

# HONOR GUARD PPZ

## TURF & ORNAMENTAL FUNGICIDE

BROAD SPECTRUM AND SYSTEMIC DISEASE CONTROL FOR TURF AND ORNAMENTALS.

| ACTIVE INGREDIENT:                                                                                            | % BY WT.      |
|---------------------------------------------------------------------------------------------------------------|---------------|
| Propiconazole: 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]Methyl]-1 <i>H</i> -1,2,4-triazole ..... | 14.3%         |
| INERT INGREDIENTS:.....                                                                                       | 85.7%         |
| <b>TOTAL</b>                                                                                                  | <b>100.0%</b> |

Honor Guard PPZ contains 1.3 lbs. of active ingredient per gallon.

### 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.)

#### FIRST AID

- |                                |                                                                                                                                                                                                                                                                                                                     |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>IF IN EYES:</b>             | <ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>              |
| <b>IF ON SKIN OR CLOTHING:</b> | <ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>                                                                                |
| <b>IF SWALLOWED:</b>           | <ul style="list-style-type: none"><li>• Immediately call a poison control center or doctor.</li><li>• Do not give any liquid to the person.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul> |
| <b>IF INHALED:</b>             | <ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>                 |

**Have the product container or label with you when calling a poison control center or doctor or going for treatment.**

**NOTE TO PHYSICIAN:** There is no specific antidote for this product. Induce emesis or lavage stomach, taking care to avoid aspiration of stomach contents into lungs. Give a saline laxative and supportive therapy. Contains petroleum distillate - vomiting may cause aspiration pneumonia.

#### PRECAUTIONARY STATEMENTS

##### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### WARNING-AVISO

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

#### 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 water.

#### PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

**NET WEIGHT: \_\_\_\_ GALLON(S)**

EPA Reg. No. 66222-41-53883  
EPA Est. No. 53883-TX-002

Manufactured for: Control Solutions, Inc.  
5903 Genoa-Red Bluff  
Pasadena, TX 77507-1041

### 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 **C** on an EPA chemical-resistance category selection chart.

#### Applicators and other handlers must wear:

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

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 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

#### User 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.

### 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.**

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, such as plants, soil, or water is:

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

### 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

Honor Guard PPZ 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*).

Honor Guard PPZ 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.

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

## MIXING INSTRUCTIONS

Fill the spray tank  $\frac{1}{2}$  to  $\frac{3}{4}$  full with water. Add the proper amount of Honor Guard PPZ and then add the rest of the water. Provide sufficient agitation during mixing and application to maintain a uniform emulsion.

If Honor Guard PPZ 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 Honor Guard PPZ, 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  $\frac{1}{2}$  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 Honor Guard PPZ 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, Honor Guard PPZ can be tank mixed with other fungicides. For example, Subdue may be tank mixed with Honor Guard PPZ or used alone when conditions are favorable for Pythium blight. Honor Guard PPZ 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.

## TURFGRASS AND DICHONDRA DISEASE CONTROL

1. USE HONOR GUARD PPZ 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, Honor Guard PPZ 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 Honor Guard PPZ 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.
10. Do not apply more than 16 fl. oz. per 1,000 ft.<sup>2</sup>/calendar year nor apply more than 5.4 gals. of product per acre per calendar year.
11. Do not graze animals on treated areas. Do not feed clippings from treated areas to livestock or poultry.

12. Bermudagrass can be sensitive to Honor Guard PPZ. Do not exceed 4 fl. oz. per 1,000 sq. ft. every 30 days on any variety of bermudagrass. In Florida, do not apply Honor Guard PPZ to bermudagrass golf course greens when temperatures exceed 90°F.

