

## SPECIMEN LABEL

## FLUDIOXONIL SC

## FUNGICIDE

*For control of certain foliar, stem, and root diseases in turfgrass including golf courses, institutional, commercial and residential lawns, sod farms, sports fields, parks, municipal grounds and cemeteries and of ornamentals grown in interiorscapes, field nursery plantings, container nurseries, forest nurseries, residential and commercial landscapes, greenhouses, lath and shade houses, or other enclosed structures.*

*Sale, use and distribution of this product in Nassau and Suffolk counties in the State of New York is prohibited.*

Manufactured By:  
Prime Source, a division  
of Albaugh, LLC  
1525 NE 36th Street  
Ankeny, IA 50021

## Active Ingredient:

Fludioxonil ..... 11.8%

Other Ingredients: ..... 88.2%

Total: ..... 100.0%

\*CAS No. 131341-86-1

FLUDIOXONIL SC is a suspension concentrate containing 1.04 pounds active ingredient per gallon.

**KEEP OUT OF REACH OF CHILDREN**  
**MANTÉNGASE FUERA DEL ALCANCE DE LOS NIÑOS**  
**CAUTION/PRECAUCION**

See additional first aid, precautionary statements and directions for use inside booklet.

FIRST AID	
IF SWALLOWED/ SI SE INGIERE	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
	<ul style="list-style-type: none"> <li>• Llame al centro de control de envenenamientos o a un médico para consejo de tratamiento.</li> <li>• Si la persona puede tragar, haga que beba un vaso de agua lentamente.</li> <li>• No induzca el vómito a menos que así se lo indique un centro de control de envenenamientos o un médico.</li> <li>• No administre nada por boca a una persona que haya perdido el conocimiento.</li> </ul>
IF IN EYES/ SI ENTRA EN CONTACTO CON LOS OJOS	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 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>
	<ul style="list-style-type: none"> <li>• Mantenga los ojos abiertos y enjuáguelos lenta y cuidadosamente con agua, durante 15 a 20 minutos.</li> <li>• Si utiliza lentes de contacto, retírelos después de los primeros 5 minutos, luego continúe enjuagando los ojos.</li> <li>• Llame al centro de control de envenenamientos o a un médico para consejo de tratamiento.</li> </ul>
Have the product or label with you when calling doctor, poison control or going for treatment.	
Cuando llame a un centro de control de envenenamiento, o a un médico, o intente obtener tratamiento, tenga a la mano el envase o la etiqueta del producto.	
HOT LINE NUMBER For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire or Accident) call 1-888-347-6732.	
NÚMERO DE LÍNEA DIRECTA Para asistencia de emergencia médica (humana o animal) o asistencia de emergencia química (derrame, fuga, incendio o accidente) las 24 horas, llame al 1-888-347-6732.	

#### PRECAUTIONARY STATEMENTS

##### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

##### CAUTION

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing.

##### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

#### DECLARACIONES PREVENTIVAS

##### RIESGOS PARA LOS SERES HUMANOS Y ANIMALES DOMÉSTICOS

##### PRECAUCION

Dañino si se ingiere. Causa irritación moderada en los ojos. Evite el contacto con los ojos o ropa.

##### EQUIPO DE PROTECCIÓN PERSONAL (PPE)

Los aplicadores y otros manipuladores de pesticidas (plaguicidas) deben usar:

- Camisa de manga larga, pantalones largos
- Calzetines y zapatos

USER SAFETY REQUIREMENTS	REQUISITOS DE SEGURIDAD PARA EL USUARIO
Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.	Siga las instrucciones del fabricante para la limpieza/mantenimiento del equipo de protección personal (PPE, por sus siglas en inglés). En caso de no existir dichas instrucciones de lavado, utilice detergente y agua caliente. Mantenga y lave el PPE separadamente de otra ropa para lavar.

#### ENGINEERING CONTROLS

When handlers use closed systems or enclosed cabs 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.

#### CONTROLES DE INGENIERÍA

Cuando los manipuladores utilizan sistemas cerrados o cabinas cerradas que cumplen con los requisitos enumerados en la Protección del Trabajador Agrícola (WPS, por sus siglas en inglés) para pesticidas agrícolas [40 CFR 170.607(d-e)], los requisitos de PPE del manipulador pueden reducirse o modificarse según lo especificado en el WPS.

