



PM21

100-641

FILE

1/24

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

JAN 14 1994

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Theresa Kamicker
CIBA-GEIGY CORP.
P.O. BOX 18300
GREENSBORO, N.C. 27419

Subject: Label Amendment Submission of 07/16/93 In Response to PR Notice 93-7
EPA Reg. No. 100-641
BANNER

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

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Page 2

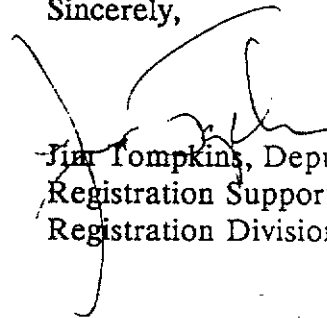
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,


Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

Theresa Kamicker
CIBA-GEIGY CORP.
P.O. BOX 18300
GREENSBORO NC 27419

Subject: Label Amendment Submission of 07/16/93
to Comply with WPS Labeling Requirements
EPA Reg Nr. 100-641
BANNER

The following specific comments pertain to your
WPS labeling submission concerning the product
cited above:

There is a typographical error(s) in the Spanish language
text.

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August 15, 1989
September 27, 1989
May 16, 1990
August 8, 1991

[GANNONC.LABELB]BANRMLWP - 7/8/93

5/24

WPS
MASTER LABEL BOOKLET
(For Update Purposes Only)

BANNER®

FUNGICIDE

Broad spectrum and systemic
disease control for turf and
ornamentals

ACCEPTED
with COMMENTS
In EPA Letter Dated

JAN 14 1994

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

Active Ingredient:

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

Inert Ingredients*:

Total:

14.3%

85.7%

100.0%

*Contains xylene-range aromatic solvent

EPA Reg. No. 100-641

EPA Est. 100-AL-1

KEEP OUT OF REACH OF CHILDREN.

WARNING/AVISO

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

See additional precautionary statements
and directions for use inside booklet.

One Quart (CGA 76L5E 053)

One Gallon (CGA 76L2G 053)

Fifteen Gallons (CGA 76L13C 053)

U.S. Standard Measure

Ciba-Geigy

[GANNONC.LABELB] - [BANRMLWP] - 7/8/93

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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.

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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.

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 over short-sleeved shirt and short pants
- Chemical-resistant gloves, such as barrier laminate or viton
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

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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.

9/24

General Information

Banner 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 (*Corticium fuciforme*), rust (*Puccinia graminis*), powdery mildew (*Erysiphe graminis*), stripe smut (*Ustilago striiformis* and *Urocystis agropyri*), summer patch (*Magnaporthe poae*), spring dead spot (*Leptosphaeria korrea*), gray leafspot (*Pyricularia grisea*), pink snowmold (*Fusarium nivale*), gray snowmold (*Typhula* spp.), and zoysia patch.

Banner also controls numerous diseases on ornamentals and other landscape and nursery plantings. It controls powdery mildews, rusts, leafspots, 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 as a tree injection.

Mixing Instructions

Fill the spray tank 1/2-3/4 full with water, add the proper amount of Banner, then add the rest of the water. Provide sufficient agitation during mixing and application to maintain a uniform emulsion.

If Banner is tank mixed with other products, use the following sequence:

1. Always check the compatibility of the tank mix using a jar test with proportionate amounts of Banner, other chemicals to be used, and water, before mixing in the spray tank.
2. Provide sufficient jet or mechanical agitation during filling and application to keep the tank mix uniformly suspended.
3. Fill tank at least 1/2 full of clean water.
4. Add wettable powders to the tank first, allowing them to completely suspend in the tank before proceeding. This process can be hastened by premixing the product in water before adding to the tank.
5. Add flowables or suspensions next.
6. Add Banner and other emulsifiable concentrates last.
7. Do not leave tank mix combinations in the spray tank for prolonged periods without agitation. Mix and apply them the same day.

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Turfgrass and Dichondra Disease Control

1. USE BANNER 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 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 in conjunction with turf management practices that promote good plant health and optimum disease control.
8. Addition of surfactants may result in phytotoxicity.
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. Do not exceed 4 fl. oz. per 1,000 sq. ft. every 30 days on any variety of bermudagrass. In Florida, do not apply Banner to Bermuda-grass 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.

