



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460**

**OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION**

August 22, 2023

Shannon Cooley
Regulatory Specialist
Control Solutions, Inc.
5903 Genoa-Red Bluff
Pasadena, TX 77507-1041

Subject: Label Amendment –add state restrictive language to label
Product Name: Bumper 14.3 EC
EPA Registration Number: 53883-363
Application Date: 6/16/2022
Decision Number: 585745

Dear Shannon Cooley:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

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

If you have any questions, please contact Carmen Swinger at swinger.carmen@epa.gov.

Sincerely,



Nathan Mellor, Product Manager 21
Fungicide Branch
Registration Division (7505T)
Office of Pesticide Programs

Enclosure

ACCEPTED

08/22/2023

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 53883-363

PROPICONAZOLE

GROUP

3

FUNGICIDE

BUMPER 14.3 EC

(PROPICONAZOLE) FUNGICIDE

Alternate Brand Name(s): Honor Guard [PPZ Turf & Ornamental Fungicide], Quali-Pro Propiconazole 14.3

BROAD SPECTRUM AND SYSTEMIC DISEASE CONTROL FOR TURF AND ORNAMENTALS AND A FLARE ROOT-INJECTED SYSTEMIC FUNGICIDE FOR CONTROL OF SELECTED DISEASES IN TREES

ACTIVE INGREDIENT:	% BY WT
Propiconazole: 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]Methyl]-1H-1,2,4-triazole.....	14.3%
OTHER INGREDIENTS:	85.7%
TOTAL	100.0%

BUMPER 14.3 EC is an emulsifiable concentrate containing 1.3 lbs. of active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN CAUTION-PRECAUCIÓN

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.)

Manufactured by:
Control Solutions, Inc.
5903 Genoa Red Bluff
Pasadena, Texas 77507

EPA Reg. No. 53883-363

EPA Est. No. XXXXXXXXXX

NET CONTENTS: _____ GALS.

FIRST AID

IF SWALLOWED:	<ul style="list-style-type: none"> • 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 do so by a poison control center or doctor. • DO NOT give anything by mouth to an unconscious person.
IF IN EYES:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
IF INHALED:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact SafetyCall® International for emergency medical treatment at (866) 897-8050. NOTE TO PHYSICIAN: There is no specific antidote for this product. Induce emesis or lavage stomach, taking care to avoid aspiration of stomach contents into lungs.</p>	

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical resistant to this product are listed below.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves including barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride (PVC), or Viton
- Shoes plus socks

USER SAFETY REQUIREMENTS

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. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. **DO NOT** reuse them.

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:

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

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and shrimp. **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 cleaning equipment or disposing of equipment washwater or rinsate.

PHYSICAL OR CHEMICAL HAZARDS

DO NOT use or store near or use with oxidizing agents.

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 can 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 12 hours.

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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 including plants, soil, or water is:

- Coveralls
- Chemical-resistant gloves including barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride (PVC), or Viton
- Shoes plus socks

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.

PRODUCT INFORMATION

BUMPER 14.3 EC 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 striiformis* 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 (*Bipolaris* 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*).

BUMPER 14.3 EC also controls numerous diseases on 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.

RESTRICTIONS:

- **DO NOT** apply more than 5.4 gallons per acre (16 fl. oz. per 1000 sq. ft.) of BUMPER 14.3 EC per calendar year.
- Maximum application rate is 1.79 lbs. propiconazole per acre and maximum yearly application rate is 7.2 lbs. propiconazole per acre per calendar year.
- Bermudagrass can be sensitive to BUMPER 14.3 EC. **DO NOT** exceed 4 fl. Oz. per 1000 sq. ft. every 30 days on any variety of bermudagrass. In Florida, **DO NOT** apply BUMPER 14.3 EC to bermudagrass golf course greens when temperature exceed 90°F.
- **DO NOT** graze animals on treated areas.
- **DO NOT** feed clippings from treated areas to livestock or poultry.
- **DO NOT** apply this product through any type of irrigation system.

RESISTANCE MANAGEMENT

For resistance management, BUMPER 14.3 EC contains a Group 3 fungicide. Any fungal population may contain individuals naturally resistant to BUMPER 14.3 EC and other Group 3 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Follow appropriate resistance-management strategies.

To delay fungicide/bactericide resistance, take one or more of the following steps:

- Rotate the use of BUMPER 14.3 EC or other Group 3 fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicide from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide/bactericide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM directions for specific crops and pathogens.
- For further information or to report suspected resistance contact your local Control Solutions, Inc. representative. You can also contact your pesticide distributor or university extension specialist to report resistance.