USER SAFETY RECOMMENDATIONS	RECOMENDACIONES DE SEGURIDAD PARA EL USUARIO
<p>Users should:</p> <ol style="list-style-type: none"> <li>1. Wash hands with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.</li> <li>2. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.</li> <li>3. 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.</li> </ol>	<p>Los usuarios deben usar:</p> <ol style="list-style-type: none"> <li>1. Lávese con abundante agua y jabón luego de manejar (pesticidas) y antes de comer, beber, masticar chicle o tabaco.</li> <li>2. Quítese la ropa/EPP inmediatamente si el pesticida entra. Luego lávese bien y póngase ropa limpia.</li> <li>3. Quítese el EPP inmediatamente después de manipular este producto. Lave el exterior de los guantes antes de quitárselos. Tan pronto como sea posible, lávese bien y cámbiese a ropa limpia.</li> </ol>

#### ENVIRONMENTAL HAZARDS

For terrestrial uses: This product is toxic to fish, aquatic invertebrates, and oysters and shrimp. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean highwater mark. Do not contaminate water when disposing of equipment washwater or rinsate.

#### GROUND WATER ADVISORY

This chemical has properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

#### SURFACE WATER ADVISORY

This chemical may contaminate water through drift of spray in wind. This chemical has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this chemical. A level, well maintained vegetative buffer strip between areas to which this chemical is applied and surface water features such as ponds, streams, and springs, will reduce the potential for contamination of water from rainfall runoff. Runoff of this chemical will be reduced by avoiding applications when conditions favor runoff, such as when soils are saturated and/or significant rainfall is forecast in the next 48 hours. Sound erosion control practices will reduce this chemical's contribution to surface water contamination.

#### PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame. Do not mix or allow coming into contact with oxidizing agent. Hazardous chemical reaction may occur.

#### RIESGOS AMBIENTALES

Para usos terrestres: Este pesticida es tóxico hacia peces e invertebrados acuáticos, ostras y camarones. No aplique directamente a cuerpos de agua, en áreas donde haya aguas superficiales, o en áreas intermareales que se encuentren bajo el nivel de altura máxima promedio del agua. No contamine cuerpos de agua cuando disponga de las aguas de lavado de equipo o aguas de enjuague.

#### AVISO DE AGUA SUBTERRÁNEA

Este químico tiene propiedades y características asociadas con químicos detectados en aguas subterráneas. El uso de este producto químico en zonas donde los suelos son permeables, particularmente donde el nivel freático es poco profundo, puede provocar contaminación de las aguas subterráneas.

#### AVISO SOBRE AGUAS SUPERFICIALES

Este producto químico puede contaminar el agua por la dispersión del rocío en el viento. Tiene un alto potencial de escorrentía durante varios meses o más después de su aplicación. Los suelos con mal drenaje y con niveles freáticos poco profundos son más propensos a producir escorrentías que contienen esta sustancia química. Una franja de protección amortiguamiento vegetativo, nivelada y bien mantenida entre las áreas donde este producto es utilizado y cuerpos de agua superficiales tales como lagos (lagunas), ríos y manantiales, reducirá el riesgo de contaminación del agua por la escorrentía pluvial. La escorrentía de este químico se reducirá evitando aplicaciones cuando las condiciones favorezcan la escorrentía, como cuando los suelos están saturados y/o se pronostican lluvias significativas en las próximas 48 horas. Las prácticas adecuadas de control de la erosión reducirán la contribución de esta sustancia química a la contaminación de las aguas superficiales.

#### PELIGROS FÍSICOS O QUÍMICOS

No lo use ni almacene cerca del calor o llamas abiertas. No mezcle ni permita el contacto con un agente oxidante, ya que puede ocurrir una reacción química peligrosa.

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

**FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR DISEASE CONTROL OR PLANT INJURY.**

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.

## INSTRUCCIONES DE USO

El uso de este producto de forma contraria a lo indicado en su etiqueta constituye una infracción de la ley federal.

El incumplimiento de las instrucciones de uso y precauciones de esta etiqueta puede provocar daño a las plantas y/o control deficiente de enfermedades

No aplique este producto de manera que entre en contacto con trabajadores u otras personas, ya sea directamente o por deriva. Solo los manipuladores protegidos pueden estar en el área durante la aplicación. Para cualquier requisito específico de su estado o tribu, consulte a la agencia estatal o tribal responsable de la regulación de pesticidas.