Tank Mixes

For broader spectrum control, Banner can be tank mixed with other fungicides. For example, Subdue® or Pace® may be tank mixed with Banner or used alone when conditions are favorable for Pythium blight. Banner is also compatible with numerous herbicides and insecticides. Check compatibility before tank mixing. Add Unite® (3 pts./100 gals.) to tank mixes which are incompatible. Do not mix Banner and Tersan® 1991 in a fertilizer solution. Follow the directions under Mixing Instructions for tank mixes. Observe all directions, precautions, and limitations on labeling of all products used in tank mixes. Tank mixtures or other applications of products referenced on this label are permitted only in those states in which the referenced products are registered.

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Turfgrass - Specific Diseases, Rates and Application Timing

<u>Disease</u>	<u>Fl. Oz. Per</u> <u>1,000 sq. ft.</u>	<u>Application</u> <u>Interval/</u> <u>Timing</u>	<u>Instructions</u>
Dollar Spot	0.5	7-14 days	Apply when conditions are favorable for disease development. If the 0.5 fl. oz. rate is used, tank mix with the lowest label rate of another EPA-registered fungicide having a different mode of action. If using the 1-2 fl. oz. rate, 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.
	1-2	14-28 days	

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Disease	Fl. Oz. Per 1,000 sq. ft.	Application Interval/ Timing	Instructions
Brown Patch	2-4	10-21 days	Begin applica- tions in May or June before disease is present. If disease is present, mix 2 fl. oz. Banner per 1,000 sq. ft. with a registered contact fungicide at the labeled rate. Under conditions of high temperature and high humidi- ty, use the high- er rates and shorter intervals.
Powdery Mildew, Rust, Anthracnose	1-2	14-28 days	Apply when conditions are favorable for disease development.
Red Thread	2	14-21 days	Apply when conditions are favorable for disease development.

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Disease	Fl. Oz. Per 1,000 sq. ft.	Application Interval/ Timing	Instructions
Stripe Smut	1-2	Fall or Spring	Apply once in the fall after grass becomes dormant or in the early spring before grass starts to grow.
Gray Leafspot (St. Au- gustinegrass sod produc- tion)	2	14 days	Apply when conditions are favorable for disease development.
Melting Out, Leaf Spot	2-4	14 days	Under light to moderate pressure, apply Banner to reduce the severity of leaf spot and melting out caused by Helminthosporium type pathogens.
Summer Patch, Poa Patch	4	30 days	Apply Banner at monthly intervals beginning in April. Make 2-3 applications depending on local recommendations.
Spring Dead Spot (California Only)	4	30 days	Apply Banner at monthly intervals beginning in August. Make three applications.

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<u>Disease</u>	<u>Fl. Oz. Per</u> <u>1,000 sq. ft.</u>	<u>Application</u> <u>Interval/</u> <u>Timing</u>	<u>Instructions</u>
<hr/>			
Snowmold			
Gray - <u>Typhula</u> spp.	4	Late Fall	Apply one appli- cation in the late fall before snow cover. Do not apply on top of snow.
Pink - <u>Fusarium</u> <u>nivale</u>			
<hr/>			
Zoysia patch, large patch of zoysia	3-4	Early Fall	Make one appli- cation 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.

Dichondra - Specific Diseases, Rate and Application Timing

<u>Disease</u>	<u>Fl. Oz. Per</u> <u>1,000 sq. ft.</u>	<u>Application</u>	
		<u>Interval/</u> <u>Timing</u>	<u>Instructions</u>
Dichondra Rust	2	14-21 days	Apply when condi- tions are favorable for disease development.

15/24

Establishment of Cool Season Turfgrass

Banner 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 will improve the rate of establishment when it is applied to cool season grass seedlings or sod.

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

Sod: Apply 1 oz./1,000 sq. ft. 2-6 weeks before cutting for increased sod knitting and rate of establishment after setting.

Disease Control in Nurseries (Field) and Landscape Plantings

1. USE BANNER IN A PREVENTATIVE DISEASE CONTROL PROGRAM. INITIATE APPLICATIONS ACCORDING TO LOCAL RECOMMENDATIONS OR AT FIRST SIGNS OF DISEASE.
2. Apply in enough water to thoroughly cover foliage to the point of runoff.
3. Allow spray to dry before overhead irrigation is applied.
4. Optimum benefit of Banner is obtained when used in conjunction with sound disease management practices.

Note: Banner has been shown to be safe on the species of plants and effective in controlling the diseases listed in the Directions For Use. Other plant species may be sensitive to Banner and other diseases may not be controlled. Before using Banner on plants or for diseases that are not listed in the Directions For Use, test Banner on a small scale basis first. Do not apply Banner 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.

