar diseases, allow sprayed area to completely dry before irrigation.
5. For control of soil-borne diseases, Banner WP can be watered in after application.
6. Under conditions optimum for high disease pressure, use the higher rate and the shorter interval.
7. For optimum turf quality and disease control, use Banner WP in conjunction with turf management practices that promote good plant health and optimum disease control.
8. Evaluate spray additives prior to use. Label directions are based on data obtained with no additives.
9. Before use of any fungicide, proper diagnosis of the organism causing the disease is important. Use of diagnostic kits or other means of identification of the disease organism is essential to determine the best control measures.

**CAUTION:** Bermudagrass can be sensitive to Banner WP. Do not exceed 1 $\frac{1}{3}$  oz./1,000 sq. ft. every 30 days on any variety of bermudagrass. In FL, do not apply Banner WP to bermudagrass golf course greens when temperatures exceed 90°F.

**NOTE:** Do not graze animals on treated areas. Do not feed clippings from treated areas to livestock or poultry.

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**Turfgrass - Specific Diseases, Rates, and Application Timing**

Disease	Oz. Per 1,000 sq. ft.	Oz. Per Acre	Application Interval/ Timing	Instructions
<b>Dollar Spot</b> ( <i>Sclerotinia homoeocarpa</i> )	1/6	7	7 days	Apply when conditions are favorable for disease development.
	1/6	7	14 days	Tank mix with low label rate of one of the following fungicides: Daconil 2787® F Daconil Ultrex™
	1/3	14	21-28 days	Tank mix with low label rate of one of the following fungicides: Daconil 2787 F Daconil Ultrex Chipco® 26019
	1/3-2/3	14-28	14-28 days	If using the 1/3-2/3 oz./1,000 sq. ft. rate without tank mixing, make no more than 3 consecutive applications for dollar spot control before rotating to an alternate EPA-registered fungicide having a different mode of action.
<b>Anthracnose</b> ( <i>Colletotricum graminicola</i> )	1/3-2/3	14-28	14-28 days	Apply when conditions are favorable for disease development. When disease pressure is high, use higher rates of Banner MAXX and shorter intervals. For broad spectrum control, tank mix with the low label rate of one of the following fungicides: Daconil 2787 F Daconil Ultrex
				If disease is present, mix 2/3 oz. of Banner WP per 1,000 sq. ft. with the label rate of the above mentioned contact fungicides.



Disease	Oz. Per 1,000 sq. ft.	Oz. Per Acre	Application Interval/ Timing	Instructions
Brown Patch ( <i>Rhizoctonia solani</i> )	1/3-2/3	14-28	14-21 days	Begin applications in May or June before disease is present. Tank mix with low label rate of one the following fungicides: Daconil 2787 F Daconil Ultrex Chipco 26019 ProStar®
	2/3-1 1/3	28-56	10-21 days	Under conditions of high temperatures and high humidity, use the higher rates of Banner WP and shorter intervals. Begin applications in May or June before disease is present.
Powdery Mildew ( <i>Erysiphe graminis</i> ), Rust ( <i>Puccinia graminis</i> )	1/3-2/3	14-28	14-28 days	Apply when conditions are favorable for disease development. If disease is present, use 2/3 oz. of Banner WP per 1,000 sq. ft.
Red Thread ( <i>Laetisaria fuciformis</i> ), Pink Patch ( <i>Limonomyces roseipellis</i> )	2/3	28	14-21 days	Apply when conditions are favorable for disease development.
Stripe Smut ( <i>Ustilago striiformis</i> ) ( <i>Urocystis agropyri</i> )	1/3-2/3	14-28	Fall or Spring	Apply once in the fall after grass becomes dormant or in the early spring before grass starts to grow.
Gray Leafspot ( <i>Pyricularia grisea</i> )	1/3-2/3	14-28	14 days	Apply when conditions are favorable for disease development. If using the 1/3 oz./1,000 sq. ft. rate, tank mix with a registered contact fungicide at the label rate.
Melting Out, Leaf Spot ( <i>Bipolaris spp.</i> ) ( <i>Drechslera spp.</i> )	1/3-1 1/3	14-56	14 days	Under light to moderate pressure, apply Banner WP to reduce the severity of leaf spot and melting out caused by Helminthosporium-type pathogens. If using less than the 1 1/3 oz./1,000 sq. ft. rate, tank mix with a registered contact fungicide at the label rate.  Tank mix the 1/3-2/3 oz./1,000 sq. ft. Banner WP rate with a registered contact fungicide at the label rate.
Summer Patch, Poa Patch ( <i>Magnaporthe poae</i> )	2/3-1 1/3	28-56	14-28 days	Apply Banner WP beginning in April. Use the 1 1/3 oz./1,000 sq. ft. rate on a 23-day schedule and the 2/3 oz./1,000 sq. ft. rate on a 14-day schedule.