### 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.

Exception: If the product is applied by drenching, 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:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

### REQUISITOS DE USO AGRICOLA

Utilice este producto solo de acuerdo con su etiqueta y el Estándar para la Protección del Trabajador Agrícola (WPS, por sus siglas en inglés), 40 CFR Parte 170. Esta ley contiene los requisitos para la protección de los trabajadores agrícolas en granjas, bosques, viveros e invernaderos, y para las personas que manipulan pesticidas agrícolas. Contiene requisitos para la capacitación, descontaminación, notificación y asistencia de emergencia. También contiene instrucciones específicas y excepciones relacionadas con las indicaciones en esta etiqueta acerca del equipo de protección personal (PPE, por sus siglas en inglés), y el intervalo de ingreso restringido. Los requisitos en esta sección de la etiqueta (requisitos para uso agrícola) aplican únicamente a los usos de este producto que están cubiertos por el Estándar para la Protección del Trabajador Agrícola.

No ingrese o permita el ingreso de trabajadores a las áreas tratadas durante el intervalo de acceso restringido (REI, por sus siglas en inglés) de 12 horas.

Excepción: Si el producto se aplicó por empapado, la Norma de Protección del Trabajador, bajo ciertas circunstancias, permite que los trabajadores ingresen al área tratada si no habrá contacto con nada que haya sido tratado.

El equipo de protección personal requerido para el acceso anticipado a áreas tratadas de acuerdo con el Estándar para la Protección del Trabajador Agrícola, y que involucra el contacto con material tratado, como plantas, tierra o agua, es:

- Camisa de manga larga, pantalones largos
- Guantes impermeables
- Calcetines y zapatos
- Gafas de seguridad

NON-AGRICULTURAL USE REQUIREMENTS	REQUISITOS DE USO NO AGRICOLA
<p>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.</p> <p>Do not enter treated areas without protective clothing until sprays have dried.</p>	<p>Los requisitos en este recuadro se aplican a los usos de este producto que NO están dentro del alcance de la Norma de protección del trabajador, 40 CFR parte 170. La WPS se aplica cuando este producto se usa para producir plantas agrícolas en granjas, bosques, viveros e invernaderos.</p> <p>No ingrese a las áreas tratadas sin ropa protectora hasta que los aerosoles se hayan secado.</p>

#### USE RESTRICTIONS

- Sale, use and distribution of this product in Nassau and Suffolk counties in the State of New York is prohibited.
- Hawaii: Use is limited to ornamentals grown in interiorscapes, greenhouses, lath and shade houses, containers, or other enclosed structures.
- Do not apply product with any type of aircraft.

OBSERVE THE FOLLOWING RESTRICTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES, RESERVOIRS, RIVERS, PERMANENT STREAMS, MARSHES OR NATURAL PONDS, ESTUARIES, AND COMMERCIAL FISH FARM LAKES, RESERVOIRS, PONDS.

- Do not apply within 75 ft. of bodies of water such as lakes, reservoirs, rivers, permanent streams, natural ponds, marshes or estuaries
- For all plantings within 150 ft. of bodies of water as described above, spray crops from outside the planting away from the bodies of water
- Shut off the sprayer when at row ends
- Spray the last three rows windward of aquatic areas using nozzles on one side only, with spray directed away from aquatic areas
- Do not cultivate within 10 ft. of aquatic areas as to allow a vegetative filter strip
- Do not apply when weather conditions favor drift to aquatic areas.
- Do not apply when gusts or sustained winds exceed 10 mph
- Do not apply during a temperature inversion. Mist or fog may indicate the presence of an inversion in humid areas

#### MIXING PROCEDURES

Prepare no more mixture than is needed for the immediate operation. Thoroughly clean the spray equipment before using FLUDIOXONIL SC. Agitation is necessary to maintain uniformity of the spray mixture. Maintain maximum agitation throughout the spraying operation. Do not let the spray mixture stand overnight in the spray tank. Flush the spray equipment thoroughly following each use and apply the rinsate to a previously treated area.

**FLUDIOXONIL SC Alone:** Add 1/3 of the required amount of water to the spray or mixing tank. With the agitator running, add the required amount of FLUDIOXONIL SC into the spray tank all at once. Continue agitation while adding the remainder of the water. Begin application of the spray solution after the material has completely dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

**FLUDIOXONIL SC + Tank Mixtures:** To determine the physical compatibility of FLUDIOXONIL SC with other products, use a jar test, as described below.

**Jar Compatibility Test:** Using a quart jar, add the proportionate amounts of the products to 1 qt. of water. Add wettable powders and water-dispersible granular products first, then liquid flowables, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank.