MIXING INSTRUCTIONS

Fill the spray tank 1/2 to 3/4 full with water. Add the proper amount of BUMPER 14.3 EC and then add the remainder of the water. Provide sufficient agitation during mixing and application to maintain a uniform emulsion.

If BUMPER 14.3 EC 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 BUMPER 14.3 EC, other chemicals to be used, and the 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 with clean water.
4. Add wettable powders to the tank first, allowing them to completely suspend in the tank before proceeding. Premixing the product in water before adding to the tank will hasten the process.
5. Add flowables or suspensions next.
6. Add BUMPER 14.3 EC next.
7. Add emulsifiable concentrates last.
8. **DO NOT** leave tank mix combinations in the spray tank for prolonged periods without agitation. Mix and apply them the same day.

TANK MIXES

For broader spectrum control, BUMPER 14.3 EC can be tank mixed with other fungicides. BUMPER 14.3 EC is also compatible with numerous herbicides and insecticides. Check compatibility before tank mixing. Add Unite® (3 pts. per 100 gals.) to tank mixes which are incompatible. 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.

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

SPRAY DRIFT MANAGEMENT

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, and relative humidity) and method of application can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

Wind Speed

DO NOT apply at wind speeds greater than 15 mph.

Droplet Size

Apply as a medium or coarser spray (ASAE Standard 572).

Temperature Inversions

If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. **DO NOT** make applications into areas of temperature inversions or stable atmospheric conditions.

Other State and Local Requirements

Applicators must follow all state and local pesticide drift requirements regarding application of propiconazole. Where states have more stringent regulations, they must be observed.

Equipment

All application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

TURFGRASS AND DICHONDRA DISEASE CONTROL

1. Use BUMPER 14.3 EC in a preventive 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, BUMPER 14.3 EC can be watered in after application.
6. Under conditions optimum for high disease pressure, use the higher rate and the shorter application interval.
7. For optimum turf quality and disease control, use BUMPER 14.3 EC 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.

RESTRICTIONS:

- **DO NOT** graze animals on treated areas.
- **DO NOT** feed clippings from treated areas to livestock or poultry.
- Maximum Single Application Rate: 1.79 lbs. ai/A (1.4 gal./A of Bumper 14.3 EC or 4 fl. oz./1,000 sq. ft)
- Maximum Annual Rate: 7.2 lbs. ai/A/year (5.5 gal./A of Bumper 14.3 EC or 16 fl. oz./1,000 sq. ft./year)
- Maximum Number of Applications per Year: 4 at the highest rate of 1.79 lb. ai/A (1.4 gal./A of Bumper 14.3 EC or 4 fl. oz./1,000 sq. ft)
- Minimum Retreatment Interval: 14 days
- **DO NOT** exceed 4 fl. oz./1,000 sq. ft. every 30 days on any variety of bermudagrass. In FL, **DO NOT** apply Bumper 14.3 EC to bermudagrass golf course greens when temperatures exceed 90°F.

TURFGRASS—SPECIFIC DISEASES, RATES, AND APPLICATION TIMING				
Disease	Fl. Oz. Per 1000 Sq. Ft. (lbs. A.I./1000 Sq. Ft.)	Fl. Oz. Per Acre (lbs. A.I./Acre)	Application Interval/ Timing	Application Instructions
Dollar Spot (<i>Sclerotinia homoeocarpa</i>)	0.5 (0.005)	22 (0.22)	14 days	Tank mix with low label rate of one of the following fungicides: Daconil® Weatherstick(EPA#505342-209-100;A.I. Chlorothalonil)(or Quali-Pro Chlorothalonil 720 SFT;EPA# 53883-310; A.I. Chlorothalonil) Daconil Ultrex(EPA#50534-202-100; A.I. Chlorothalonil) (or Quali-Pro Chlorothalonil DF; EPA# 53883-313; A.I. Chlorothalonil)
	1 (0.01)	44 (0.44)	21-28 days	Tank mix with low label rate of one of the following fungicides: Daconil Weatherstick (EPA#505342-209-100;A.I. Chlorothalonil) (or Quali-Pro Chlorothalonil 720 SFT;EPA# 53883-310; A.I. Chlorothalonil) Daconil Ultrex (EPA#50534-202-100; A.I. Chlorothalonil) (or Quali-Pro Chlorothalonil DF; EPA# 53883-313; A.I. Chlorothalonil) Iprodione 2SE(EPA#89442-13; A.I. Iprodione) or Quali-Pro Ipro 2SE(EPA#53883-380;A.I. Iprodione)
	1-2 (0.01-0.02)	44-88 (0.44-0.89)	14-28 days	If using the 1-2 fl. oz. per 1000 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.
Anthracnose (<i>Colletotrichum graminicola</i>)	1-2 (0.01-0.02)	44-88 (0.44-0.89)	14-28 days	Apply when conditions are favorable for disease development. Use higher rates of BUMPER 14.3 EC and shorter application intervals when disease pressure is high. For broad spectrum control, tank mix with a registered contact fungicide at the label rate. If disease is present, mix 2 fl. oz. of BUMPER 14.3 EC per 1000 sq. ft. with the label rate of the above-mentioned contact fungicides.
Brown Patch (<i>Rhizoctonia solani</i>)	1-2 (0.01-0.02)	44-88 (0.44-0.89)	14-21 days	Begin applications in May or June before disease is present. Tank mix with a registered contact fungicide labeled for brown patch control at the label rate. Under conditions of high temperatures and high humidity, use the higher rates of BUMPER 14.3 EC and shorter application intervals.
Powdery Mildew (<i>Erysiphe graminis</i>) Rust (<i>Puccinia graminis</i>)	1-2 (0.01-0.02)	44-88 (0.44-0.89)	14-28 days	Apply when conditions are favorable for disease development. If disease is present, use 2 fl. oz. of BUMPER 14.3 EC per 1000 sq. ft.
Red Thread (<i>Laetisaria fuciformis</i>) Pink Patch (<i>Limonomyces roseipellis</i>)	2 (0.02)	88 (0.89)	14-21 days	Apply when conditions are favorable for disease development.

