



U.S. ENVIRONMENTAL PROTECTION AGENCY  
 Office of Pesticide Programs  
 Registration Division (7505P)  
 1200 Pennsylvania Ave., N.W.  
 Washington, D.C. 20460

EPA Reg. Number:

91234-120

Date of Issuance:

9/16/19

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
 (under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

A374.02

Name and Address of Registrant (include ZIP Code):

Atticus, LLC  
 5000 CentreGreen Way, Suite 100  
 Cary, NC 27513

**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.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

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.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.
2. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, "EPA Reg. No. 91234-120."
3. Submit one copy of the revised final printed label for the record before you release the product for shipment.

Signature of Approving Official:

Erik Kraft, Product Manager 24  
 Fungicide Herbicide Branch, Registration Division (7505P)

Date:

9/16/19

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 01/23/2019

If you have any questions, please contact BeWanda Alexander by phone at (703)347-0313, or via email at [alexander.bewanda@epa.gov](mailto:alexander.bewanda@epa.gov).

Enclosure

[Note to reviewer: [Text] in brackets denotes optional or explanatory language  
[Note to reviewer: {Text} in braces denotes where in the final label text will appear  
{BOOKLET FRONT PANEL LANGUAGE}

SULFOSULFURON	GROUP 2	HERBICIDE
---------------	---------	-----------

# A374.02 [™]

[Alternate Brand Name: Sertay]

Contains sulfosulfuron, the active ingredient used in [Certainty®].

**A374.02 herbicide is a selective herbicide for control of annual and perennial grass and broadleaf weeds in highly managed turf, ornamental and native grass sites.**

ACTIVE INGREDIENT:	(% by weight)
Sulfosulfuron.....	75.0%
<b>OTHER INGREDIENTS:</b> .....	<b>25.0%</b>
<b>TOTAL</b> .....	<b>100.0%</b>

A374.02 herbicide is formulated as a water dispersible granule (WDG).

## KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See inside label booklet for First Aid, Precautionary Statements and Directions for Use.

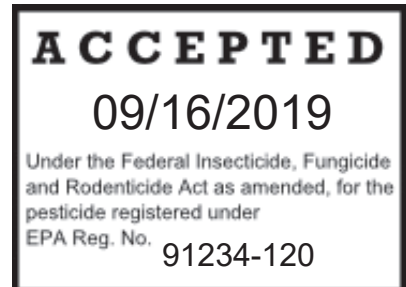
[A374.02™] is not manufactured, or distributed by Valent USA Corporation, seller of [Certainty®].

EPA Reg. No.: 91234-XX

EPA Est. No.:

Net Weight:

Manufactured for:  
**Atticus, LLC**  
5000 CentreGreen Way, Suite 100  
Cary, NC 27513



## {LANGUAGE INSIDE BOOKLET}

FIRST AID	
<b>If in eyes:</b>	<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>
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 SafetyCall at <b>1-844-685-9173</b> for emergency medical treatment information.	

**For Chemical Emergency:  
Spill, Leak, Fire, Exposure, or Accident,  
Call CHEMTREC Day or Night  
Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)**

## PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

KEEP OUT OF REACH OF CHILDREN

**CAUTION!**

CAUSES MODERATE EYE IRRITATION.

Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

### Personal Protective Equipment (PPE)

Applicators and other handlers must wear: long-sleeved shirt and long pants and shoes plus socks and protective eyewear.

Follow 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.

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.

### USER SAFETY RECOMMENDATIONS

#### Users should:

- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should 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

### Ground Water Advisory

This chemical has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

### Surface Water Advisory

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly raining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of sulfosulfuron from runoff water and sediment. Runoff of this product will be greatly reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. This product can only be used in accordance with the Directions for Use on this label. 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.

### Read the entire label before using this product.

Use only according to label instructions.

Not all products specified on this label are registered for use in California. Check the registration status of each product in California before using.