To determine biological compatibility with other products, mix the products in the desired proportions, apply per label directions on a small area or small number of plants for phytotoxicity prior to widespread use.

Plant tolerance has been found acceptable for ornamentals listed in the ORNAMENTALS section of this label. However, not all possible

tank-mix combinations have been tested under all conditions. When possible, it is recommended to test the combinations on a small portion of target plants to ensure a phytotoxic response will not occur as a result of application.

NOTE: Use with oils or adjuvants may cause plant damage.

If using FLUDIOXONIL SC in a tank mixture, observe all directions for use, use rates, dilution ratios, precautions, and limitations which appear on the tank-mix product label. Do not exceed any label dosage rates and follow the most restrictive label precautions and limitations. Do not mix this product with any product that prohibits such mixing. This product should not be mixed with any product which prohibits such mixing. Tank mixtures are permitted only in those states where the tank-mix partner is registered.

Add 1/3 of the required amount of water to the spray or mixing tank. With the agitator running, add the required amount of FLUDIOXONIL SC into the tank. Continue agitation while adding the remainder of the water. Then add the desired amount of other products recommended for tank mixture and allow them to become completely dispersed. Continue agitation to maintain a uniform suspension until all of the spray solution has been applied.

## Directions for Use Through Microjet or Drip Chemigation Systems (ORNAMENTALS ONLY) (Not registered for use by California)

For applications of FLUDIOXONIL SC as soil drench applications only.

Do not use in overhead irrigation systems.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

FLUDIOXONIL SC alone or in tank mixture with other pesticides which are registered for microjet or drip application may be applied in irrigation water at rates specified in this label.

Applications to the soil may be made through microjets or drip irrigation. With microjet systems, apply additional water after application is complete to remove residues from the foliage. Apply enough supplemental water to wet the root zones of the plants.

Do not apply this product through any other type of irrigation system. Plant injury or lack of effectiveness can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension specialists, equipment manufacturers, or other experts.

Thorough coverage is necessary to provide good disease control. Where distribution patterns do not overlap sufficiently, unacceptable control may result. Where distribution patterns overlap excessively, injury to desirable plants may result.

### Spray Preparation

Chemical tank and injector system should be thoroughly cleaned. Flush system with clean water.

Fill the mix (supply) tank with the required amount of water. Start agitation in the tank. Agitate the solution until the FLUDIOXONIL SC has completely dispersed into the solution. Then add desired amount of tank-mix partners. Maintain agitation in the tank and inject this mixture into the irrigation system. Injecting a larger volume of a more dilute mixture per hour will usually provide more accurate calibration of metering equipment. Maintain sufficient agitation to keep the fungicide in suspension.

Meter into irrigation water during the beginning of the irrigation cycle.

### Operation Instructions

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water-source contamination from backflow.

The pesticide injection pipeline must contain a functional automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

#### Specific Instructions for Public Water Systems

1. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
2. Chemigation systems connected to public water systems must contain a functional reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
3. The pesticide injection pipeline must contain a functional automatic quick-closing check valve to prevent the flow of fluid back toward the injection pump.
4. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops or in cases where there is no water pump when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.

#### SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

#### IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

#### Controlling Droplet Size – Ground Boom

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate."
- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

## **BOOM HEIGHT – Ground Boom**

For ground equipment, the boom should remain level with the crop and have minimal bounce.

## **SHIELDED SPRAYERS**

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

## **TEMPERATURE AND HUMIDITY**

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

## **TEMPERATURE INVERSIONS**

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

## **WIND**

Drift potential generally increases with wind speed. **AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.** Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

### **Boom-less Ground Applications:**

- Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

### **Handheld Technology Applications:**

- Take precautions to minimize spray drift.

## **RESISTANCE MANAGEMENT**

For resistance management, FLUDIOXONIL SC contains a Group 12 fungicide. Any fungal population may contain individuals naturally resistant to FLUDIOXONIL SC and other Group 12 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance, take one or more of the following steps:

- Rotate the use of FLUDIOXONIL SC or other Group 12 fungicides within a season with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, using historical information related to pesticide use and which considers host plant resistance, impact of environmental conditions on diseases development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal populations for resistance development.
- For further information or to report suspected resistance, contact Prime Source, a division of Albaugh, LLC at 1-800-247-8013 or at [www.albaughllc.com](http://www.albaughllc.com). You can also contact your pesticide distributor or university extension specialist to report resistance.

## **TURFGRASS**

FLUDIOXONIL SC is a protectant fungicide for control of certain diseases of turfgrass.