Stripe Smut (<i>Ustilago striiformis</i>) (<i>Urocystis agropyri</i>)	1-2 (0.01-0.02)	44-88 (0.44-0.89)	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>)	1-2 (0.01-0.02)	44-88 (0.44-0.89)	14 days	Apply when conditions are favorable for disease development. If using the 1 fl. oz. per 1000 sq. ft. rate, tank mix with a registered contact fungicide at the label rate.
TURFGRASS—SPECIFIC DISEASES, RATES, AND APPLICATION TIMING (CONT.)				
Disease	Fl. Oz. Per 1000 Sq. Ft. (lbs. A.I./1000 Sq. Ft.)	Fl. Oz. Per Acre (lbs. A.I./Acre)	Applicati on Interval/ Timing	Application Instructions
Melting out, Leaf Spot (<i>Bipolaris</i> spp.) (<i>Drechslera</i> spp.)	1-2 (0.01-0.02)	44-176 (0.44-1.79)	14 days	Under light to moderate pressure, apply BUMPER 14.3 EC to reduce the severity of leaf spot and melting out caused by Helminthosporium-type pathogens. For broad spectrum disease control, tank mix the 1 fl. oz. BUMPER 14.3 EC rate with a registered contact fungicide at the label rate Tank mix the 1-2 fl. oz. per 1000 sq. ft. BUMPER 14.3 EC rate with a registered contact fungicide at the label rate.
Summer Patch, Poa Patch (<i>Magnaporthe poae</i>)	2 4 (0.02) (0.04)	88 176 (0.89) (1.79)	14 days 28 days	Apply BUMPER 14.3 EC beginning in April. Use the 4 fl. oz. per 1000 sq. ft. rate on a 28-day schedule and the 2 fl. oz. per 1000 sq. ft. rate on a 14-day schedule.
Take-All Patch (<i>Gaeumannomyces graminis</i>)	2-4 (0.02-0.04)	88-176 (0.89-1.79)	Spring and Fall	Apply BUMPER 14.3 EC to reduce the severity of take-all patch. Make 1 to 2 fall applications in September and October or when night temperatures drop to 55°F, and 1 to 2 spring applications in April and May depending on local specifications.
Spring Dead Spot (<i>Leptosphaeria korrae</i> , <i>Leptosphaeria narmari</i> , <i>Ophiosphaerella herpotricha</i> , <i>Gaeumannomyces graminis</i>)	4 (0.04)	176 (1.79)	30 days	Make 1 to 3 applications. For one application, apply in September or October. For multiple applications, begin sprays in August.
Necrotic Ring Spot (<i>Leptosphaeria korrae</i>)	4 (0.04)	176 (1.79)	Fall or Spring	Apply in the fall and/or the early spring depending on local specifications.
Gray Snowmold (<i>Typhula</i> spp.) Pink Snowmold (<i>Microdochium nivale</i>)	2-4 (0.02-0.04)	88-176 (0.89-1.79)	Late Fall	Apply one application in the late fall before snow cover. DO NOT apply on top of snow. If using rates of 2 and 3 fl. oz., tank mix BUMPER 14.3 EC with either PCNB or chlorothalonil at label rates to provide optimum disease control.
Fusarium Patch (<i>Fusarium nivale</i>)	2-4 (0.02-0.04)	88-176 (0.89-1.79)	Fall-Early Spring	Apply when conditions are favorable for disease development.