16/24

Bedding and Flowering Plants

<u>Species</u>	<u>Disease</u>	<u>Recommended Rates and Timing</u>
Calendula	Powdery Mildew (<u>E. cichoracearum</u>)	Apply 5 fl. oz. per 100 gals. every 30 days.
Chrysanthemums	Ray Blight (<u>Ascochyta chrysanthemi</u>)	Apply 12 fl. oz. per 100 gals. at 7-day intervals or 20 fl. oz. per 100 gals. at 14-day intervals.
Delphinium	Powdery mildew (<u>Erysiphe</u> sp.)	Apply 5 fl. oz. per 100 gals. every 10-14 days.
Roses (Field-grown only)	Powdery Mildew (<u>S. pannosa</u>)	Apply 5 fl. oz. per 100 gals. on a 10-14 day interval. Thorough coverage is needed for best results. Begin applications when conditions are favorable for disease development.
	Rust/ (<u>Phragmidium</u> spp.)	Apply 5-10 fl. oz. per 100 gals. on a 10-14 day interval. Use the highest rate and shortest interval when conditions for disease are severe.
	Blackspot (<u>D. rosea</u>)	Tank mix 5 fl. oz. per 100 gals. with a registered contact fungicide labeled for blackspot control.

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<u>Species</u>	<u>Disease</u>	<u>Recommended Rates and Timing</u>
Snapdragon	Rust (<u>Puccinia</u> sp.)	Apply 10 fl. oz. per 100 gals. every 7-10 days.
Sweet William (<u>Dianthus</u> <u>barbatus</u>)	Leafspot (<u>Heterosporium</u> <u>echinulatum</u>)	Apply 6 fl. oz. per 100 gals. every 14 days.

Woody Plants

<u>Species</u>	<u>Disease</u>	<u>Recommended Rates and Timing</u>
Crabapple	Scab (<u>Venturia</u> <u>inaequalis</u>)	Apply 2 fl. oz. per 100 gals. every 14 days. Begin at green tip.
	Rust (<u>G. juniperi</u>)	Apply 2 fl. oz. per 100 gals. every 7 days. Make 3 applications beginning at green tip.
	Powdery Mildew	Apply 6-8 fl. oz. per 100 gals. every 14 days.
Crape Myrtle	Powdery Mildew (<u>E. lagerstroemia</u>)	Apply 16 fl. oz. per 100 gals. every 21 days.
Dogwood	Anthrachnose (<u>Discula</u> spp.)	Apply 2-4 fl. oz. per 100 gals. every 14 days or apply 8 oz./100 gal. every 28 days.
Douglas Fir	Needle Rust (<u>Melampsora</u> <u>occidentalis</u>)	Apply 16 fl. oz. per 100 gals. Apply once in May.
Jeffrey Pine	Tip blight (<u>Sirococcus</u> <u>strobolinus</u>)	Apply 16 fl. oz. per 100 gals. Initiate applications in mid-late winter (Nov.-Jan.) Apply 3 times at 2-month intervals.

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<u>Species</u>	<u>Disease</u>	<u>Recommended Rates and Timing</u>
Oaks	Leafspot (<u>Tubakia dryina</u>)	Apply 16 fl. oz. per 100 gals. every 14 days.
Red Tip Photinia	Leafspot (<u>Fabraea maculata</u> syn. <u>Entomosporium</u> <u>maculatum</u>)	Apply 12-20 fl. oz. per 100 gals. every 7-14 days. Reductions of plant height may occur with Banner applications, especially on plants 6 inches or smaller.
Shasta Fir	Needle Rust (<u>Pucciniastrum</u> <u>goeppertianum</u>)	Apply 16 fl. oz. per 100 gals. in May-June prior to anticipated infection periods.

Non-Bearing Fruits and Nuts
(Nurseries and Landscape Plantings)

<u>Species</u>	<u>Disease</u>	<u>Recommended Rates and Timing</u>
Apple	Scab (<u>Venturia</u> <u>inaequalis</u>)	Apply 2 fl. oz. per 100 gals. beginning at green tip. Apply every 14 days.
	Rust (<u>G. juniperi</u>)	Apply 2 fl. oz. per 100 gals. every 7 days. Make 3 applications.
	Powdery Mildew (<u>P. leucotricha</u>)	Apply 6-8 fl. oz. per 100 gals. every 14 days.
Cherry	Powdery Mildew Leafspot (<u>Coccomyces</u> <u>hiemalis</u>)	Apply 2-4 fl. oz. per 100 gals. on a 14-21 day interval. Apply 4 fl. oz. per 100 gals. on a 14-21 day interval.
	Blossom Blight (<u>Monilinia</u> <u>fructicola</u>)	Apply 3-4 fl. oz. per 100 gals. Apply at 5-10% bloom and again at 70-100% bloom.
Citrus	Greasy Spot (<u>Mycosphaerella</u> <u>citri</u>)	Apply 20-24 fl. oz. per 100 gals./during June-August.