FLUDIOXONIL SC provides control of brown patch, leaf spot, yellow patch, summer patch, anthracnose, gray leaf spot, bentgrass dead spot, and pink and gray snow mold when used in an integrated, preventive disease management program. For control of other diseases of turfgrass such as Pythium blight, and yellow tuft, use Subdue MAXX®.



1. Use FLUDIOXONIL SC as a foliar spray in an integrated, preventive disease management program alone or in combination with other fungicides such as Propiconazole, Mefenoxam, Metalaxyl, Chlorothalonil, or Azoxystrobin that labeled for use on turf.
2. Apply in sufficient water to ensure thorough coverage.
3. Apply after mowing.
4. For control of foliar diseases, allow sprayed area to completely dry before irrigation.
5. Under conditions optimum for high disease pressure, use the higher rate and the shorter interval.
6. For optimum turfgrass quality and disease control, use FLUDIOXONIL SC in conjunction with turfgrass management practices that promote good plant health and optimum disease control.
7. 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 is essential to determine the best control measures.

Notes: (1) To avoid possible illegal residues, do not graze animals on treated areas, and, (2) Do not feed clippings from treated areas to livestock or poultry. (3) Note: Do not apply more than 6 fluid ounces of fludioxonil per 1,000 sq. ft. per year on turfgrass.

**Turfgrass Disease Control With FLUDIOXONIL SC**

DISEASE	RATE PRODUCT/ 1,000 SQ.FT.	APPLICATION INTERVAL	INSTRUCTIONS
Brown Patch ( <i>Rhizoctonia solani</i> )	0.75 - 1.0 fl. oz.	7 days	Begin applications prior to disease development. For extended and more broad spectrum disease control (up to 21 days), tank-mix with labeled rates of Azoxystrobin.
	2.0 fl. oz.	14 days	
Brown Ring Patch ( <i>Waitea circinata</i> var. <i>circinata</i> ) Rhizoctonia Leaf and Sheath Spot ( <i>Waitea circinata</i> var. <i>zeae</i> ) ( <i>Rhizoctonia zeae</i> )	1.0 - 2.0 fl. oz.	7 - 14 days	Apply when conditions are favorable for disease development. For best control, use as a component of a preventive disease control program including Azoxystrobin and Propiconazole.
Bentgrass Dead Spot ( <i>Ophiosphaerella agrostis</i> )	1.15 - 2.0 fl. oz.	14 days	Begin applications prior to disease development. For more broad spectrum disease control, tank-mix FLUDIOXONIL SC with labeled rates of Propiconazole.
Anthracnose ( <i>Colletotrichum graminicola</i> )	1.0 - 2.0 fl. oz.	14 days	Begin applications prior to disease development. For best control, use as a component of a preventive disease control program including Chlorothalonil and Propiconazole.
Leaf Spot ( <i>Bipolaris</i> spp., <i>Drechslera</i> spp.)	1.0 - 2.0 fl. oz.	14 - 21 days	Apply when conditions are favorable for disease development.
Summer Patch ( <i>Magnaporthe poae</i> )	2.0 fl. oz.	14 days	Apply when conditions are favorable for disease development. For best disease control, tank-mix FLUDIOXONIL SC with labeled rates of Azoxystrobin 50WG.
Yellow Patch ( <i>Rhizoctonia/Ceratorhiza cerealis</i> )	2.0 fl. oz.	Spring/Fall	Apply when yellow patch rings are first observed in the spring or fall. A second application can be made 14 days later. For best disease control, tank-mix FLUDIOXONIL SC with labeled rates of Propiconazole.

(continued)

Turfgrass Disease Control With FLUDIOXONIL SC (cont.)

DISEASE	RATE PRODUCT/ 1,000 SQ.FT.	APPLICATION INTERVAL	INSTRUCTIONS
Snow Mold: Gray ( <i>Typhula incarnata</i> , <i>Typhula ishikariensis</i> ) Pink ( <i>Microdochium nivale</i> )	2.0 fl. oz.	Late Fall	Apply one to two applications in late fall before snow cover. Do not apply on top of snow. For best disease control, tank-mix with one to two registered snow mold products. For example, mix with a combination of Propiconazole, and Chlorothalonil or Concert®. FLUDIOXONIL SC at 1.0-1.15 fl. oz. rate can be used when tank mixing with Propiconazole and Chlorothalonil, when disease conditions are expected to be light to moderate.
Microdochium Patch, Fusarium patch ( <i>Microdochium nivale</i> , <i>Fusarium</i> spp.)	1.0 - 2.0 fl. oz.	7 - 14 days	For the control of microdochium patch without snow cover. Under heavy infestations combine with Propiconazole. Repeat applications can be made at 7- to 14-day intervals when conditions are favorable for disease development.
Gray Leaf Spot ( <i>Pyricularia grisea</i> )	1.0 - 2.0 fl. oz.	14 days	Apply when conditions are favorable for disease development. For best control, use as a component of a preventive disease control program.