Yellow Patch (<i>Rhizoctonia cerealis</i>)	3-4 (0.03-0.04)	130-176 (1.32-1.79)	Late Fall	Apply one application in the late fall before snow cover. DO NOT apply on top of snow. If using a 3 fl. oz. per 1000 sq. ft. rate, tank mix with a registered contact fungicide at the label rate.
Zoysia Patch, large patch of zoysia (<i>Rhizoctonia solani</i>)	3-4 (0.03-0.04)	130-176 (1.32-1.79)	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.

DICHONDRA—SPECIFIC DISEASE, RATES, AND APPLICATION TIMING				
Disease	Fl. Oz. Per 1000 Sq. Ft. (lbs. A.I./1000 Sq. Ft.)	Fl. Oz. Per Acre (lbs. A.I./Acre)	Application Interval/Timing	Application Instructions
Dichondra Rust (<i>Puccinia dichondrae</i>)	2 (0.02)	88 (0.89)	14-21 days	Apply when conditions are favorable for disease development.

ESTABLISHMENT OF COOL-SEASON TURFGRASS

BUMPER 14.3 EC 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, BUMPER 14.3 EC will improve the establishment rate when it is applied to cool-season grass seedlings or sod.

New Seedlings: Apply 1 fl. oz. per 1000 sq. ft. (.45 lb. ai/A) at the 2- to 3-leaf stage of growth for faster root development and top growth.

Sod: Apply 1 fl. oz. per 1000 sq. ft. (.45 lb. ai/A) 2 to 6 weeks before cutting for increased sod knitting and faster establishment after laying.

RESTRICTIONS:

- Maximum Single Application Rate: .45 lb. ai/A (.35 gal./A of Bumper 14.3 EC or 1 fl. oz./1,000 sq. ft)
- Maximum Annual Rate: 7.2 lbs. ai/A/year (5.4 gal./A of Bumper 14.3 EC) or 16 fl. oz./1,000 sq. ft).
- Maximum Number of Applications per Year: 15 at the highest rate of .45 lb. ai/A (.35 gal./A of Bumper 14.3 EC or 1 fl. oz./1,000 sq. ft)
- Minimum Retreatment Interval: 14 days.

DISEASE CONTROL IN NURSERIES (FIELD) AND LANDSCAPE PLANTINGS

1. Use BUMPER 14.3 EC in a preventive 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 parentheses following the plant species refers you to the disease(s) controlled in **Table 2**. Find the disease in **Table 2**. The letter in brackets 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 BUMPER 14.3 EC is obtained when used in conjunction with sound disease management practices.

Application Instructions and Use Rates

Use BUMPER 14.3 EC at rates of 2-24 fl. oz. (0.02-0.24 lbs A.I.) per 100 gals. of water for control of diseases of ornamental plant species (see **Tables 1, 2, and 3**.)

For outdoor uses, you can apply up to 5.4 gals. (7.03 lbs A.I.) of BUMPER 14.3 EC per acre per crop per calendar year.

For disease control in landscapes, apply 6-8 fl. oz. (0.06-0.08 lbs A.I.) per 100 gals. of water every 21 days. For best control, begin BUMPER 14.3 EC applications before disease development.

RESTRICTIONS:

- Maximum Single Application Rate: 1.79 lb. ai/A (1.4 gal./A of BUMPER 14.3 EC or 4 fl. oz./1,000 sq. ft)
- Maximum Annual Rate: 7.2 lbs. ai/A/year (5.4 gal./A of BUMPER 14.3 EC or 16 fl. oz./1,000 sq. ft./year)

- To avoid possible illegal residues, **DO NOT** apply to apple, Bartlett pear, cherry, citrus, nectarine, peach, pecan, plum, or walnut trees that will bear harvestable fruit within 12 months.
- Maximum Number of Applications per Year: 4 at the highest rate of 1.79 lb. ai/A (1.4 gal./A of BUMPER 14.3 EC or 4 fl. oz/1,000 sq. ft)
- Minimum Retreatment Interval: 21 days.