19/1/14

<u>Species</u>	<u>Disease</u>	<u>Recommended Rates and Timing</u>
Peach Plum Nectarine	Blossom Blight (<i>M. fructicola</i> or <i>M. laxa</i>)	Apply 3-4 fl. oz. per 100 gals. Apply at 5-10% bloom and again at 70-100% bloom.
Pecan	Scab (<i>Cladosporium</i>), Powdery Mildew, Downy Spot, Zonate Leafspot, Fungal Leaf Scorch, Brown Spot,	Apply 12 fl. oz. per 100 gals. beginning at bud break. Apply 3 times on a 14-day interval.
Walnut	Anthracnose	Apply 8.5 fl. oz. per 100 gals. at 14-21 day intervals.

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

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.

(For One Quart & One Gallon)

Container Disposal

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

(For Fifteen Gallon)

Container Refilling and Disposal

Refer to label on container for refilling and disposal instructions.

(For All)

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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

WARNING/AVISO

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

Statement of Practical Treatment

If in eyes: Immediately flush eyes with a steady, gentle stream of water. Get medical attention.

If on skin: Wash thoroughly with soap and water. Get medical attention if irritation occurs.

If swallowed: Do not induce vomiting. Drink plenty of water and contact a physician, hospital or local Poison Control Center.

If inhaled: Move victim to fresh air.

Notes to Physician: If ingested, lavage stomach to avoid aspiration. A slurry of activated charcoal in water can be left in the stomach. Give a saline laxative and supportive therapy.

Personal Protective Equipment (PPE):

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

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Applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves, such as barrier laminate or viton
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing, or loading

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 or enclosed cabs 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 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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Banner® trademark of Ciba-Geigy
U.S. Patent No. 4,079,062

Subdue® and Pace® trademarks of Ciba-Geigy

Tersan® 1991 trademark of E. I. duPont de Nemours and Co., Inc.

Unite® trademark of Hopkins Chemical Co.

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Ciba Plant Protection
Turf and Ornamental Products
Ciba-Geigy Corporation
Greensboro, North Carolina 27419

CGA 76L5E 053 (QUART)	Product ID: 58010
CGA 76L2G 053 (GALLON)	Product ID: 52840
CGA 76L13C 053 (15 GALLON)	Product ID: 59480

This booklet manufactured using post-consumer, recycled paper.

[GANNONC.LABELB]BANRMLWP - 7/8/93

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Booklet Back Panel
(For One Quart, One Gallon)

BANNER®

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

14.3%

Inert Ingredients*:

85.7%

Total:

100.0%

*Contains xylene-range aromatic solvent

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. 100-641

EPA Est. 100-AL-1

Banner® trademark of Ciba-Geigy

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

©1993 Ciba-Geigy Corporation

One Quart
One Gallon

U.S. Standard Measure

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.)

24/24

Precautionary Statements

Hazards to Humans and Domestic Animals

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

Statement of Practical Treatment

If in eyes: Immediately flush eyes with a steady, gentle stream of water. Get medical attention.

If on skin: Wash thoroughly with soap and water. Get medical attention if irritation occurs.

If swallowed: Do not induce vomiting. Drink plenty of water and contact a physician, hospital or local Poison Control Center.

If inhaled: Move victim to fresh air.

Notes to Physician: If ingested, lavage stomach to avoid aspiration. A slurry of activated charcoal in water can be left in the stomach. Give a saline laxative and supportive therapy.

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 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.