ORNAMENTALS

(Not registered for use by California)

FLUDIOXONIL SC is a protectant fungicide for control of certain foliar, stem, and root diseases in ornamentals grown in interiorscapes, field nursery plantings, container nurseries, forest nurseries residential and commercial landscapes greenhouses, lath and shade houses or other enclosed structures.

Hawaii Use is limited to ornamentals grown in interiorscapes, greenhouses, lath and shade houses, containers, or other enclosed structures.

Nassau and Suffolk Counties, New York Use is limited to ornamentals grown in interiorscapes, greenhouses, lath and shade houses, containers, or other enclosed structures.

FLUDIOXONIL SC controls foliar diseases of ornamentals caused by *Rhizoctonia* spp, *Botrytis* spp, *Cercospora* spp, *Alternaria* spp, *Septoria* spp, and *Myrothecium* spp when applied on a regular schedule as a full coverage spray.

FLUDIOXONIL SC also will provide control of stem and root diseases caused by *Rhizoctonia* spp, *Fusarium* spp (e. g., *Foxysporum*), *Cylindrocladium* spp, *Sclerotium* spp, and *Thielaviopsis* spp, when mixed with the potting media or as a drench to the root zone of plants.

For control of stem and root diseases caused by *Pythium* spp and *Phytophthora* spp, tank mix FLUDIOXONIL SC with labeled rates of a labeled metalaxyl product. See mixing instructions for these tank mixes.

Maximum Use Rates

For indoor drench applications, use up to 113 fluid ounces of FLUDIOXONIL SC per 1000 sq. ft. per year or crop cycle. Applications to pre-potting mix can be made up to 15.4 fluid ounces of FLUDIOXONIL SC per cu. yd.

The high use rates specified for container nurseries, greenhouses, or other enclosed structures are due to the high organic matter soil mixes used in these systems and the high binding affinity of FLUDIOXONIL SC for organic matter.

For field grown and landscape ornamentals, apply up to a maximum of 5.75 fl. oz. of FLUDIOXONIL SC per 1000 sq ft /year. For outdoor container grown ornamentals, apply up to a maximum of 11.5 fl. oz. of FLUDIOXONIL SC per 1000 sq ft /year.

## Plant Species

FLUDIOXONIL SC has been tested and found to be safe on the ornamentals listed in this table at specified rates. For plants not listed in the table, see the NOTICE TO USER box at the bottom of the table. Numbers in parentheses refer to diseases controlled. See Table 1

African Violets (1-12)	Coreopsis* (1-12)	Petunia (1-12)
Ageratum (1-10)	Cyclamen (1-12)	Pittosporium (8-12)
Alyssum (1-12)	Daffodil (4, 9, 10)	Poinsettia (1, 4, 9-12)
Aster (1-12)	Dahlia* (1-12)	Portulaca* (1-12)
Azalea (4, 11, 12)	Daisy* (1-12)	Pothos (1-12)
Begonia (1-12)	Fern** (1-12)	Rose (1, 4, 9)
Bleeding Heart* (1-12)	Fuchsia* (1-4)	Salvia (1-12)
Bridal Veil* (1-12)	Gerbera Daisy (1-12)	Snapdragon (1-12)
Caladium (1-12)	Gomphrena (1-12)	Spathiphyllum (1-12)
Calendula (1-12)	Iris (4, 9, 10)	Sunflower* (1-12)
Carnation (1-12)	Lantana* (1-12)	Tobacco, Flowering* (1-12)
Celosia (1-12)	Lily (4, 9, 10)	Tulip (4, 9, 10)
Centrosa*(1-12)	Lysianthus (8-12)	Verbena (1-12)
Chenille* (1-12)	Marigold (1-12)	Vinca (1-12)
Christmas Cactus (1-12)	Mexican Heather* (1-7)	Wandering Jew* (1-12)
Chrysanthemums (1-12)	Nephtytis* (1-12)	Zinnia (1-12)
Coleus (1-12)	Pansy (1-12)	

\* Indicates that only foliar applications have been tested for plant safety

\*\*Do not apply FLUDIOXONIL SC to leather leaf fern

## NOTE:

- Drench or at seedling applications to Impatiens or New Guinea Impatiens may cause stunting and/or chlorosis.
- Foliar or drench applications to Geranium can cause stunting or chlorosis. Responses may vary depending on environmental conditions. FLUDIOXONIL SC should be tested on a limited area to evaluate for any possible damage before proceeding with treatment of the entire crop.