Note On Plant Tolerance: Plant tolerances to BUMPER 14.3 EC have been found acceptable for the specific genera and species of plants listed under the **DIRECTIONS FOR USE** section of this label. Other plant species could be sensitive to BUMPER 14.3 EC and diseases other than those listed may not be controlled. Before using BUMPER 14.3 EC on ornamental plants, test BUMPER 14.3 EC on a small-scale basis first. **DO NOT apply BUMPER 14.3 EC to African violets, begonias, Boston fern, or geraniums.** Apply the specified rates for a particular type of disease, i.e., rust, powdery mildew, etc., and evaluate for phytotoxicity and disease control prior to widespread use.

Table 1. Ornamentals—Plant Species

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

Herbaceous Ornamentals	Woody Ornamentals	Nonbearing Fruits and Nuts (Nurseries and Landscape Plantings)
Ajuga (6)	Amelanchier (4d)	Apple (3q, 4d, 5a)
Calendula (4a)	Ash (4c)	Bartlett Pear (3q, 4c, 5a)
Carnation (5f)	Azalea (2c, 4b)	Cherry (2b, 3d)
Chrysanthemum (2a)	Bayberry (3n)	Citrus (3m)
Delphinium (4a)	Camelia (3e)	Nectarine (2b)
English Ivy (3e)	Candytuft (6)	Peach (2b)
German statice (6)	Cotoneaster (3i)	Pecan (3b, 3c, 3f, 3l, 3n, 4e)
Gomphrena (3a)	Crabapple (3c, 3q, 4c, 5a)	Plum (2b)
Hollyhock (6)	Crape Myrtle (4a)	Walnut (3j)
Impatiens (3a, 3b, 4a)	Dogwood (3h, 4c)	
Iris (5d)	Douglas Fir (5b)	
Liriope (6)	Elm (4c)	
Marigold (3a)	Euonymus (3e, 4c)	
Monarda (4c)	Hawthorn (5a)	
Peony (6)	Holly (3r)	
Phlox (4c)	Juniper (1a)	
Snapdragon (5d)	Lilac (4c)	
Sweet William (<i>Dianthus barbatus</i>) (3k)	Linden (3e, 3b, 4b)	
Vinca (6)	Magnolia (3e, 4b)	
Zinnia (4c)	Maple (3e, 4f)	
	Oaks (3p)	
	Pines (1b, 1c)	
	Poplars (5b)	
	Privet (6)	
	Pyracantha (3o)	
	Redbud (6)	
	Red Tip Photinia (3i)	
	Rhaphiolepis (3e, 3i)	
	Rhododendron (2c, 3n)	
	Roses (3g, 4e, 5c) (Outdoor Use Only)	
	Shasta Fir (5e)	
	Sweet Gum (3b, 3c, 3n)	
	Sycamore (3e)	
	Tulip tree (3e, 4a)	
	Wax myrtle (3n)	

Table 2 Diseases

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

<p>1. Conifer Blights</p> <ul style="list-style-type: none">a. <i>Phomopsis juniperovora</i> (Phomopsis Blight) [B]b. <i>Sirococcus strobolinus</i> (Tip Blight) [D]c. <i>Sphaeropsis sapinea</i> (Diplodia Tip Blight) [B]	<p>4. Powdery Mildew</p> <ul style="list-style-type: none">a. <i>Erysiphe</i> spp. [B]b. <i>Microsphaera</i> spp. [C]c. <i>Oidium</i> spp. [B]d. <i>Podosphaera</i> spp. [B]e. <i>Sphaerotheca pannosa</i> [B]f. <i>Phyllactinia</i> spp. [B]*
<p>2. Flower Blight</p> <ul style="list-style-type: none">a. <i>Ascochyta chrysanthemi</i> (Ray Blight) [C]b. <i>Monilinia</i> spp. [A]c. <i>Ovulinia</i> spp. [B]	<p>5. Rust</p> <ul style="list-style-type: none">a. <i>Gymnosporangium juniperi-virginianae</i> [A]b. <i>Melampsora occidentalis</i> [D]c. <i>Phragmidium</i> spp. [B]d. <i>Puccinia</i> spp. [B]e. <i>Pucciniastrum goeppertianum</i> [D]f. <i>Uromyces dianthi</i> [B]