Ciba Plant Protection
Turf and Ornamental Products
Ciba-Geigy Corporation
Greensboro, North Carolina 27419

CGA 76L5E 053 (QUART)

Product ID: 58010

CGA 76L2G 053 (GALLON)

Product ID: 52840

Ciba-Geigy

June 16, 1987

Revised

March 3, 1988



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

JAN 14 1994

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Theresa Kamicker
CIBA-GEIGY CORP.
P.O. BOX 18300
GREENSBORO, N.C. 27419

Subject: Label Amendment Submission of 07/16/93 In Response to PR Notice 93-7
EPA Reg. No. 100-641
BANNER

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with Soy/Canola Ink on paper
containing at least 50% recycled fiber

Page 2

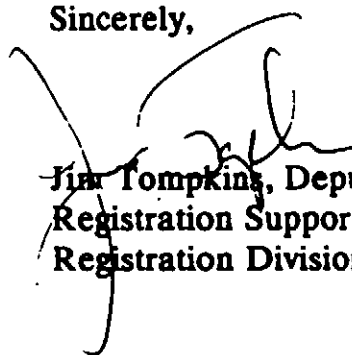
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

Theresa Kamicker
CIBA-GEIGY CORP.
P.O. BOX 18300
GREENSBORO NC 27419

Subject: Label Amendment Submission of 07/16/93
to Comply with WPS Labeling Requirements
EPA Reg Nr. 100-641
BANNER

The following specific comments pertain to your
WPS labeling submission concerning the product
cited above:

There is a typographical error(s) in the Spanish language
text.

WPS
MASTER LABEL BOOKLET
(For Update Purposes Only)

BANNER®

FUNGICIDE

Broad spectrum and systemic
disease control for turf and
ornamentals

ACCEPTED
with COMMENTS
In EPA Letter Dated

JAN 14 1994

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

Active Ingredient:

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

triazole 14.3%

Inert Ingredients*: 85.7%

Total: 100.0%

*Contains xylene-range aromatic solvent

EPA Reg. No. 100-641

EPA Est. 100-AL-1

KEEP OUT OF REACH OF CHILDREN.

WARNING/AVISO

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

See additional precautionary statements
and directions for use inside booklet.

One Quart (CGA 76L5E 053)
One Gallon (CGA 76L2G 053)
Fifteen Gallons (CGA 76L13C 053)

U.S. Standard Measure

Ciba-Geigy

[GANNONC.LABELB] - [BANRMLWP] - 7/8/93

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.

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 over short-sleeved shirt and short pants
- Chemical-resistant gloves, such as barrier laminate or viton
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

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.

General Information

Banner 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 (*Corticium fuciforme*), rust (*Puccinia graminis*), powdery mildew (*Erysiphe graminis*), stripe smut (*Ustilago striiformis* and *Urocystis agropyri*), summer patch (*Magnaporthe poae*), spring dead spot (*Leptosphaeria korrea*), gray leafspot (*Pyricularia grisea*), pink snowmold (*Fusarium nivale*), gray snowmold (*Typhula* spp.), and zoysia patch.

Banner also controls numerous diseases on ornamentals and other landscape and nursery plantings. It controls powdery mildews, rusts, leafspots, 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 as a tree injection.

Mixing Instructions

Fill the spray tank 1/2-3/4 full with water, add the proper amount of Banner, then add the rest of the water. Provide sufficient agitation during mixing and application to maintain a uniform emulsion.

If Banner is tank mixed with other products, use the following sequence:

1. Always check the compatibility of the tank mix using a jar test with proportionate amounts of Banner, other chemicals to be used, and water, before mixing in the spray tank.
2. Provide sufficient jet or mechanical agitation during filling and application to keep the tank mix uniformly suspended.
3. Fill tank at least 1/2 full of clean water.
4. Add wettable powders to the tank first, allowing them to completely suspend in the tank before proceeding. This process can be hastened by premixing the product in water before adding to the tank.
5. Add flowables or suspensions next.
6. Add Banner and other emulsifiable concentrates last.
7. Do not leave tank mix combinations in the spray tank for prolonged periods without agitation. Mix and apply them the same day.

Turfgrass and Dichondra Disease Control

1. USE BANNER 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 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 in conjunction with turf management practices that promote good plant health and optimum disease control.
8. Addition of surfactants may result in phytotoxicity.
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. Do not exceed 4 fl. oz. per 1,000 sq. ft. every 30 days on any variety of bermudagrass. In Florida, do not apply Banner 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.

Tank Mixes

For broader spectrum control, Banner can be tank mixed with other fungicides. For example, Subdue® or Pace® may be tank mixed with Banner or used alone when conditions are favorable for Pythium blight. Banner is also compatible with numerous herbicides and insecticides. Check compatibility before tank mixing. Add Unite® (3 pts./100 gals.) to tank mixes which are incompatible. Do not mix Banner and Tersan® 1991 in a fertilizer solution. Follow the directions under Mixing Instructions for tank mixes. Observe all directions, precautions, and limitations on labeling of all products used in tank mixes. Tank mixtures or other applications of products referenced on this label are permitted only in those states in which the referenced products are registered.

