

SYS X STAR[®]

The dual systemic fungicide for turf and ornamentals

WDG

Specimen Label

A systemic water dispersible granular formulation for excellent control of multiple turfgrass and ornamental plant diseases.

ACTIVE INGREDIENTS:

Thiophanate-methyl, Dimethyl [(1,2-phenylene) bis (iminocarbonothioyl)] bis[carbamate]	28.58%
Flutolanil, N-[3-(1-methylethoxy) phenyl] -2-(trifluoromethyl) benzamide	51.42%
INERT INGREDIENTS;	20.00%
TOTAL	100.00%

CAUTION AVISO

KEEP OUT OF REACH OF CHILDREN

STATEMENT OF PRACTICAL TREATMENT

If on skin or Clothing

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

If in eyes

- 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 swallowed

- Call 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 the poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-621-5208 for emergency medical treatment information.

EPA Registration No. 48234 - 18

EPA Establishment No. 48234 - GA-1



General Information:

SysStar® WDG fungicide is an efficacious formulation of two systemic chemical fungicides. SysStar WDG gives excellent control of multiple turfgrass and ornamental plant diseases for long periods of time due to their systemic activity. SysStar WDG is a water dispersible granular especially suitable for application with conventional spraying equipment. After applying SysStar WDG, irrigate with sufficient water to move the product down to the soil line. With adequate water to move the chemicals through the soil profile to the plant roots, fungicidal activity begins when the roots absorb the fungicide and translocate it throughout the treated plant. Thirty days of control is generally obtained. The chemical presence is largely diminished by removal of clippings when mowed. Otherwise, much longer protection can be obtained.

SysStar WDG controls both dollar spot and brown patch diseases of turfgrass. It works both as a preventive and curative fungicide. Other diseases controlled by SysStar WDG include fairy ring, patch diseases, and Ectotrophic fungi - caused root diseases.

For ornamental landscape, nursery and container grown plants, SysStar WDG may be foliar sprayed or drenched into the planting soils, where many diseases are controlled. When the fungicide is absorbed by the roots it is translocated throughout the growing plants. Rhizoctonia, Sclerotium rolfii, and Gaeumannomyces graminis can be prevented from disease activity. Oomycete fungi are not controlled with SysStar WDG. Systemic fungicides are more effective when taken up by the roots and carried upward through the plant in the xylem stream. Roots, crowns, and shoots are all protected in this manner. Use SysStar WDG for the ultimate fungi control and protection. Dual systemic action without growth regulation on the treated plant.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS (AND DOMESTIC ANIMALS) CAUTION

HARMFUL IF SWALLOWED, ABSORBED THROUGH SKIN, OR INHALED. CAUSES MODERATE EYE IRRITATION. Avoid contact with skin, eyes or clothing

PERSONAL PROTECTIVE EQUIPMENT

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

- Applicators and other handlers must wear:
- long sleeved shirt and long pants
 - chemical-resistant (category A) gloves
 - shoes plus socks

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.

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. Wash them 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. Do not apply where runoff is likely to occur. 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 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 12 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- coveralls
- chemical resistant (category A) gloves
- 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 spray has dried.

TURF

For use on all fine turf applications such as industrial lawns, athletic fields, home lawns, cemeteries, sod farms, golf course greens, tees, and fairways of Bentgrasses, Bluegrasses, Bermudagrasses, Zoysiagrasses, Fescues, Ryegrasses, St. Augustine grasses or their mixtures. SysStar WDG is not phytotoxic to any of the above mentioned grasses when used in accordance with the label. SysStar WDG is to be used for the prevention and control of the below mentioned diseases (provides both curative and protective action).

Apply SysStar WDG with conventional spraying equipment in a uniform manner for even coverage. SysStar WDG is not phytotoxic. Use the highest recommended rates when conditions are favorable to disease development.

DOLLAR SPOT (Sclerotinia homoeocarpa), **ANTHRACNOSE** (colletrichum graminicola). Apply SysStar WDG at 2.0 to 3.0 oz/1000 sq. ft. beginning when disease first appears and continue at 14-30 day intervals through the season or as needed. 30 day control is possible, especially at higher application rate. Reduce spray intervals when conditions are unusually favorable for disease development.

LARGE BROWN PATCH OR RHIZOCTONIA BLIGHT (Rhizoctonia solani), **COPPER SPOT** (Gloeocercospora sorghi), **RED THREAD** (Cortecium fuciforme), **FUSARIUM PATCH** (Fusarium nivale). Apply SysStar WDG at 2.0 to 3.0 oz/1000 sq. ft. beginning at first disease appearance. Continue applications at 14 to 21 day intervals through the season, or as needed.

RED THREAD, PINK PATCH, YELLOW PATCH, SOUTHERN BLIGHT (Sclerotium) Apply SysStar WDG at 2.0 oz/1000 sq. ft. beginning at first disease appearance. Continue applications at 21- 28 day intervals through the season, or as needed.

GRAY LEAF SPOT, LEAF SPOT (Dreschlera spp.) (Helminthosporium spp.) Apply SysStar WDG at 2.0 to 3.0 oz/1000 sq. ft. beginning at first disease appearance. Continue applications at 14 day intervals, or as needed.

GRAY SNOW MOLD (Typhula spp.) **PINK SNOW MOLD** (Microdochium nivale spp.) Apply in the fall, prior to snow cover 4.0 to 6.12 oz/1000 sq. ft. For best results lightly water this application into the root zone.