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Disease	Oz. Per 1,000 sq. ft.	Oz. Per Acre	Application Interval/ Timing	Instructions
<b>Take-All Patch</b> ( <i>Gaeumannomyces graminis</i> )	2/3-1 1/3	28-56	Spring and Fall	Apply Banner WP to reduce the severity of take-all patch. Make 1-2 fall applications in September and October or when night temperatures drop to 55°F, and 1-2 spring applications in April and May, depending on local recommendations.
<b>Spring Dead Spot</b> ( <i>Leptosphaeria korrae</i> , <i>Leptosphaeria narmari</i> , <i>Ophiosphaerella herpotricha</i> , <i>Gaeumannomyces graminis</i> )	1 1/3	56	30 days	Make 1-3 applications. For one application, apply in September or October. For multiple applications, begin sprays in August.  On bermudagrass overseeded with ryegrass, apply 2/3 oz./1,000 sq. ft. and apply at 14-day intervals. Six applications may be made.
<b>Necrotic Ring Spot</b> ( <i>Leptosphaeria korrae</i> )	1 1/3	56	Fall or Spring	Apply in the fall and/or the early spring depending on local recommendations.
<b>Snowmold</b>  Gray ( <i>Typhula spp.</i> ) Pink ( <i>Microdochium nivale</i> )	2/3-1 1/3	28-56	Late Fall	Apply one application in the late fall before snow cover. Do not apply on top of snow. If using a 2/3-1 oz./1,000 sq. ft. rate, use one of the following tank mix combinations: 1) 2/3 oz./1,000 sq. ft. Banner WP + low label rate of PCNB + low label rate of Daconil 2787 F or Daconil Ultrex. 2) 1 oz./1,000 sq. ft. of Banner WP + low label rate of PCNB.
<b>Fusarium patch</b> ( <i>Fusarium nivale</i> )	2/3-1 1/3	28-56	Fall-Early Spring	Apply when conditions are favorable for disease development.
<b>Yellow patch</b> ( <i>Rhizoctonia cerealis</i> )	1-1 1/3	35-56	Late Fall	Apply one application in the late fall before snow cover. Do not apply on top of snow. If using a 1 oz./1,000 sq. ft. rate, tank mix with a registered contact fungicide at the label rate.
<b>Zoysia patch, large patch of zoysia</b> ( <i>Rhizoctonia solani</i> )	1-1 1/3	35-56	Early Fall	Make one application in the early fall (mid-September to mid-October) prior to development of disease symptoms. Consult local turfgrass extension experts to determine the optimum application timing for your area.

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Dichondra - Specific Disease, Rate, and Application Timing

Disease	Oz. Per 1,000 sq. ft.	Oz. Per Acre	Application Interval/ Timing	Instructions
Dichondra Rust ( <i>Puccinia dichondrae</i> )	2/3	28	14-21 days	Apply when conditions are favorable for disease development.

Establishment of Cool Season Turfgrass

Banner WP provides control of many diseases of turf, and its primary use is as a fungicide for use against the diseases listed on this label. As an additional benefit, Banner WP will improve the rate of establishment when it is applied to cool season grass seedlings or sod.

**New Seedlings:** Apply 1/3 oz./1,000 sq. ft. at the 2 to 3-leaf stage of growth for faster root development and top growth.

**Sod:** Apply 1/3 oz./1,000 sq. ft. 2-6 weeks before cutting for increased sod knitting and faster establishment after laying.