Turfgrass - Specific Diseases, Rates and Application Timing

<u>Disease</u>	<u>Fl. Oz. Per</u> <u>1,000 sq. ft.</u>	<u>Application</u> <u>Interval/</u> <u>Timing</u>	<u>Instructions</u>
Dollar Spot	0.5	7-14 days	Apply when conditions are favorable for disease development. If the 0.5 fl. oz. rate is used, tank mix with the lowest label rate of another EPA-registered fungicide having a different mode of action. If using the 1-2 fl. oz. rate, 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.
	1-2	14-28 days	

<u>Disease</u>	<u>Fl. Oz. Per</u> <u>1,000 sq. ft.</u>	<u>Application</u> <u>Interval/</u> <u>Timing</u>	<u>Instructions</u>
Brown Patch	2-4	10-21 days	Begin applica- tions in May or June before disease is present. If disease is present, mix 2 fl. oz. Banner per 1,000 sq. ft. with a registered contact fungicide at the labeled rate. Under conditions of high temperature and high humidi- ty, use the high- er rates and shorter intervals.
Powdery Mildew, Rust, Anthracnose	1-2	14-28 days	Apply when conditions are favorable for disease development.
Red Thread	2	14-21 days	Apply when conditions are favorable for disease development.

12 7 24

<u>Disease</u>	<u>Fl. Oz. Per</u> <u>1,000 sq. ft.</u>	<u>Application</u> <u>Interval/</u> <u>Timing</u>	<u>Instructions</u>
Stripe Smut	1-2	Fall or Spring	Apply once in the fall after grass becomes dormant or in the early spring before grass starts to grow.
Gray Leafspot (St. Augustinegrass sod production)	2	14 days	Apply when conditions are favorable for disease development.
Melting Out, Leaf Spot	2-4	14 days	Under light to moderate pressure, apply Banner to reduce the severity of leaf spot and melting out caused by Helminthosporium type pathogens.
Summer Patch, Poa Patch	4	30 days	Apply Banner at monthly intervals beginning in April. Make 2-3 applications depending on local recommendations.
Spring Dead Spot (California Only)	4	30 days	Apply Banner at monthly intervals beginning in August. Make three applications.

<u>Disease</u>	<u>Fl. Oz. Per</u> <u>1,000 sq. ft.</u>	<u>Application</u> <u>Interval/</u> <u>Timing</u>	<u>Instructions</u>
Snowmold			
Gray - <u>Typhula</u> spp.	4	Late Fall	Apply one appli- cation in the late fall before snow cover. Do not apply on top of snow.
Pink - <u>Fusarium</u> <u>nivale</u>			
Zoysia patch, large patch of zoysia	3-4	Early Fall	Make one appli- cation 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.

Dichondra - Specific Diseases, Rate and Application Timing

<u>Disease</u>	<u>Fl. Oz. Per</u> <u>1,000 sq. ft.</u>	<u>Application</u> <u>Interval/</u> <u>Timing</u>	<u>Instructions</u>
Dichondra Rust	2	14-21 days	Apply when condi- tions are favorable for disease development.

Establishment of Cool Season Turfgrass

Banner 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 will improve the rate of establishment when it is applied to cool season grass seedlings or sod.

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

Sod: Apply 1 oz./1,000 sq. ft. 2-6 weeks before cutting for increased sod knitting and rate of establishment after setting.

Disease Control in Nurseries (Field) and Landscape Plantings

1. USE BANNER IN A PREVENTATIVE DISEASE CONTROL PROGRAM. INITIATE APPLICATIONS ACCORDING TO LOCAL RECOMMENDATIONS OR AT FIRST SIGNS OF DISEASE.
2. Apply in enough water to thoroughly cover foliage to the point of runoff.
3. Allow spray to dry before overhead irrigation is applied.
4. Optimum benefit of Banner is obtained when used in conjunction with sound disease management practices.

Note: Banner has been shown to be safe on the species of plants and effective in controlling the diseases listed in the Directions For Use. Other plant species may be sensitive to Banner and other diseases may not be controlled. Before using Banner on plants or for diseases that are not listed in the Directions For Use, test Banner on a small scale basis first. Do not apply Banner 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.

