 <p>U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505C) 401 "M" St., S.W. Washington, D.C. 20460</p> <p>NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Reregistration</p> <p>(under FIFRA as amended)</p>	EPA Reg. Number 48234-18	Date of Issuance NOV 9 2000
	Term of Issuance Conditional	
	Name of Pesticide Product SysStar WDG	
Name and Address of Registrant (include ZIP Code): Regal Chemical Company P.O. Box 900 Alpharetta, GA 30009		
<p>Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.</p> <p>On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.</p> <p>Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p>This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> 1. Submit/cite all data required for the registration/ reregistration of your product when the Agency requires all registrants of similar products to submit data; and submit acceptable responses required for reregistration of your product under FIFRA section 4. 2. Make the following labeling changes before you release the product for shipment: <ol style="list-style-type: none"> a. Revise the EPA Registration Number to 48234-18 b. Directly under the signal word, delete either the heading "Statement of Practical Treatment" or the heading "First Aid". c. Change the heading "Use Precautions" to "Use Restrictions" at the end of the Directions for Use section. d. Under Agricultural Use Requirements, change the bullet "chemical resistant gloves made of any waterproof material" to "chemical-resistant (category A) gloves". e. Add the signal word CAUTION immediately below "Hazards to Humans and Domestic Animals" under Precautionary Statements. 		
Signature of Approving Official <i>Mary L. Walker</i>	Date NOV 9 2000	

- 3. Submit one (1) copy of your final printed labeling for our records.
- 4. Submit a one-year corrosion characteristics study (830.6320) by January 1, 2002.

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

A stamped copy of the label is enclosed for your records. If you have any questions, contact Lisa Jones of my staff at (703) 308-9424 or at jones.lisa@epa.gov

Sincerely yours,

Mary L. Waller

Mary L. Waller
 Product Manager (21)
 Fungicide Branch
 Registration Division (7505C)

- Enclosures:
- Stamped copy of label
 - 18 July 2000 Product Chemistry Review
 - 12 June 2000 Acute Toxicity Data Review

DRAFT COPY

ACCEPTED
with COMMENTS
In EPA Letter Dated:

SysStar WDG

Fungicide

NOV 9 2000
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
48234-18

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-(methylethoxy) phenyl] (1-2 trifluoromethyl) - benzamide 51.42%

INERT INGREDIENTS: 20.00%
TOTAL 100.00%

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

FIRST AID	
If on skin or Clothing	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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 -
EPA Establishment No. 48234 - GA-1

Regal Chemical Company
P.O. Box 900
Alpharetta, GA 30009

09/21 /00

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)**

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 for 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 was 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 washwaters.

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 golves made of any waterproof material
- shoes plus socks

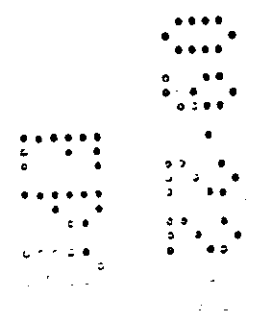
General Information:

SysStar WDG fungicide is an efficacious formulation of two systemic chemical fungicides. Flutolanil and thiophanate methyl together give 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 through out 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 through-out the growing plants. Rhizoctania, Sclerotium rolfsii, 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.



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.

APPLICATION INSTRUCTIONS:

TURF

For use on all fine turf applications such as industrial lawns, athletic field, home lawns, cemeteries, sod farm's, golf course greens, tees, and fairways of Bentgrasses, Bluegrasses, Bermudagrasses, Zoysiagrass, 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 above 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 (colletotricum graminicola)
Apply SysStar WDG at 2.0 to 3.0 oz/1000 sq. ft. beginning when disease first appears and continue at 14 day intervals through the season or as needed. Thirty 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 21day intervals through the season, or as needed.

RED THREAD, PINK PATCH, YELLOW PATCH, SOUTHERN BLIGHT 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 when disease first 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. Aerification 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.

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)

Anthracnose
 Ascochyta Blight
 Black spot
 Botrytis (Gray mold)
 Rhizoctonia
 Cercospora Leaf Spot
 Corynespora Leaf Spot

DISEASE(S)

Didymellina Leaf Sport
 Diplodea Tip Blight
 (Diplodea piea)
 Ovulinia
 Entomosporium Leaf Spot
 Phomopsis Blight
 Powdery Mildew

Ramularia Leaf Spot
 Scab

Septoria Leaf Spots

PLANT TYPES

woody ornamentals, shade trees (1)
 herbaceous ornamentals
 Roses
 woody and herbaceous ornamentals
 woody and herbaceous ornamentals
 woody and herbaceous ornamentals
 ligustrum

PLANT TYPES

iris
 shade and ornamental trees

 azalea, rhododendron (2)
 woody and herbaceous ornamentals
 woody and herbaceous ornamentals
 woody and herbaceous ornamentals, ornamental
 nut and fruit trees (non edible fruit)
 herbaceous ornamentals
 pyracantha, flowering crab, ornamental fruit and
 nut trees (non edible fruit)
 woody and herbaceous ornamentals

KEY TO NOTES:

- (1) Begin at bud break and make 2 or 3 additional applications at 10 to 14 day intervals.
- (2) Begin treatment as flowers open.
- (3) Make 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.