Stellar™ Fungicide

FOR PYTHIUM CONTROL IN TURFGRASS

Active Ingredient

* Fluopicolide ........................................... 5.54%
** Propamocarb Hydrochloride .................. 55.40%
Other Ingredients ...................................... 39.06%
Total .................................................. 100.00%

*2,6-dichloro-N-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]methyl]benzamide
** propyl[3-(dimethylamino)propyl]carbamate hydrochloride

Stellar™ Fungicide is a suspendable concentrate fungicide containing 0.52 lb fluopicolide per gallon and 5.2 lbs of propamocarb hydrochloride per gallon.

EPA Reg. No. 59639-143  EPA Est. 39578-TX-01

KEEP OUT OF REACH OF CHILDREN
CAUTION
SEE NEXT PAGE FOR ADDITIONAL PRECAUTIONARY STATEMENTS

NET CONTENTS 104 OUNCES

SHAKE WELL BEFORE USING
AGITESE BIEN ANTE USO

Classified for “RESTRICTED USE” in New York State under 6NYCRR Part 326

New York State Department of Environmental Conservation Division of Solid & Hazardous Materials Pesticide Product Registration

Oct 12, 2010
HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Wear long-sleeved shirt and long pants, socks and shoes. Remove and wash contaminated clothing before reuse.

FIRST AID

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.

If inhaled: Move person to fresh air. If not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Have person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person.

If swallowed: Hold eye open and rinse slowly and gently with water for 15-20 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 in eyes: Hold eye open and rinse slowly and gently with water for 15-30 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.

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 A on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material such as natural rubber ≥ 14 mils, socks and shoes.
- As soon as possible, wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water by disposing of equipment washwaters or rinsate.

DIRECTIONS FOR USE

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

READ ENTIRE LABEL USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

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.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

AGRICULTURE 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 prod-
tect that are covered by the Worker Protection Standard.

IMPORTANT: Read the entire Label including this Disclaimer, Risks of Using this Product, Limited Warranty, and Limitation of Liability before using this product. If the terms are not acceptable THEN DO NOT USE THE PRODUCT; rather, return the unopened product within 15 days of purchase for a refund of the purchase price.

DISCLAIMER, RISKS OF USING THIS PRODUCT, LIMITED WARRANTY AND LIMITATION OF LIABILITY

(continued)
GENERIC INFORMATION
Stellar Fungicide is formulated as 5.7 lbs ai/gal suspension concentrate (SC). The active ingredients in Stellar Fungicide are fluopicolide and propamocarb hydrochloride. Stellar Fungicide exhibits protective, curative, eradicative and antiproliferant activity. Flupicilide is locally systemic, transimaminar and also moves systemically via xylem tissue. Stellar Fungicide is most effective when applied in a regularly scheduled spray program used in combination and/or rotation with other effective fungicides that have different modes of action (i.e., non Group 28 & 43 fungicides).

MODE OF ACTION
Stellar Fungicide is active against selective oomycetes. It exhibits the typical mode of action of specific systemic fungicides against oomy- cete fungi affecting several steps in the reproduction cycle. Biochemical studies show that fluopicolide has an effect on spectrum-like proteins, believed to play a role in maintaining the mem- brane stability in ascomycete fungi or oomycetes, especially during hy- phal tip extension. Microscopic studies demonstrate that fluopicolide induces a quick redistribution of these proteins from the membrane to the cytoplasm in both hyphae and zoospores. Propamocarb is believed to affect lipid and membrane synthesis, re- sulting in altered cell membrane permeability.

RESISTANCE MANAGEMENT
Stellar Fungicide contains fluopicolide and propamocarb which are group 28 & 43 fungicides, respectively. The target sites of action of Groups 28 & 43 fungicides are specific but the biochemical modes of action are not known. Fungal isolates with acquired resistance to flu- picolide and propamocarb may eventually dominate the fungal pop- ulation if Stellar Fungicide is used repeatedly and not rotated or com- bined with other modes of action. Repeated use may result in partial or total loss of control of these pathogens by Stellar Fungicide. To main- tain the performance of Stellar Fungicide do not exceed the labeled General Information...
number of sequential or seasonal applications in the “Directions for Use”. Adhere to label instructions concerning the consecutive use of Stellar Fungicide. The following recommendations may be considered to delay the development of fungicide resistance:

- Integrated Pest Management (IPM): Stellar Fungicide must be integrated into an overall disease and pest management program. Follow cultural practices known to reduce disease development. Consult your local extension specialist, certified crop advisor and/or Valent representative for additional IPM strategies established for your area. Stellar Fungicide may be used in Agricultural Extension advisory (disease forecasting) programs, that recommend application timing based on environmental factors favorable for disease development.