Banner MAXX - Banner WP Conversion Table for Turf

Banner MAXX	Banner WP
0.5 fl. oz./1,000 sq. ft.	1/6 oz. 1,000 sq. ft.
1.0 fl. oz./1,000 sq. ft.	1/3 oz. 1,000 sq. ft.
2.0 fl. oz./1,000 sq. ft.	2/3 oz. 1,000 sq. ft.
3.0 fl. oz./1,000 sq. ft.	1 oz./1,000 sq. ft.
4.0 fl. oz./1,000 sq. ft.	1 1/3 oz./1,000 sq. ft.

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### Disease Control in Nurseries (Field) and Landscape Plantings

1. USE BANNER WP IN A PREVENTATIVE DISEASE CONTROL PROGRAM. To determine the use directions for controlling a disease on an ornamental plant species, select the plant species in Table 1. The number in parenthesis following the plant species refers you to the disease(s) controlled in Table 2. Find the disease in Table 2. The number in parentheses following the disease refers you to the application regime in Table 3.
2. Allow spray to dry before overhead irrigation is applied.
3. Optimum benefit of Banner WP is obtained when used in conjunction with sound disease management practices.

### General Recommendations

Banner WP may be used at rates of  $2\frac{2}{3}$ -8 oz./100 gals. water for control of diseases of ornamental plant species (see Tables 1, 2, and 3).

For general disease control in landscapes, apply 2- $2\frac{2}{3}$  oz./100 gals. water every 21 days. For best control, begin Banner WP applications before disease development.

**Note:** Plant tolerances to Banner WP have been found acceptable for the specific genera and species of plants listed under the **Directions for Use**. In addition, crop tolerance to Banner WP has been demonstrated (at a rate of 2- $2\frac{2}{3}$  oz./100 gals.) on the following ornamental plants: ajuga, Bartlett pear, bayberry, camellia, candy tuft, cotoneaster, elm, English ivy, euonymus, German statice, holly, hollyhock, impatiens, linden, liriopse, magnolia, maples, peony, privet, raphiolepis, redbud, sweetgum, sycamore, tulip tree, vinca, and wax myrtle. Other plant species may be sensitive to Banner WP and diseases other than those listed may not be controlled. Before using Banner WP on plants or for diseases that are not listed in the **Directions for Use**, test Banner WP on a small scale basis first. Do not apply Banner WP to African violets, begonias, Boston fern, or geraniums. Apply the recommended rates for a particular type of disease, i.e., rust, powdery mildew, etc., and evaluate for phytotoxicity and disease control prior to widespread use.

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**Table 1. Ornamentals - Plant Species**

Numbers in parentheses refer to diseases controlled. See Table 2.

Herbaceous Ornamental	Woody Ornamental	Non-bearing Fruits and Nuts (Nurseries and Landscape Plantings)
Calendula (4a)	Amelanchier (4d)	Apple (3q,4d,5a)
Carnation (5f)	Ash (4c)	Cherry (2b,3d)
Chrysanthemum (2a)	Azalea (2c,4b)	Citrus (3m)
Delphinium (4a)	Crabapple (3c,3q,4c,5a)	Nectarine (2b)
Gomphrena (3a)	Crape Myrtle (4a)	Peach (2b)
Iris (5d)	Dogwood (3h,4c)	Pecan (3b,3c,3f,3l,3n,4e)
Marigold (3a)	Douglas Fir (5b)	Plum (2b)
Monarda (4c)	Hawthorn (5a)	Walnut (3j)
Phlox (4c)	Juniper (1a)	
Snapdragon (5d)	Lilac (4c)	
Sweet William (3k)	Oaks (3p)	
<i>(Dianthus barbatus)</i>	Pines (1b,1c)	
Zinnia (4c)	Poplars (5b)	
	Pyracantha (3o)	
	Red Tip Photinia (3i)	
	Rhododendron (2c,3n)	
	Roses (3g,4e,5c)	
	<i>(Outdoor Use Only)</i>	
	Shasta Fir (5e)	

**Table 2. Diseases**

Letters in brackets refer to application regimes. See Table 3.

