7969-124

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BASF

Best copy available



For use on greenhouse ornamentals

THE FIRST CONTRACTOR OF THE PROPERTY OF THE PR

KEIP OUT OF REACH OF CHILDREN.

CAUTION

Si us ad no entlande la etiqueta, busque a algulan para que se la explique a ustad en detalle, (If yo I do not understand this label, find someone to explain it to you in detail.)

See he attached booklet for complete Precautionary Statements, Directions For Use Statement of Practical Treatment, and Conditions of Sele and Warranty.

Ne: contents: 1 pound (0.454 kilograms)

BASI Corporation P.O. lox 13528, Research Triangle Park, NC 27709 ACCEPTED

9/30/98

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the positide registered under RPA Reg. No. 7969-124

STIUSSUUTUESTR G

Precautionary Statements

Rezards to Humans and Domestic Animals Harmful if: wallowed, inhaled, or absorbed through skin. Caus is eye imitation. Do not get on skin, in eyes, or on clothing. Avoid breathing vapor or spray mist.

Statemen: of Practical Treatment
If on skins Wash with planty of scep and water. Get

medical attantion.

The content at a micri.

If Inhaladi: Remove victim to fresh air, if not breething, give artificit I respiration, preferably mouth-to-mouth.

Get medic: I attention.

If in eyes: Fush with plenty of water, Call a physician if initiation; persists.

If mission; persists.

If swallow ed: Cell a physician or Poison Control Center. Internediately drink 1 or 2 glasses of water and induce von iting by touching back of throat with finger or, if available, by administering syrup of ipsear. Do not induce romiting or give anything by mouth to an unconscious person.

Personal I rotective Equipment (PPE) Applicators and other handlers must weer:

Long-shieved shirt and long pants

Waterprixof gloves Shoes It lus socks

Follow the inanufacturer's instructions for deening and maintaining PPE. If there are no such instructions for washablas, use detergent and hot water. Keep and wash FPE separately from other laundry.

Use r Safety Recommendations

Users should:

Wash hands before eating, drinking, chewing gurn, using tak acco, or using the toilet.

Remove slothing immediately if pesticide gets inside. Then wash thoroughly and put on dean clothing.

Remove PE Immediately after handling this product. Was I the outside of gloves before removing. As soon, is possible, wash thoroughly and change into clear clothing.

Environmental Hazards

Do not apply directly to water, areas where surface water is present, or intertidal areas below the mean high water riark. Do not contaminate water when disposing of equipment wash waters.

Directions For Use

It is a violation of federal law to use this product in a manner ince asistent with its labeling.

Do not apply this product in a way that will contact workers or cither 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 requiation.

Agricultural Use Requirements

Use this product only in accordance with its lebeling and with the Worker Protection Standard, 40 OFR 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 greas during the restricted entry interval (REI) of 12 hours. PPE required for early entry to treated ereas 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: Long-sleeved shirt and long pents

Waterproof gloves

Shoes plus socks

All applicable directions, restrictions, precautions and Conditions of Sale and Warranty are to be followed. This labeling must be in the user's possession during application.

Storage and Disposal

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

Pesticide disposal: Wastes resulting from using this product may be disposed of on site or at an approved waste disposal facility. If these wastes cannot be disposed of according to label instructions, contact your State Pesticide or Environmental Control Agency. or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal

 Plastic Containers: 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. If burned, stay out of smoke.

In Case of Emergency

in case of large-scale spillage regarding this product, cat:

CHEMTREC

800-424-9300 800-832-HELP BASE Corporation In case of medical emergency regarding this product,

CEII: Your local doctor for immediate treatment.

Your local poison control center (hospital). BASE Corporation (800-832-HELP)

Steps to be taken in case material is released or

spilled: Dike and contain the spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal. Remove contaminated clothing, and wash affected skin areas with soap and water. Wash clothing before re-use. Keep the soil out of all sewers and open bodies of water.