Bedding and Flowering Plants

<u>Species</u>	<u>Disease</u>	<u>Recommended Rates and Timing</u>
Calendula	Powdery Mildew (<u>E. cichoracearum</u>)	Apply 5 fl. oz. per 100 gals. every 30 days.
Chrysanthemums	Ray Blight (<u>Ascochyta</u> <u>chrysanthemi</u>)	Apply 12 fl. oz. per 100 gals. at 7-day intervals or 20 fl. oz. per 100 gals. at 14-day intervals.
Delphinium	Powdery mildew (<u>Erysiphe</u> sp.)	Apply 5 fl. oz. per 100 gals. every 10-14 days.
Roses (Field-grown only)	Powdery Mildew (<u>S. pannosa</u>)	Apply 5 fl. oz. per 100 gals. on a 10-14 day interval. Thorough coverage is needed for best results. Begin applications when conditions are favorable for disease development.
	Rust/ (<u>Phragmidium</u> spp.)	Apply 5-10 fl. oz. per 100 gals. on a 10-14 day interval. Use the highest rate and shortest interval when conditions for disease are severe.
	Blackspot (<u>D. rosea</u>)	Tank mix 5 fl. oz. per 100 gals. with a registered contact fungicide labeled for blackspot control.

<u>Species</u>	<u>Disease</u>	<u>Recommended Rates and Timing</u>
Snapdragon	Rust (<u>Puccinia sp.</u>)	Apply 10 fl. oz. per 100 gals. every 7-10 days.
Sweet William (<u>Dianthus</u> <u>barbatus</u>)	Leafspot (<u>Heterosporium</u> <u>echinulatum</u>)	Apply 6 fl. oz. per 100 gals. every 14 days.

Woody Plants

<u>Species</u>	<u>Disease</u>	<u>Recommended Rates and Timing</u>
Crabapple	Scab (<u>Venturia</u> <u>inaequalis</u>)	Apply 2 fl. oz. per 100 gals. every 14 days. Begin at green tip.
	Rust (<u>G. juniperi</u>)	Apply 2 fl. oz. per 100 gals. every 7 days. Make 3 applications beginning at green tip.
	Powdery Mildew	Apply 6-8 fl. oz. per 100 gals. every 14 days.
Crape Myrtle	Powdery Mildew (<u>E. lagerstroemia</u>)	Apply 16 fl. oz. per 100 gals. every 21 days.
Dogwood	Anthracnose (<u>Discula spp.</u>)	Apply 2-4 fl. oz. per 100 gals. every 14 days or apply 8 oz./100 gal. every 28 days.
Douglas Fir	Needle Rust (<u>Melampsora</u> <u>occidentalis</u>)	Apply 16 fl. oz. per 100 gals. Apply once in May.
Jeffrey Pine	Tip blight (<u>Sirococcus</u> <u>strobolinus</u>)	Apply 16 fl. oz. per 100 gals. Initiate applications in mid-late winter (Nov.-Jan.) Apply 3 times at 2-month intervals.

<u>Species</u>	<u>Disease</u>	<u>Recommended Rates and Timing</u>
Oaks	Leafspot (<u>Tubakia dryina</u>)	Apply 16 fl. oz. per 100 gals. every 14 days.
Red Tip Photinia	Leafspot (<u>Fabraea maculata</u> syn. <u>Entomosporium maculatum</u>)	Apply 12-20 fl. oz. per 100 gals. every 7-14 days. Reductions of plant height may occur with Banner applications, especially on plants 6 inches or smaller.
Shasta Fir	Needle Rust (<u>Pucciniastrum goeppertianum</u>)	Apply 16 fl. oz. per 100 gals. in May-June prior to anticipated infection periods.

Non-Bearing Fruits and Nuts
(Nurseries and Landscape Plantings)

<u>Species</u>	<u>Disease</u>	<u>Recommended Rates and Timing</u>
Apple	Scab (<u>Venturia inaequalis</u>)	Apply 2 fl. oz. per 100 gals. beginning at green tip. Apply every 14 days.
	Rust (<u>G. juniperi</u>)	Apply 2 fl. oz. per 100 gals. every 7 days. Make 3 applications.
	Powdery Mildew (<u>P. leucotricha</u>)	Apply 6-8 fl. oz. per 100 gals. every 14 days.
Cherry	Powdery Mildew Leafspot (<u>Coccomyces hiemalis</u>)	Apply 2-4 fl. oz. per 100 gals. on a 14-21 day interval. Apply 4 fl. oz. per 100 gals. on a 14-21 day interval.
	Blossom Blight (<u>Monilinia fructicola</u>)	Apply 3-4 fl. oz. per 100 gals. Apply at 5-10% bloom and again at 70-100% bloom.
Citrus	Greasy Spot (<u>Mycosphaerella citri</u>)	Apply 20-24 fl. oz. per 100 gals./during June-August.