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1. Conifer Blights

- a. *Phomopsis juniperovora* (Phomopsis Blight) [B]
- b. *Sirococcus strobolinus* (Tip Blight) [D]
- c. *Sphaeropsis sapinea* (Diplodia Tip Blight) [B]

2. Flower Blight

- a. *Ascochyta chrysanthemi* (Ray Blight) [C]
- b. *Monilinia* spp. [A]
- c. *Ovulinia* spp. [B]

3. Leaf Blights/Spots

- a. *Alternaria* spp. [B]
- b. *Cercospora* spp. (Brown Leaf Spot) [C]
- c. *Cladosporium* spp. (Scab) [C]
- d. *Coccomyces hiemalis* [A]
- e. *Collectrichum* spp. [B]
- f. *Cristulariella* spp. (Zonate leafspot) [C]
- g. *Diplocarpon rosae* (Blackspot) [B]
- h. *Discula* spp. (Anthracnose) [A]
- i. *Fabraea maculata* (syn. *Entomosporium maculata*) [B]
- j. *Gnomonia leptostyla* (Anthracnose) [C]
- k. *Heterosporium echinulatum* [B]
- l. *Mycosphaerella caryigena* (Downy Spot) [C]
- m. *Mycosphaerella fructicola* (Greasy Spot) [E]
- n. *Septoria* spp. (Leaf Scorch) [C]
- o. *Spilocaea pyracanthae* [B]
- p. *Tubakia dryina* [D]
- q. *Venturia inaequalis* (Scab) [A]

4. Powdery Mildew

- a. *Erysiphe* spp. [B]
- b. *Microsphaera* spp. [C]
- c. *Oidium* spp. [B]
- d. *Podosphaera* spp. [B]
- e. *Sphaerotheca pannosa* [B]

5. Rust

- a. *Gymnosporangium juniperi-virginianae* [A]
  - b. *Melampsora occidentalis* [D]
  - c. *Phragmidium* spp. [B]
  - d. *Puccinia* spp. [B]
  - e. *Pucciniastrum goeppertianum* [D]
  - f. *Uromyces dianthi* [B]
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**Table 3. Application Regimes**

- [A] Mix  $\frac{2}{3}$  to  $1\frac{1}{3}$  oz. of Banner WP in 100 gals. of water and apply as a full coverage spray to the point of drip. Apply every 14-21 days during the period of primary infection. If disease is present, tank mix with an EPA-registered contact fungicide. For flower blight, apply Banner WP when there is 5-10% bloom and again at 70-100% bloom. For dogwoods, apply the  $\frac{2}{3}$  to  $1\frac{1}{3}$  oz. rate every 14 days, or apply  $2\frac{2}{3}$  oz. of Banner WP every 28 days.
- [B] Mix  $1\frac{2}{3}$  to  $2\frac{2}{3}$  oz. of Banner WP in 100 gals. of water and apply as a full coverage spray to the point of drip. Apply as needed, beginning when conditions are favorable for disease development. For blackspot, apply with a registered contact fungicide labeled for blackspot. For Calendula, apply every 30 days. For diplodia tip blight, make 3 applications every 14 days prior to major period of infection. For juniper phomopsis blight, make first application as soon as junipers start to grow, and repeat the applications every 14-21 days during periods of active growth.
- [C] Mix  $2\frac{2}{3}$  to 4 oz. of Banner WP in 100 gals. of water and apply as a full coverage spray to the point of drip. Apply every 30 days, beginning when conditions are favorable for disease development. For pecans, apply the 4 oz. rate beginning at bud break. Apply 3 times on 14-day intervals. For walnuts, apply 3 oz. at 14-21 day intervals. For ray blight, apply 4 oz. at 7-day intervals or  $6\frac{2}{3}$  oz. at 14-day intervals.
- [D] Mix  $5\frac{1}{3}$  oz. of Banner WP in 100 gals. of water and apply as a full coverage spray to the point of drip. Apply every 14-28 days, beginning when conditions are favorable for disease development. For Douglas fir needle rust, apply once in May. For tip blight, initiate applications in mid-late winter, and apply 3 times at 2-month intervals.
- [E] Mix  $6\frac{2}{3}$  to 8 oz. of Banner WP in 100 gals. of water and apply as a full coverage spray to the point of drip. Apply during June to August time period.