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

| <b>Disease</b>                                                                                                    | <b>Fl. Oz.<br/>Per 1,000<br/>Sq. Ft.</b> | <b>Fl. Oz.<br/>Per Acre</b> | <b>Application<br/>Interval/<br/>Timing</b> | <b>Instructions</b>                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dollar Spot</b><br>( <i>Sclerotinia homoeocarpa</i> )                                                          | 0.5                                      | 22                          | 7 days                                      | Apply when conditions are favorable for disease development.                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                   | 0.5                                      | 22                          | 14 days                                     | Tank mix with low label rate of one of the following fungicides:<br>Daconil 2787 F<br>Daconil Ultrex                                                                                                                                                                                                                                                                                           |
|                                                                                                                   | 1                                        | 44                          | 21-28 days                                  | Tank mix with low label rate of one of the following fungicides:<br>Daconil 2787 F<br>Daconil Ultrex<br>Chipco 26019                                                                                                                                                                                                                                                                           |
|                                                                                                                   | 1-2                                      | 44-88                       | 14-28 days                                  | If using the 1-2 fl. oz. per 1,000 sq. ft. rate without tank mixing, make no more than 3 consecutive applications for dollar spot control before rotating to an alternate EPA-registered fungicide having a different mode of action.                                                                                                                                                          |
| <b>Anthracnose</b><br>( <i>Colletotrichum graminicola</i> )                                                       | 1-2                                      | 44-88                       | 14-28 days                                  | Apply when conditions are favorable for disease development. When disease pressure is high, use higher rates of Honor Guard PPZ and shorter intervals. For broad spectrum control, tank mix with a registered contact fungicide at the label rate.<br>If disease is present, mix 2 fl. oz. of Honor Guard PPZ per 1,000 sq. ft. with the label rate of the above mentioned contact fungicides. |
| <b>Brown Patch</b><br>( <i>Rhizoctonia solani</i> )                                                               | 1-2                                      | 44-88                       | 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.<br>Under conditions of high temperatures and high humidity, use the higher rates of Honor Guard PPZ and shorter intervals.                                                                                                        |
| <b>Powdery Mildew</b><br>( <i>Erysiphe graminis</i> ),<br><b>Rust</b><br>( <i>Puccinia graminis</i> )             | 1-2                                      | 44-88                       | 14-28 days                                  | Apply when conditions are favorable for disease development. If disease is present, use 2 fl. oz. of Honor Guard PPZ per 1,000 sq. ft.                                                                                                                                                                                                                                                         |
| <b>Red Thread</b><br>( <i>Laetisaria fuciformis</i> ),<br><b>Pink Patch</b><br>( <i>Limonomyces roseipellis</i> ) | 2                                        | 88                          | 14-21 days                                  | Apply when conditions are favorable for disease development.                                                                                                                                                                                                                                                                                                                                   |
| <b>Stripe Smut</b><br>( <i>Ustilago striiformis</i> )<br>( <i>Urocystis agropyri</i> )                            | 1-2                                      | 44-88                       | Fall or Spring                              | Apply once in the fall after grass becomes dormant or in the early spring before grass starts to grow.                                                                                                                                                                                                                                                                                         |
| <b>Gray Leafspot</b><br>( <i>Pyricylaria grisea</i> )                                                             | 1-2                                      | 44-88                       | 14 days                                     | Apply when conditions are favorable for disease development. If using the 1 fl. oz. per 1,000 sq. ft. rate, tank mix with a registered contact fungicide at the label rate.                                                                                                                                                                                                                    |