<p>3. Leaf Blights/Spots</p> <ul style="list-style-type: none"> a. <i>Alternaria</i> spp. [B] b. <i>Cercospora</i> spp. (Brown Leaf Spot) [C] c. <i>Cladosporium</i> spp. (Scab) [C] d. <i>Coccomyces hiemalis</i> [A] e. <i>Colletotrichum</i> spp. [B] f. <i>Cristulariella</i> spp. (Zonate Leafspot) [C] g. <i>Diplocarpon rosae</i> (Blackspot) [B] h. <i>Discula</i> spp. (Anthracnose) [A] i. <i>Fabraea maculata</i> (syn. <i>Entomosporium maculata</i>) [B] j. <i>Gnomonia leptostyla</i> (Anthracnose) [C] k. <i>Heterosporium echinulatum</i> [B] l. <i>Mycosphaerella caryigena</i> (Downy Spot) [C] m. <i>Mycosphaerella fructicola</i> (Greasy Spot) [E] n. <i>Septoria</i> spp. (Leaf Scorch) [C] o. <i>Spilocaea pyracanthae</i> [B] p. <i>Tubakia dryina</i> [D] q. <i>Venturia inaequalis</i> (Scab) [A] r. Rhizoctonia Web Blight [B]* 	<p>6. Rust, Powdery Mildew, etc. [F]*</p>
<p>*Not registered for use in California.</p>	

Table 3. Application Regimes

<p>[A]</p>	<p>Mix 2-4 fl. oz. (0.02-0.04 lbs A.I.) of BUMPER 14.3 EC 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 BUMPER 14.3 EC when there is 5-10% bloom and again at 70-100% bloom. For dogwoods, apply the 2-4 fl. oz. (0.02-0.04 lbs A.I.) rate every 14 days or apply 8 fl. oz. (0.08 lbs A.I.) of BUMPER 14.3 EC every 28 days.</p>
<p>[B]</p>	<p>Mix 5-8 fl. oz. (0.05-0.08 lbs A.I.) of BUMPER 14.3 EC 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 black spot. 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.</p>
<p>[C]</p>	<p>Mix 8-12 fl. oz. (0.08-0.12 lbs A.I.) of BUMPER 14.3 EC 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 12 fl. oz. (0.12 lbs A.I.) rate beginning at bud break. Apply 3 times at 14-day intervals. For walnut, apply 8.5 fl. oz. (0.9 lbs A.I.) at 14- to 21-day intervals. For ray blight, apply 12 fl. oz. (0.12 lbs A.I.) at 7-day intervals or 20 fl. oz. (0.2 lbs A.I.) at 14-day intervals. For impatiens, bayberry, linden, magnolia, sweet gum, and wax myrtle, the maximum use rate is 8 fl. oz. (0.08 lbs A.I.) per 100 gals. of water.</p>
<p>[D]</p>	<p>Mix 16 fl. oz. (0.16 lbs A.I.) of BUMPER 14.3 EC in 100 gals. of water and apply as a full coverage spray to the point of drip. Apply every 14 to 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 to late winter and apply 3 times at 2-month intervals.</p>
<p>[E]</p>	<p>Mix 20-24 fl. oz. (0.2-0.24 lbs A.I.) of BUMPER 14.3 EC in 100 gals. of water and apply as a full coverage spray to the point of drip. Apply during June to August time period.</p>

[F]	Apply 6-8 fl. oz. (0.06-0.08 lbs A.I.) per 100 gals. Crop tolerance has been demonstrated on these ornamental plants at this rate; however, you must follow the Note On Plant Tolerance section of the label above for phytotoxicity and disease control precautions.
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RESTRICTION: To avoid possible illegal residues, **DO NOT** apply to apple, Bartlett pear, cherry, citrus, nectarine, peach, pecan, plum, or walnut trees that will bear harvestable fruit within 12 months. **A FLARE ROOT-INJECTED**

**SYSTEMIC FUNGICIDE
FOR CONTROL OF SELECTED DISEASES IN TREES
NOT REGISTERED FOR THIS USE IN CALIFORNIA AND NEW YORK.**

Product Information

BUMPER 14.3 EC is a systemic fungicide for use as a flare root injection for prevention and treatment of (1) oak wilt (*Ceratocystis fagacearum*) of oaks (*Quercus* spp.); (2) Dutch elm disease (*Ophiostroma ulmi*) of elms (*Ulmus* spp.); (3) sycamore anthracnose (*Apiognomonia veneta*); (4) leaf diseases (i.e., *Venturia inaequalis*, *Gymnosporangium juniperi-virginianae*, *Pucciniastrum goeppertianum*, etc.) of crabapple (*Malus* spp.); and (5) laurel wilt, redbay, and other lauraceae species (excluding avocado). It is advised that BUMPER 14.3 EC be administered by trained arborists or others trained in injection techniques and in the identification of tree diseases.

RESTRICTIONS:

- **DO NOT** exceed 0.0069 lbs. ai/DBH.
- **DO NOT** exceed one application per crop cycle/year.

Note: The active ingredient in BUMPER 14.3 EC has been shown to be safe on a wide range of plant species. Before using BUMPER 14.3 EC on ornamental plants, test BUMPER 14.3 EC on a small-scale basis and evaluate for phytotoxicity and disease control prior to widespread use.