## NOTICE TO USER

Plant tolerance to FLUDIOXONIL SC has been found to be acceptable for the specific genera and species listed on this label. Due to the large number of species and varieties of ornamentals and nursery plants, it is impossible to test every one for tolerance to FLUDIOXONIL SC. Neither the Manufacturer nor the Seller has determined whether or not FLUDIOXONIL SC can be used safely on ornamental plants not specified on this label. The professional user should determine if FLUDIOXONIL SC can be used safely prior to commercial use. In a small area, test the required rates on a small number of plants for phototoxicity prior to widespread use.

TABLE 1: Diseases Controlled by FLUDIOXONIL SC

## Foliar Diseases

1. Aerial Blight (*Rhizoctonia* spp)
2. Alternaria Leaf Blight (*Alternaria* spp)
3. Alternaria Leaf Spot (*Alternaria* spp)
4. Botrytis Blight (*Botrytis* spp)
5. Cercospora Leaf Spot (*Cercospora* spp)

6. Myrothecium Leaf Spot and Blight (*Myrothecium* spp)

7. Septoria Leaf Spot (*Septoria* spp)

Stem, Crown, and Root Rots

8. Cylindrocladium Stem and Root Rot (*Cylindrocladium* spp)

9. Fusarium Stem and Root Rot (*Fusarium* spp)

10. Rhizoctonia Stem and Root Rot (*Rhizoctonia* spp)

11. Southern Blight (*Sclerotium rolfsii*)

12. Black Root Rot (*Thielaviopsis* spp)

Foliar Spray

For control of Rhizoctonia spp, Alternaria spp, Septoria spp, Myrothecium spp, and Cercospora spp, use 3.85 - 7.7 fl. oz. of FLUDIOXONIL SC per 100 gal. of water and spray to runoff at 7- to 14-day intervals while conditions are favorable for disease development.

For control of Botrytis spp use 7.7 - 15.4 fl. oz. of FLUDIOXONIL SC per 100 gal. of water and spray to runoff at 7- to 14-day intervals while conditions are favorable for disease development. For management of the potential development of resistance in the Botrytis population, use no more than two consecutive applications of FLUDIOXONIL SC before rotating to another effective product registered for Botrytis control on ornamentals with a different mode of action.

Notes:

(1) Under severe conditions, use the highest rate and/or the shortest application interval

(2) Use sufficient spray volume to wet the plants to the point of drip

(3) For a single foliar application, apply up to a maximum of 15.4 fl. oz. of FLUDIOXONIL SC per 100 gal.

Pre-Potting Growing Media Mix

FLUDIOXONIL SC can be mixed with the potting media before seeding or transplanting by uniformly mixing 3.85 - 7.7 fl. oz. of FLUDIOXONIL SC per cu. yd. of potting media. The desired amount of FLUDIOXONIL SC should be mixed with 0.50-1 gal of water and applied to 1 (one) cu. yd. of potting media. It is recommended that FLUDIOXONIL SC treatment should be made just before the plants are seeded or potted up. Uniform mixing can be accomplished by placing the potting mix in a rotating drum and spraying the FLUDIOXONIL SC solution onto the mix while the drum is rotating.

Growing Medium Drench

At Seeding

For the control of damping-off, root, and stem diseases mix 3.85 fl. oz. of FLUDIOXONIL SC per 100 gallons of water. When using FLUDIOXONIL SC for control of Rhizoctonia spp, apply sufficient mix to wet the upper one-half of the growing medium. For control of other root and stem diseases, completely drench the growing medium. Make only one application to the seeding crop prior to transplanting or transfer to larger containers.

Transplants and Cuttings

For the control of root and stem diseases, mix 3.85 - 7.7 fl. oz. of FLUDIOXONIL SC per 100 gallons of water. When using FLUDIOXONIL SC for control of Rhizoctonia spp, apply sufficient mix to wet the upper one-half of the growing medium. For control of other root and stem diseases, completely drench the growing medium. If needed, retreat transplants and cuttings with FLUDIOXONIL SC as described above at 21- to 28-day intervals. Two applications per year during conditions favorable for disease development are usually adequate to control diseases of ornamentals.