**Turfgrass—Specific Diseases, Rates, and Application Timing (Cont'd)**

|                                                                                                                                                                       |        |           |                    |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Melting out, Leaf Spot</b> ( <i>Bipolaris</i> spp.)<br>( <i>Drechslera</i> spp.)                                                                                   | 1-2    | 44-176    | 14 days            | Under light to moderate pressure, apply Honor Guard PPZ 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. Honor Guard PPZ rate with a registered contact fungicide at the label rate<br>Tank mix the 1-2 fl. oz. per 1,000 sq. ft. Honor Guard PPZ rate with a registered contact fungicide at the label rate. |
| <b>Summer Patch, Poa Patch</b> ( <i>Magnaporthe poae</i> )                                                                                                            | 2<br>4 | 88<br>176 | 14 days<br>28 days | Apply Honor Guard PPZ beginning in April. Use the 4 fl. oz. per 1,000 sq. ft. rate on a 28-day schedule and the 2 fl. oz. per 1,000 sq. ft. rate on a 14-day schedule.                                                                                                                                                                                                                                                 |
| <b>Take-All Patch</b> ( <i>Gaeumannomyces graminis</i> )                                                                                                              | 2-4    | 88-176    | Spring and Fall    | Apply Honor Guard PPZ 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 recommendations.                                                                                                                                                                   |
| <b>Spring Dead Spot</b> ( <i>Leptosphaeria korrae</i> ,<br><i>Leptosphaeria narmari</i> ,<br><i>Ophiosphaerella herpotricha</i> ,<br><i>Gaeumannomyces graminis</i> ) | 4      | 176       | 30 days            | Make 1 to 3 applications For one application, apply in September or October. For multiple applications, begin sprays in August.                                                                                                                                                                                                                                                                                        |
| <b>Necrotic Ring Spot</b> ( <i>Leptosphaeria korrae</i> )                                                                                                             | 4      | 176       | Fall or Spring     | Apply in the fall and/or the early spring depending on local recommendations.                                                                                                                                                                                                                                                                                                                                          |
| <b>Snowmold Gray</b> ( <i>Typhula</i> spp.)<br><b>Pink</b> ( <i>Microdochium nivale</i> )                                                                             | 2-4    | 88-176    | Late Fall          | Apply one application in the late fall before snow cover. Do not apply on top of snow. For optimum disease control, the 2 and 3 fl. oz. Honor Guard PPZ rates should be tank mixed with either PCNB or chlorothalonil at label rates.                                                                                                                                                                                  |
| <b>Fusarium Patch</b> ( <i>Fusarium nivale</i> )                                                                                                                      | 2-4    | 88-176    | Fall-Early Spring  | Apply when conditions are favorable for disease development.                                                                                                                                                                                                                                                                                                                                                           |
| <b>Yellow Patch</b> ( <i>Rhizoctonia cerealis</i> )                                                                                                                   | 3-4    | 130-176   | 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 1,000 sq. ft. rate, tank mix with a registered contact fungicide at the label rate.                                                                                                                                                                                                                    |
| <b>Zoysia Patch</b> , large patch of zoysia ( <i>Rhizoctonia solani</i> )                                                                                             | 3-4    | 130-176   | 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.                                                                                                                                                                                                   |
| <b>Dichondra—Specific Disease, Rates, and Application Timing</b>                                                                                                      |        |           |                    |                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Dichondra Rust</b> ( <i>Puccinia dichondrae</i> )                                                                                                                  | 2      | 88        | 14-21 days         | Apply when conditions are favorable for disease development.                                                                                                                                                                                                                                                                                                                                                           |

### Establishment of Cool Season Turfgrass

Honor Guard PPZ 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, Honor Guard PPZ will improve the rate of establishment when it is applied to cool season grass seedlings or sod.

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

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

### DISEASE CONTROL IN NURSERIES (FIELD) AND LANDSCAPE PLANTINGS

1. USE HONOR GUARD PPZ 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 Honor Guard PPZ is obtained when used in conjunction with sound disease management practices.

### General Recommendations

Honor Guard PPZ may be used at rates of 2-24 fl. oz. per 100 gals. of water for control of diseases of ornamental plant species (see Tables 1, 2, and 3.)

**Note:** For outdoor uses, you can apply up to 5.4 gals. of Honor Guard PPZ per acre per crop per calendar year. For general disease control in landscapes, apply 6-8 fl. oz. per 100 gals. of water every 21 days. For best control, begin Honor Guard PPZ applications before disease development.

**Note:** Plant tolerances to Honor Guard PPZ have been found acceptable for the specific genera and species of plants listed under the DIRECTIONS FOR USE. In addition, crop tolerance to Honor Guard PPZ has been demonstrated (at a rate of 6-8 fl. oz. per 100 gals.) on the following ornamental plants: ajuga, Bartlett pear, bayberry, camelia, candy tuft, cotoneaster, elm, English ivy, euonymus, German statice, holly, hollyhock, impatiens, linden, liriope, magnolia, maples, peony, privet, raphiolepis, redbud, sweetgum, sycamore, tulip tree, vinca, and wax myrtle. Other plant species may be sensitive to Honor Guard PPZ and diseases other than those listed may not be controlled. Before using Honor Guard PPZ on plants or for diseases that are not listed in the DIRECTIONS FOR USE, test Honor Guard PPZ on a small-scale basis first. Do not apply Honor Guard PPZ 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.