<u>Species</u>	<u>Disease</u>	<u>Recommended Rates and Timing</u>
Peach Plum Nectarine	Blossom Blight (<u>M. fruticola</u> or <u>M. laxa</u>)	Apply 3-4 fl. oz. per 100 gals. Apply at 5-10% bloom and again at 70-100% bloom.
Pecan	Scab (<u>Cladosporium</u>), Powdery Mildew, Downy Spot, Zonate Leafspot, Fungal Leaf Scorch, Brown Spot,	Apply 12 fl. oz. per 100 gals. beginning at bud break. Apply 3 times on a 14-day interval.
Walnut	Anthracnose	Apply 8.5 fl. oz. per 100 gals. at 14-21 day intervals.

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

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.

(For One Quart & One Gallon)

Container Disposal

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

(For Fifteen Gallon)

Container Refilling and Disposal

Refer to label on container for refilling and disposal instructions.

(For All)

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

WARNING/AVISO

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

Statement of Practical Treatment

If in eyes: Immediately flush eyes with a steady, gentle stream of water. Get medical attention.

If on skin: Wash thoroughly with soap and water. Get medical attention if irritation occurs.

If swallowed: Do not induce vomiting. Drink plenty of water and contact a physician, hospital or local Poison Control Center.

If inhaled: Move victim to fresh air.

Notes to Physician: If ingested, lavage stomach to avoid aspiration. A slurry of activated charcoal in water can be left in the stomach. Give a saline laxative and supportive therapy.

Personal Protective Equipment (PPE):

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

Applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves, such as barrier laminate or viton
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing, or loading

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 or enclosed cabs 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 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.

Banner® trademark of Ciba-Geigy
U.S. Patent No. 4,079,062

Subdue® and Pace® trademarks of Ciba-Geigy

Tersan® 1991 trademark of E. I. duPont de Nemours and Co., Inc.

Unite® trademark of Hopkins Chemical Co.

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Ciba Plant Protection
Turf and Ornamental Products
Ciba-Geigy Corporation
Greensboro, North Carolina 27419

CGA 76L5E 053 (QUART)	Product ID: 58010
CGA 76L2G 053 (GALLON)	Product ID: 52840
CGA 76L13C 053 (15 GALLON)	Product ID: 59480

This booklet manufactured using post-consumer, recycled paper.

[GANNONC.LABELB]BANRMLWP - 7/8/93

Booklet Back Panel
(For One Quart, One Gallon)

BANNER®

FUNGICIDE

Broad spectrum and systemic disease
control for turf and ornamentals.

Active Ingredient:

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

triazole 14.3%

Inert Ingredients*: 85.7%

Total: 100.0%

*Contains xylene-range aromatic solvent

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. 100-641

EPA Est. 100-AL-1

Banner® trademark of Ciba-Geigy

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

©1993 Ciba-Geigy Corporation

One Quart
One Gallon

U.S. Standard Measure

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.)

Precautionary Statements

Hazards to Humans and Domestic Animals

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

Statement of Practical Treatment

- If in eyes: Immediately flush eyes with a steady, gentle stream of water. Get medical attention.
- If on skin: Wash thoroughly with soap and water. Get medical attention if irritation occurs.
- If swallowed: Do not induce vomiting. Drink plenty of water and contact a physician, hospital or local Poison Control Center.
- If inhaled: Move victim to fresh air.

Notes to Physician: If ingested, lavage stomach to avoid aspiration. A slurry of activated charcoal in water can be left in the stomach. Give a saline laxative and supportive therapy.

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 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.

Ciba Plant Protection
Turf and Ornamental Products
Ciba-Geigy Corporation
Greensboro, North Carolina 27419

CGA 76L5E 053 (QUART)
CGA 76L2G 053 (GALLON)

Product ID: 58010
Product ID: 52840

Ciba-Geigy

Revised June 16, 1987
March 3, 1988

August 15, 1989
September 27, 1989
May 16, 1990
August 8, 1991

[GANNONC.LABELB] BANRMLWP - 7/8/93