Read the "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

THIS IS AN END-USE PRODUCT. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ATTICUS, LLC DOES NOT INTEND AND HAS NOT REGISTERED IT FOR REFORMULATION OR REPACKAGING.

### 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
- Shoes plus socks
- Chemical-resistant gloves

### 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 (40 CFR Part 170) for agricultural pesticides. The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Keep people and pets off treated areas until spray solution has dried.

## PRODUCT INFORMATION

**Product Description:** This product is a postemergence, systemic herbicide with limited soil residual activity. It provides postemergence control of many annual and perennial sedges, grass and broad leaf weeds on highly

managed turf, sod farms and native grass sites. It is a selective herbicide that can be used over the top of many perennial warm-season and selected cool-season turfgrasses. Refer to the appropriate sections of this label for approved turf species.

**Use Sites:** This product may be used for weed control on highly managed turf and native grasses, landscaped areas and ornamental nurseries. This product may be applied to residential and commercial turf sites, including apartment complexes, athletic fields, cemeteries, golf course fairways, golf course roughs, golf course tees, and other golf course areas, hotel properties, nurseries, office complexes, parks, public areas, retail sites, storage facilities, school grounds, sod and turfgrass seed farms, and other highly managed turfgrass sites. This product is not for use on golf course putting greens.

**When to Spray:** Best results are obtained when target weeds are actively growing and not disturbed by mowing for at least 2 days before and 2 days after application.

**Time to Symptoms:** This product is absorbed by both the roots and the foliage of plants and rapidly inhibits the growth of susceptible weeds. Susceptible weed growth stops within 24 hours of treatment even though visual symptoms are slow to develop. Susceptible weeds usually show yellowing or browning within 2 to 3 weeks. Warm, moist conditions following application will accelerate herbicidal activity. Cold, dry conditions will delay herbicidal activity. Weeds stressed by drought are less susceptible to this product.

**Rainfastness:** Heavy rainfall or irrigation within 2 hours after application may wash this product off of the foliage and a repeat application may be required for adequate control.

**IMPORTANT: Avoid contact of this product with the roots or foliage of susceptible non-target vegetation as injury may occur. This includes areas where this product may be washed or moved into contact with roots of desirable vegetation.**

**Susceptible plants may be injured if seeded or transplanted into treated areas unless otherwise directed in this label.**

## WEED RESISTANCE MANAGEMENT

SULFOSULFURON	GROUP	2	HERBICIDE
---------------	-------	---	-----------

For resistance management, **A374.02** is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to **A374.02** and other Group 2 herbicides. The resistant biotypes may eventually dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance-management strategies should be followed.

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

- Rotate the use of **A374.02** or other Group 2 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage (or other mechanical control methods), cultural (e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled

by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.

- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes or to find out if suspected resistant weeds have been found in their region.
- For further information or to report lack of performance or suspected resistance, contact Atticus, LLC.

## MIXING

Thoroughly clean equipment prior to mixing spray solution.

Eliminate any risk of siphoning the contents of the spray or mixing tank back into the carrier source while mixing. Use approved anti-back-siphoning devices where required by State or local regulations.

### Mixing with Water

This product mixes readily with water. Mix spray solutions of this product as follows. Fill the spray tank with about three-fourths of the desired final volume. Add the labeled amount of this product. Continue the filling process while maintaining agitation. Add nonionic surfactant near the end of the filling process.

### Mixing for Hand-Held Sprayers

Hand-held sprayer applications must be made at a rate of 2 gallons of spray solution per 1000 square feet. Using the measuring scoop provided in the product packaging, follow the instructions below to prepare the proper spray solution.

#### Measuring Scoop Instructions

Using the **SMALL SCOOP** (0.16-gram scoop) provided, refer to the following table for the **Number of Scoops** of product required to achieve the **Desired Application Rate** when mixed in 2 gallons of water.