I. General Information

This package contains Cygnus* fungicide, a 50% water-dispersible granule (WG) which controls powdery mildew on the following greenhouse-grown omamental plants:

- bedding plants
- cut flowers
- poinsettias

Cygnus is a foliar functional. It has protective, curative, and eradicant activity against powdery mildew of omementals. For best results, however, a protective barrier of Gygnus must be established and maintained on the plant surface. Cygnus should be used in a rotation program with other non-strobilurine fungicides.

Mode of Action

The active ingredient in Cygnus is kresoxim-methyl, which belongs to the strobilurin class of fungicides and is a mitochondrial electron transport inhibitor METI).

Crop Tolerance

The phytotoxic potential of Cygnus has been assessed on a wide variety of common ornamental plants with no phytotoxicity observed. However, all plant species and their varieties and cultivars have not been tested with possible tank mix combinations, sequential posticide treatments, and adjuvants or surfactants. Local conditions can also influence crop toierance and may not match those under which BASF has conducted testing. Therefore, before using Cygnus, test the product on a sample of the crop to be treated to ensure that a phytotoxic response will not occur as a result of applications. Refer to Tolerant Plant Species.

Resistance Management

The repeated and exclusive use of Cygnus, as with many other fungicides, may allow less sensitive strains of target fungi to build over time and may reduce disease control. To maintain the performance of Cygnus in the greenhouse, BASF advises strict achierance to the following resistance management strategies:

Do not make more than a total of 6 applications of

Cygnus per season.

BASE recommends making no more than 3 sequential applications of Cygnus. Then alternate to an effective nonstrobiluin fungicide with a different mode of action for at least 2 applications. Theresiter, Cygnus can be sprayed again for a maximum of 3 additional consecutive times.

Cleaning Spray Equipment
Spraying equipment must be cleaned thoroughly
before and after applying this product, particularly if a product with the potential to injure crops was used prior to Cygnus.

Coverage

Apply at a rate of 100 gallons per acre and spray the foliage to the point of drip. Thorough coverage of the plants is required for optimum disease control.

II. Application Instructions

As a preventative treatment, apply 1.6 ounces of Cygnus in 100 gallons of water when conditions favor disease development or at the first sign of infection. Applications made after infection will require the higher rate of 3.2 ounces and shorter application intervals. Refer to section VII. Crop-Specific Information for more information.

Cygnus is available in the tip 'n' pour container.

Tip the container to fill the measuring compartment with Cygnus.	
Tip the container back to fill the dispensing compertment with Cygnus.	
3) Tap lightly to level out the dispensed product. Check the accuracy of the quantity of Oygrus in the dispensing compartment.	
Remove the cap and dispense the correct amount of Cygnus.	

III. Additives

Additives of: pray adjuvants should not be mixed with Cygnus[®] fur gloide unless specifically recommended by BASF. Ut der hard water conditions, an additive may be required (see section V. General Tank Mixing Into mation).

IV. Mixing Order

- 1) Water: B igin by agitating a thoroughly clean sprayer tank half full of clean water.
- 2) Product: In PVA bags: The water-soluble PVA bag will be solve in water to allow the contents to disperse. Walt until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing. To prapa a spray solution for large volume application, use a mixing tank or mixing vat first to get the product into suspension before transferring suspension to application equipment.
- 3) Water-d spersible products: such as Cygnus
- 4) Water-si luble products:
- 5) Emulsifi ble concentrates
- 6) Water-si luble additives
- 7) Remainin; quantity of water

Maintain con stant agitation during application.

V. General Tank Mixing Information

Cygnus can be tank mixed with most recommended fungicides and insecticides. However, all varieties and cultivars have not been tested with possible tank mix combinations. Local conditions can influence crop tolerance and may not match those under which BASF has conducted testing. Other local conditions such as hard water may adversely affect performance and may require an adjuvant or spreader-sticker. Therefore, before using any tank mix (funipicides, insecticides, adjuvants, or spreaders/stickers), test the combination on a small portion of the crop to be treated to ensure that a phytotoxic response will not occur as a result of applications.