- Monitoring: Monitor efficacy of all fungicides used in the disease management program against the targeted pathogen and record other factors that may influence fungicide performance and/or disease development.

- Reporting: If a Group 28 & 43 target site fungicide appears to be less than two (2) applications per year (104 fl oz/A per year). The maximum Stellar Fungicide application rate is 2.4 fl oz per 1000 sq ft per year (104 fl oz/A per year).

**CHEMIGATION**

Stellar Fungicide prevents and controls damping off, rust rot and stem diseases caused by pythium blight infecting turfgrass. Pythium blight is sometimes referred to as greasy spot or cottony blight and is in a group of fungi known as water molds. This disease is common in turfgrass areas with poor soil drainage and a wet turfgrass canopy. High humidity and high temperatures provide an ideal environment for development of pythium blight. Pythium blight occurs in all cool season grasses, but it is especially prevalent in creeping bentgrass, annual bluegrass and perennial ryegrass.

**DIRECTIONS FOR USE ON TURFGRASS**

INTEGRATED PEST MANAGEMENT (IPM): Stellar Fungicide must be integrated into an overall disease and pest management program. Follow cultural practices known to reduce disease development. Consult your local extension specialist, certified crop advisor and/or Valent representative for additional IPM strategies established for your area. Stellar Fungicide may be used in Agricultural Extension advisory (disease forecasting) programs, that recommend application timing based on environmental factors favorable for disease development.

**MONITORING:**

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**DIRECTIONS FOR USE ON TURFGRASS**

**Turfgrass**

Stellar Fungicide is applied in sufficient water to ensure thorough coverage. Thorough coverage is required for optimal disease control. For ground application to turfgrass, apply a minimum of 2 gallons of spray mixture per 1,000 sq ft to assure uniform coverage.

**CHEMIGATION**

Do not use the product via chemigation on turfgrass.

**TURFGRASS**

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**DIRECTIONS FOR USE ON TURFGRASS**

**Established and Overseeded Turfgrass:**

<table>
<thead>
<tr>
<th>Turfgrass</th>
<th>Diseases</th>
<th>Application Rate</th>
<th>Special Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Golf Course Turf</td>
<td>Pythium Blight, Pythium Damping Off</td>
<td>1.2 fl oz per 1000 sq ft (30 fl oz/A)</td>
<td>The maximum Stellar Fungicide application rate is 2.4 fl oz per 1000 sq ft per year (104 fl oz/A per year).</td>
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<td>Sod Farms and Overseeded</td>
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<td>Apply in a minimum volume of 2 gals per 1000 sq ft.</td>
</tr>
</tbody>
</table>

**Overseeded Turf:**

Apply after seed germination to prevent pythium damping off for established turf.

**Established Turf:**

Apply when conditions favor disease development. Favorable conditions included high temperatures and high humidity.

Do not apply more than 2 fl oz of Stellar Fungicide per season. If necessary, make an additional application on a 14 day interval.
STORAGE AND DISPOSAL

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

PESTICIDE STORAGE
Store in a cool dry place.
Keep pesticide in original container.
Keep container closed when not in use.
Do not put concentrate or dilute into food or drink containers.
Do not store in or around the home.
Do not store at temperature below 32°F. If the product is exposed to temperatures below 32°F, thaw at 50°F or higher and shake gently to unify the product.
For help with any spill, leak, fire or exposure involving this material, call day or night 1-800-892-0099.

PESTICIDE DISPOSAL
Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL
Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. 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.

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Manufactured for
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www.valentpro.com
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Form 1689-C Made in U.S.A.
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