NOTES:

(1) Under severe conditions, use the highest rates and/or the shortest application interval

(2) For control of *Pythium* and *Phytophthora* diseases in addition to *Rhizoctonia* spp, *Cylindrocladium* spp, *Thielaviopsis* spp, *Fusarium* spp, and *Sclerotium* spp, tank mix FLUDIOXONIL SC with labeled rates of metalaxyl products

(3) Drench applications can be made at up to a maximum of 2.0 pints of drench mixture/sq ft to wet the root zone of plants.

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a cool, dry, secure place. Do not store this product under wet conditions

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess 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 HANDLING** [less than or equal to 5 gallons]: Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

**CONTAINER HANDLING** [greater than 5 gallons]: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the person refilling. To clean container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

**CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER.**

## ALMACENAMIENTO Y DESECHO

No contamine agua, comida ni forrajes mediante el almacenamiento y desecho.

**ALMACENAMIENTO DE PESTICIDAS:** Guárdelo en un lugar fresco, seco y seguro. No almacenar en condiciones húmedas.

**DESECHO DE PESTICIDAS:** Los residuos de pesticidas son muy peligrosos. La eliminación inadecuada del exceso de pesticida, mezcla de aspersión o enjuague es una violación de la ley federal. Si estos desechos no se pueden eliminar según las instrucciones de la etiqueta, comuníquese con su agencia estatal, de control ambiental o de pesticidas, o con el representante de desechos peligrosos en la oficina regional de la EPA más cercana para obtener orientación.

**MANIPULACIÓN DE RECIPIENTES** ( $\leq$  5 galones): Recipientes no recargables. No reutilice ni rellene este recipiente. Enjuague tres veces (o equivalente) inmediatamente después de vaciar. Enjuague tres veces de la siguiente manera: Vacíe el contenido restante en el equipo de aplicación o en un tanque de mezcla y drene durante 10 segundos después de que el flujo comience a gotear. Llene 1/4 del recipiente con agua y vuelva a tapar. Agitar durante 10 segundos. Vierta el enjuague en el equipo de aplicación o en un tanque de mezcla o almacene el enjuague para su uso o eliminación posterior. Drene durante 10 segundos después de que el flujo comience a gotear. Repita este procedimiento dos veces más. Una vez limpio, ofrezca el envase para ser reciclado o reacondicionado, o perforo y deseche en un relleno sanitario apropiado, o incineración.

**MANIPULACIÓN DE RECIPIENTES** ( $>$  5 galones): Contenedor recargable. Rellene este recipiente únicamente con pesticida. No reutilice este contenedor para ningún otro propósito. La limpieza del contenedor antes de su disposición final es responsabilidad de la persona que lo elimina. La limpieza antes de rellenar es responsabilidad de la persona que rellena. Para limpiar el contenedor antes de su eliminación final, vacíe el contenido restante de este contenedor en el equipo de aplicación o en el tanque de mezcla. Llene el recipiente aproximadamente al 10% con agua. Agite vigorosamente o haga recircular el agua con la bomba durante 2 minutos. Vierta o bombee el enjuague al equipo de aplicación o al sistema de recolección de enjuague. Repita este procedimiento dos veces más. Luego ofrecer para reciclaje o reacondicionamiento, o perforar y desechar en un vertedero sanitario, o mediante otros procedimientos aprobados por las autoridades estatales y locales.

**EL RECIPIENTE NO ES SEGURO PARA ALIMENTOS, PIENSOS O AGUA POTABLE.**

## CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Prime Source, a division of Albaugh, LLC, or Seller. To the extent permitted by applicable law, Buyer and User agree to hold Prime Source, a division of Albaugh, LLC and Seller harmless for any claims relating to such factors.

Prime Source, a division of Albaugh, LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Seller or Prime Source, a division of Albaugh, LLC, and, (2) Buyer and User assume the risk of any such use. TO THE EXTENT PERMITTED BY APPLICABLE LAW, PRIME SOURCE, A DIVISION OF ALBAUGH, LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.

To the extent permitted by applicable law, in no event shall Prime Source, a division of Albaugh, LLC be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF PRIME SOURCE, A DIVISION OF ALBAUGH, LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF PRIME SOURCE, A DIVISION OF ALBAUGH, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

Prime Source, a division of Albaugh, LLC and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of Prime Source, a division of Albaugh, LLC.