VI. General Restrictions and Limitations - All Crops

- Do not make more than 6 applications of Cygnus* fungicide per season.
- Restricted Entry Interval (REI): 12 hours.
- Do not apply to crops subjected to stress conditions such as drought or widely fluctuating temperatures, as crop injury may result.
- Do not apply to crops that show injury (leaf phytotoxicity or plant stunting) produced by any other prior pesticide applications, because this injury may be enhanced or prolonged.
- Do not apply through any type of irrigation equipment.
- Do not apply this product as a smoke, mist, fog, or aerosol.
- Do not apply Cygnus to crops grown in lathe houses.

VII. C: op-Specific Information

Bedding Plants*

Apply 1.6 curk as of Cygnus" fungicide in 100 gallons of water at 7-10 day intervals as a preventative treatment. Applications made after infection will require the higher rate of 3.2 ounces of Cygnus. Spray to the point of drip for all applications. The following I edding plants have been determined to be telerant to Pygnus applications:

Ageratum
Dehila
Dienthus
Dienthus
Dienthus
Gezanie
Gezanie
Mangold
Parisy
Petunia
Portulace

Sriapdragor . Potomac Rose , Fotomac White Spirea, Mag c Carpet

Spengrii Verbena

Vinca

Zinna

Poinsettias*

Apply 1.8 our ces of Cygnus in 100 gallons of water at 7-10 day in tervals as a preventative treatment. Applications made after infection will require the higher rate of 3.2 or noss of Cygnus. Spray to the point of drip for all applications.

The following poinsertia varieties have been determined to be tolerant to Cygnus applications:

Angelica W vite (V-17) Bonita Gortez Cre ne

Cortez Rec Cortez White Fisher (33(CJ)

Hirt Freedom Martiestar Manet Maven Noblestar

Picacho | Pink Pepp armine Puebla | Sanora dir gle Sonora Pi ik

Sonora Ri d

Except in California.

Cut Flowers*

REGUERTON DE

For cut flowers other than roses, apply 1.8 ounces of Cygnus In 100 gellons of water at 7-10 dey intervels as a preventative treatment. Applications made after infection will require the higher rate of 3.2 ounces of Cygnus. Spray to the point of drip for all applications. The following cut flower varieties have been determined to be tolerant to Cygnus applications:

Alsotmeria, Libelle Gerbera, Pressiey Lilac, Syringa , Hennyi Limonium, Blue Fantesia 100 Llly, Oriental Lily, Stergazer

· 8-29-98 TU: ZJAR ;

Roses

For roses only, apply 1.6 cunces of Cygnus in 100 gallons of water per 10,000 square feet at 7-10 day intervals as a preventative treatment. Applications made after injection will require the higher rate of 3.2 cunces of Cygnus. Spray to the point of drip for all applications.

Trees*

Apply 1.6 ounces of Cygnus in 100 palions of water at 7-10 day intervals as a preventative treatment. Applications made after infection will require the higher rate of 3.2 ounces of Cygnus. Spray to the point of orip for all applications.

The following greenhouse grown tree species have been determined to be tolerant to Gygnus applications:

Oak, Swamp Chestnut

Dogwood, Flowering

, Pink , Red

. White

Crops:
This product can be used on the following greenhouse grown crops:

Bedding Pi: nts
Cut Flowen
Poinsetties
Roses
Trees
Crops cover of in this label are host to the powdery milclew gene a Ensight, Microsphaera, Oidlum, Phylaschia, Crocinula, Phylaschia, Crocinula, Codosphaera, Sphaerotheca, and Uncinula.

Look in ide for complete Restrictions and Limitat ons and Application Instructions.

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Additional Information
For additional information, call BASF's Commiser/Plat 1,800-878-3060

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 use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. All such risks shell be assumed by the Buyer. BASF warrants that this product conforms to the chamical 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. BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL BASF OR THE SELLER BE LIABLE FOR CONSECUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BASF and the Selfer 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 duty authorized representative of BASF.

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