Correct Location for Injector Placement

The flare root area is the transitional zone between the trunk and the root system. Uptake and distribution of BUMPER 14.3 EC is more effective when injections are made into the flare roots. In addition, wounds created in the flare root area close more rapidly in comparison to wounds above the flare root area.

Tree Preparation

1. Carefully shave heavy, thick, or loose outer bark to form a smoother injection point and to ensure the operator that the drill hole penetrates through the bark to the xylem.
2. If the flare roots are not clearly exposed, carefully remove 2 to 4 inches of soil from the base of the tree to uncover the top of the flare roots. Brush away loose soil.
3. Drill holes through the bark, into sapwood, using a clean sharp drill bit. Allow adequate drill hole diameter for insertion of injection tees and formation of air tight contact between active xylem and the delivery point of the injection tees. A drill hole diameter of 7/32–5/16 inch for elms, sycamores, and crabapples and 5/16 inch for oaks is appropriate. Follow manufacturer’s instructions for the particular injection device used in the treatment. Drill hole depth adequately to deliver the product into active xylem tissue. 3/4 inch depth is appropriate, but trees with thick bark could require increased drill hole depth to reach the active xylem layer. Space injectors 3 to 6 inches apart around the base of the tree. **DO NOT** drill in the valleys between the flare roots or into cankered areas. Drill above these areas into the trunk; then continue again into sound sapwood on the flares.
4. Disinfect the drill bit between trees with household bleach (20% solution), ethanol, or other disinfectant. Rinse bit with clean water after disinfecting.
5. Insert into the drilled holes the injection ports (“tees”) which are connected to plastic tubing. The tubing must have inlet and outlet valves.
6. Mix the specified amount of BUMPER 14.3 EC and water thoroughly in the tank before beginning the injection treatment.

Tree measurement

Measure the diameter of the tree using a tree diameter-tape (D-tape) at 4½ feet above the ground. This is the diameter at breast height (DBH). If only a regular tape is available, measure the tree circumference and divide that number by 3.14. For crabapples, measure the diameter at the point where the tree begins to branch.

Preparation of Injection Solution

Dilute 10 ml of BUMPER 14.3 EC in up to 1 liter of water per inch DBH. Refer to the following table as an example of the amounts of BUMPER 14.3 EC and water to use:

DBH inches	Treatment Level (ml)	Water Volume (liters)
5	50	5
10	100	10
15	150	15
20	200	20
25	250	25
30	300	30
35	350	35
40	400	40

Injection

For pressurized injections, with the outlet valve open, connect the tank to the inlet valve and begin pumping solution until all air bubbles come out of the outlet valve. Direct the solution into a container and return the solution to the tank. Shut off the outlet valve. Pressurize tank to 20 to 30 psi. Check for leaks and gently tap in tees if necessary. Maintain continuous pressure on the injection system until the full amount of solution is in the tree.

After injection is complete, remove injection tees and leave drill holes unplugged. A water flush to cleanse the hole will assist with wound closure. Replace soil around the tree. It is not necessary to treat the drill holes with wound paint or other sealing compounds.

Contact your local extension agent for more details on tree injection. The injection system described is meant as an example; please refer to manufacturer's instructions when using other types of tree injection systems.

Re-treatment

At the initial injection of BUMPER 14.3 EC, take notes on the level of disease in each tree. Reevaluate disease level in trees at 12-month intervals after treatment for the potential need for re-treatment with BUMPER 14.3 EC. Consider preventive applications 12 to 36 months after the initial injection. Evaluate trees in high disease risk areas or high value trees for possible re-treatment 12 months after each treatment. Follow application procedures described above for repeat injections; new drill holes will be needed for subsequent treatments.

OAK WILT: OAKS

Preventive and Therapeutic Treatment

Use 10 ml (0.003 lbs A.I.) of BUMPER 14.3 EC in up to 1 liter of water per inch DBH. For very high disease pressure, use 20 ml (0.006 lbs A.I.) of BUMPER 14.3 EC per inch DBH.

In the upper Midwest, treat oaks after June 15. Wounds in oaks in the upper Midwest between May 15 and June 15 attract insects that transmit the oak wilt pathogen.

Oak trees exhibiting less than 20% crown loss from oak wilt have the best chance of responding to treatment by BUMPER 14.3 EC. Preventive application is more effective than therapeutic treatment. Trees in advanced stages of disease development may not respond to treatment.