### Table 1. Ornamentals—Plant Species

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

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

**Table 2. Diseases**

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

1. Conifer Blights
  - a. *Phomopsis juniperovora* ( Phomopsis Blight) [B]
  - b. *Sirococcus strobolinus* (Tip Blight) [D]
  - c. *Sphaeropsis sapinea* (Diplodia Tip Blight) [B]
2. Flower Blight
  - a. *Ascochyta chrysanthemi* ( Ray Blight) [C]
  - b. *Monilinia* spp. [A]
  - c. *Ovulinia* spp. [B]
3. Leaf Blights/Spots
  - a. *Alternaria* spp. [B]
  - b. *Cercospora* spp. (Brown Leaf Spot) [C]
  - c. *Cladosporium* spp.(Scab) [C]
  - d. *Coccomyces hiemalis* [A]
  - e. *Colletotrichum* spp. [B]
  - f. *Cristulariella* spp. (Zonate leafspot) [C]
  - g. *Diplocarpon rosae* (Blackspot) [B]
  - h. *Discula* spp. (Anthracnose) [A]
  - i. *Fabraea maculata* (syn. *Entomosporium maculata*) [B]
  - j. *Gnomonia leptostyla* (Anthracnose) [C]
  - k. *Heterosporium echinulatum* [B]
  - l. *Mycosphaerella caryigena* (Downy Spot) [C]
  - m. *Mycosphaerella fruticola* (Greasy Spot) [E]
  - n. *Septoria* spp. (Leaf Scorch) [C]
  - o. *Spilocaea pyracanthae* [B]
  - p. *Tubakia dryina* [D]
  - q. *Venturia inaequalis* (Scab) [A]
4. Powdery Mildew
  - a. *Erysiphe* spp. [B]
  - b. *Microsphaera* spp. [C]
  - c. *Oidium* spp. [B]
  - d. *Podosphaera* spp. [B]
  - e. *Sphaerotheca pannosa* [B]
5. Rust
  - a. *Gymnosporangium juniperi-virginianae* [A]
  - b. *Melampsora occidentalis* [D]
  - c. *Phragmidium* spp. [B]
  - d. *Puccinia* spp. [B]
  - e. *Pucciniastrum goeppertianum* [D]
  - f. *Uromyces dianthi* {B}

**Table 3. Application Regimes**

- [A] Mix 2-4 fl. oz. of Honor Guard PPZ 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 Honor Guard PPZ when there is 5-10% bloom and again at 70-100% bloom. For dogwoods, apply the 2-4 fl. oz. rate every 14 days, or apply 8 fl. oz. of Honor Guard PPZ every 28 days.
- [B] Mix 5-8 fl. oz. of Honor Guard PPZ 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.
- [C] Mix 8-12 fl. oz. of Honor Guard PPZ 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. rate beginning at bud break. Apply 3 times on 14-day intervals. For walnut, apply 8.5 fl. oz. at 14- to 21-day intervals. For ray blight, apply 12 fl. oz. at 7-day intervals or 20 fl. oz. at 14-day intervals.

- [D] Mix 16 fl. oz. of Honor Guard PPZ in 100 gals. of water and apply as a full coverage spray to the point of drip. Apply every 14-28 days, beginning when conditions are favorable for disease development. For Douglas fir needle rust, apply once in May. For tip blight, initiate applications in mid-late winter, and apply 3 times at 2-month intervals.
- [E] Mix 20-24 fl. oz. of Honor Guard PPZ in 100 gals. of water and apply as a full coverage spray to the point of drip. Apply during June to August time period.

Do not apply to apple, cherry, citrus, nectarine, peach, pecan, plum, or walnut trees that will bear harvestable fruit within 12 months.

#### **STORAGE AND DISPOSAL**

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

**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 STORAGE:** Do not reuse empty container. Triple rinse container (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 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 INFOTRAC at 1-800-535-5053 day or night.

#### **WARRANTY STATEMENT**

CONTROL SOLUTIONS, INC. warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. 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 CONTROL SOLUTIONS, INC. In no case shall CONTROL SOLUTIONS, INC. be liable for consequential, special, or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. In addition to the foregoing, no purchaser of this product (other than an end user) shall be entitled to any reimbursement for any loss suffered as a result of any suspension or cancellation of the registration for this product by the U.S. Environmental Protection Agency. Except as expressly provided herein, CONTROL SOLUTIONS, INC. makes no warranties, guarantees, or representations of any kind, either expressed or implied, or by usage of trade, statutory or otherwise, with regard to the product sold, including, but not limited to merchantability, fitness for a particular purpose, use or eligibility of the product for any particular trade usage. The exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall be damages not exceeding the purchase price paid for this product or, at CONTROL SOLUTIONS, INC.'s election, the replacement of this product.