FAIRY RING (including Marasmius spp., Lepiota spp., Agaricus spp.) Preventative: applied at 3.0 oz./1000 sq. ft. in 3-5 gallons of water may suppress the development of fairy ring caused by various basidiomycete pathogens. A second application may be made at a 21 to 28 day interval using the same dosage rate.

Curative: applied at 6.12 oz./1000 sq. ft. in 10-50 gallons of water may suppress the development of fairy ring. Application should be made as a spot treatment to the affected area at the first sign of ring development (greening, death of turf, mushrooms). Symptom suppression may be temporary and symptoms may reoccur. Aeration prior to subsurface applications has been beneficial in some cases. Use of a nonionic surfactant in combination with SysStar WDG is recommended. Treated areas should be irrigated prior to and after application with sufficient water to maintain growth of turf. Do not treat more than 10,000 sq. ft. per acre of turf area.

STORAGE AND DISPOSAL

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

STORAGE INSTRUCTIONS: Store in the original container in a dry area. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling, sweep up spillage and dispose of in accordance with the Pesticide Disposal Instructions listed below.

PESTICIDE DISPOSAL INSTRUCTIONS: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. 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 INSTRUCTIONS: After bag has been emptied, dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

WARRANTY AND DISCLAIMER

Regal Chemical Company warrants that this product conforms to the chemical descriptions on its label. When used in accordance with label directions under normal conditions, this product is reasonably fit for its intended purpose. Since timing, method of application, weather, plant and soil conditions, mixtures with other chemicals, and other factors affecting the use of this product are beyond our control no warranty is given concerning the use of this product contrary to label directions or under conditions which are abnormal or not reasonably foreseeable. The user assumes all risks of any such use.

ORNAMENTALS

SysStar WDG is a broad spectrum systemic fungicide which controls a variety of diseases on annual and perennial plants, ground covers, woody and herbaceous ornamentals in greenhouses, shade houses, saran houses and outdoor containers; field grown and nursery stocks. Apply SysStar WDG with conventional spraying equipment in a uniform manner for even coverage. Use the highest recommended rates when conditions are favorable to disease development. Do not use any treated plants for food or feed purposes.

PLANT TYPES AND DISEASES CONTROLLED

DISEASE(S)	PLANT TYPES
Anthracnose	woody ornamentals, shade trees ¹
Ascochyta Blight	herbaceous ornamentals
Black spot	Roses
Botrytis (Gray mold)	woody and herbaceous ornamentals
Rhizoctonia	woody and herbaceous ornamentals
Cercospora Leaf Spot	woody and herbaceous ornamentals
Corynespora Leaf Spot	ligustrum
Didymellina Leaf Sport	iris
Diplodia Tip Blight (Diplodia piea)	shade and ornamental trees
Ovulinia	azalea, rhododendron ²
Entomosporium Leaf Spot	woody and herbaceous ornamentals
Phomopsis Blight	woody and herbaceous ornamentals
Powdery Mildew	woody and herbaceous ornamentals, ornamental nut and fruit trees (non edible fruit)
Ramularia Leaf Spot	herbaceous ornamentals
Scab	pyracantha, flowering crab, ornamental fruit and nut trees (non edible fruit)
Sclerotinia	woody & herbaceous ornamentals
Septoria Leaf Spots	woody & herbaceous ornamentals

KEY TO NOTES:

¹Begin at bud break and make 2 or 3 additional applications at 10 to 14 day intervals.

²Begin treatment as flowers open.

³Make no more than four applications of SysStar WDG per year to ornamental plantings.

Foliar spray application: Apply SysStar WDG at 4 to 8 oz/100 gallons of water. Spray mixture until spray runs off of foliage, for best results apply prior to disease development.

Soil drench application: Apply SysStar WDG at 2 to 4 oz/100 gallons of water. Application to ground and raised beds should be delivered at 1 pint per square foot (4 inch depth or less) and 2 pints per square foot for depths greater than 4 inches. Re-apply as needed for disease control.

SysStar WDG systemic fungicide may be applied over-the-top of ornamental plants or drenched into the soil. The active ingredients are then absorbed by the foliage or the roots on contact and move via the xylem stream upward through the treated plant.

NOTICE TO USER: Plant tolerance to SysStar WDG has been found to be acceptable on all ornamentals that it has been tested on. Due to the large number of species and varieties of ornamental and nursery plants, it is impossible to test every one for tolerance to SysStar WDG. Neither the manufacturer nor the seller has determined whether or not SysStar WDG can be used safely on ornamental plants not specified on this label. The professional user should determine if SysStar WDG can be used safely prior to commercial use. In a small area test the recommended rates on a small number of plants for phytotoxicity prior to widespread use. Before using SysStar WDG in tank mixture with other products, test the mixture on a small number of plants for phytotoxicity prior to widespread use.

USE RESTRICTIONS

For use rates over 3.0 oz per 1000 square ft., do not apply SysStar WDG within 100 feet of any estuary or marine habitat or within 100 feet of any ditches, drainage tiles, or other waterways that drain directly into (within 0.5 mile) estuaries or marine habitats.

Apply no more than a combined total of 6.12 oz. SysStar WDG per 1000 square feet as a broadcast application during a single growing season.

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