Uninfected trees will absorb the full amount of BUMPER 14.3 EC water solution within 2 hours when injected under pressure. Consider trees exhibiting specific symptoms or those symptomless trees immediately adjacent to a diseased tree infected. Symptomless trees separated by a primary plow line from diseased trees may be at less risk of infection. Infected trees will absorb the material more slowly due to the vascular plugging caused by the disease. If the BUMPER 14.3 EC water solution is not absorbed within 24 hours, the tree is considered high risk and has a poor chance of survival.

See the **PRODUCT INFORMATION** section for details on re-treatment.

ANTHRACNOSE: SYCAMORE

Preventive Treatment

Use 10 ml (0.003 lbs A.I.) of BUMPER 14.3 EC in up to 1 liter of water per inch DBH. For trees less than 10 inches DBH, use 6 ml (0.002 lbs A.I.) of BUMPER 14.3 EC per inch DBH. Make applications when the trees are in full leaf and actively growing for control of the next season's anthracnose development.

See the **Product Information** section of this label for details on re-treatment.

LEAF DISEASES; CRABAPPLES

Preventive Treatment

Use 10 ml (0.003 lbs A.I.) of BUMPER 14.3 EC in up to 1 liter of water per inch trunk diameter. For trees less than 10 inches in trunk diameter, use 6 ml (0.002 lbs A.I.) per inch trunk diameter. Make applications when the trees are in full leaf and actively growing for control of the next season's leaf disease development. Disease symptoms may not be reduced the year of application.

See the **Product Information** section of this label for details on re-treatment.

Note: **DO NOT** use fruit from treated trees for feed or food purposes.

DUTCH ELM DISEASE IN ELMS

Preventive and Therapeutic Treatment

Use 6-10 ml (0.002-0.003 lbs A.I.) of BUMPER 14.3 EC in up to 1 liter of water per inch DBH. For very high disease pressure, use 20 ml (0.006 lbs A.I.) of BUMPER 14.3 EC per inch DBH.

Notes: (1) Accurate diagnosis of Dutch elm disease is important since BUMPER 14.3 EC only provides control of Dutch elm disease in elms. (2) BUMPER 14.3 EC will be most effective when used in conjunction with other cultural practices for management of Dutch elm disease (removal of dead elm trees, pruning of diseased tree limbs and branches, control of bark beetles, etc.) (3) Preventive applications can be made at 6 to 10 ml/inch DBH. The 6 ml (0.002 lbs A.I.) rate provides 24 months control and the 10 ml (0.003 lbs A.I.) rate provides 36 months control. (4) Make therapeutic treatment in trees showing disease symptoms at 10-20 ml (0.003-0.006 lbs A.I.)/inch DBH. Re-treatment may be needed every 12 to 36 months. Trees in advanced stages of disease development may not respond to treatment. For further information on the proper diagnosis and control of Dutch elm disease, consult your local extension agent.

See the **Product Information** section of this label for details on re-treatment.

LAUREL WILT: RED BAY AND OTHER LAURACEAE SPECIES (EXCLUDING AVOCADO)

DO NOT apply BUMPER 14.3 EC to any plant in the Lauraceae family that produces fruit or other plant parts that may be used for human or animal consumption.

DO NOT apply BUMPER 14.3 EC to bearing or nonbearing avocados.

Preventive Treatment

Use 20 ml of BUMPER 14.3 EC in up to 0.3 liter of water per inch DBH. Make applications to healthy trees when the trees are in full leaf and actively growing and prior to disease symptoms. BUMPER 14.3 EC will be most effective when used in conjunction with control of ambrosia beetle, the laurel wilt insect vector.

See the **Product Information** section of this label for details on re-treatment.

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage and disposal.

STORAGE: Store in a cool, dry area out of reach of children.

PESTICIDE 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 HANDLING:

Nonrefillable Container (five gallons or less): Nonrefillable container. **DO NOT** reuse or refill this container. Clean container promptly after emptying. 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 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 two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by puncture and dispose of in a sanitary landfill, or by incineration.

Nonrefillable Container (greater than five gallons): Nonrefillable container. **DO NOT** reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 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 or store rinsate for later

use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by puncture and dispose of in a sanitary landfill, or by incineration.

Refillable Container: Refillable container. Refill this container with propiconazole only. **DO NOT** reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

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. For final disposal, offer for recycling or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

LIMITATION OF WARRANTY AND LIABILITY

Read the entire direction for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following **CONDITIONS, DISCLAIMER OF WARRANTIES, and LIMITATIONS OF LIABILITY.**

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risk associated with the 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 Control Solutions, Inc. All such risks shall be assumed by the user or buyer.

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LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Control Solutions, Inc election, the replacement of product.

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