**Note:** To avoid possible illegal residues, do not apply to apple, cherry, citrus, peach, plum, nectarine, pecan, or walnut tree trees that will bear harvestable fruit within 12 months.

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### Banner MAXX - Banner WP Conversion Table for Ornamentals

If lower rates of Banner WP are desired, do not open water-soluble packets. Instead, consider using Banner MAXX. The conversion rates are listed below:

#### Banner MAXX

2 fl. oz./100 gals.  
4 fl. oz./100 gals.  
5 fl. oz./100 gals.  
6 fl. oz./100 gals.  
8 fl. oz./100 gals.  
12 fl. oz./100 gals.  
16 fl. oz./100 gals.  
20 fl. oz./100 gals.  
24 fl. oz./100 gals.

#### Banner WP

$\frac{2}{3}$  oz./100 gals.  
1 $\frac{1}{3}$  oz./100 gals.  
1 $\frac{2}{3}$  oz./100 gals.  
2 oz./100 gals.  
2 $\frac{2}{3}$  oz./100 gals.  
4 oz./100 gals.  
5 $\frac{1}{3}$  oz./100 gals.  
6 $\frac{2}{3}$  oz./100 gals.  
8 oz./100 gals.

### Storage and Disposal

#### Pesticide Disposal

Do not contaminate water, food, or feed by storage or disposal. Pesticide wastes are 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 outer container. Dispose of empty container in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, keep out of smoke.

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 procedures 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

#### Hazards to Humans and Domestic Animals

#### CAUTION

Causes eye irritation. Harmful if swallowed or absorbed through skin.



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Do not get in eyes, on skin, or on clothing.

### Statement of Practical Treatment

**If in eyes:** Hold eyelids open and flush eyes with a steady, gentle stream of water for 15 minutes. Get medical attention if irritation persists.

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

**Note to Physician:** If ingested, induce emesis or lavage stomach. Treat symptomatically.

### Personal Protective Equipment

**Applicators and other handlers must wear:**

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

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.

18/pc

**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 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.

**Physical or Chemical Hazards**

Do not use or store near heat or open flame.

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Novartis Crop Protection, Inc.  
Turf and Ornamental Products  
Ciba-Geigy Corporation  
Greensboro, North Carolina 27419

NCP (7 oz.) Product ID:  
NCP (1 lb.) Product ID:

**This booklet manufactured using post-consumer, recycled paper.**

[QUARK\BANNER-WP\N-BANNER-WP] - ccg - 5/5/97

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Booklet Back Panel

Banner® WP

FUNGICIDE

Broad spectrum and systemic disease control for turf and ornamentals

Active Ingredient: Propiconazole:  
1-[[2-(2,4-dichlorophenyl)-4-propyl-  
1,3-dioxolan-2-yl]methyl]-1H-1,2,4-  
triazole

Active Ingredient: Propiconazole: 1-[[2-(2,4-dichlorophenyl)-4-propyl- 1,3-dioxolan-2-yl]methyl]-1H-1,2,4- triazole	.45%
Inert Ingredients:	55%
Total:	100%

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 supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.**

EPA Reg. No. 100-

EPA Est. 100-AL-1

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7 oz.  
Net Weight

1 lb.  
Net Weight

U.S. Standard Measure

**KEEP OUT OF REACH OF CHILDREN.**

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**CAUTION**

**Precautionary Statements**

**Hazards to Humans and Domestic Animals**

Causes eye irritation. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin, or on clothing.

**Statement of Practical Treatment**

**If in eyes:** Hold eyelids open and flush eyes with a steady, gentle stream of water for 15 minutes. Get medical attention if irritation persists.

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

**Note to Physician:** If ingested, induce emesis or lavage stomach. Treat symptomatically.

**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.

**Physical or Chemical Hazards**

Do not use or store near heat or open flame. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.

**Chemigation**

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

Novartis Crop Protection, Inc.  
Turf and Ornamental Products  
Greensboro, North Carolina 27419

NCP (7 oz.)  
NCP (1 lb.)

Product ID:  
Product ID:

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