Desired Application Rate (ounces of product/acre)	Number of scoops (small scoop)	Mix volume (gallons of water)	Spray Rate (gallons/1000 ft <sup>2</sup> )
0.75	3	2.0	2
1.00	4	2.0	2
1.25	5	2.0	2

Using the **LARGE SCOOP** (0.8-gram scoop) provided, refer to the following table for the appropriate **Mix Volume** (gallons of water) required to achieve the **Desired Application Rate**.

Desired Application Rate (ounces of product/acre)	Number of scoops (large scoop)	Mix volume (gallons of water)	Spray Rate (gallons/1000 ft <sup>2</sup> )
0.75	1	3.3	2
1.00	1	2.5	2
1.25	1	2.0	2
2.0	2	2.5	2

Ensure that product is measured as a level scoop and is not rounded.

Add 2 teaspoons (1/3 fluid ounce) of nonionic surfactant per gallon of water.

#### **Tank-Mixing Procedure**

For tank mixtures, add individual components to the spray tank in the following sequence: water, water dispersible granules (this product), water-soluble bags, dry flowables, emulsifiable concentrates, drift control additive, water-soluble liquids, non ionic surfactants.

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

#### **Surfactants and Adjuvants**

Use a non ionic surfactant at 0.25 to 0.5 percent by volume (1 to 2 quarts per 100 gallons of spray solution). Use only nonionic surfactants that contain at least 90 percent active ingredient. **Do not use nonionic surfactants or other additives that alter the pH of the spray solution below pH 5. Use of surfactants that contain d'Limonene, methylated seed oil, or COC (crop oil concentrate) may cause temporary turf discoloration.**

#### **Colorants and Dyes**

Colorants or marking dyes may be added to spray solutions of this product; however, they can reduce product performance. Use colorants and dyes according to the manufacturer's specifications.

### **APPLICATION EQUIPMENT AND TECHNIQUES**

Apply spray solutions of this product with properly maintained and calibrated equipment capable of delivering desired volumes. **Do not** apply this product through any type of irrigation system.

#### **Equipment Cleaning**

Thoroughly clean application equipment with a 1-percent solution of ammonia (1 quart of ammonia for every 25 gallons of rinse water) promptly after using this product. Use a sufficient volume of cleaning solution to thoroughly rinse all surfaces and to flush all hoses. Rinse with water and repeat the cleaning procedure with the ammonia solution. Complete the cleaning procedure by rinsing thoroughly with clean water. If visible residue is present in the spray tank, use a 1-percent solution of ammonia plus 0.25 percent nonionic surfactant (8 fluid ounces per 25 gallons of water) as the cleaning solution.

#### **Restriction:**

**DO NOT** apply by air.

#### **MANDATORY SPRAY DRIFT**

##### **Ground Boom Applications:**

- Apply with the nozzle height recommended by the manufacturer, but no more than 3 feet above the ground or crop canopy unless making a turf, pasture, or rangeland application, in which case applicators may apply with a nozzle height no more than 4 feet above the ground.
- For applications prior to the emergence of crops and target weeds, applicators are required to use a Coarse or coarser droplet size (ASABE S572.1).
- For all other applications, applicators are required to use a Medium or coarser droplet size (ASABE S572.1).
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

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

- Applicators are required to use a Medium or coarser droplet size (ASABE S572.1) for all applications.



- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

### **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**

Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. 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.

### **NON-TARGET ORGANISM ADVISORY**

This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated area. Protect the forage and habitat of non-target organisms by minimizing spray drift. For further guidance and instructions on how to minimize spray drift, refer to the Spray Drift Management section of this label.

### **WINDBLOWN SOIL PARTICLES ADVISORY**

**A374.02** has the potential to move off-site due to wind erosion. Soils that are subject to wind erosion usually have a high silt and/or fine to very fine sand fractions and low organic matter content. Other factors which can affect the movement of windblown soil include the intensity and direction of prevailing winds, vegetative cover, site slope, rainfall, and drainage patterns. Avoid applying **A374.02** if prevailing local conditions may be expected to result in off-site movement.

### **WARM-SEASON TURFGRASSES**

This product has been shown to be safe for use on the established warm-season turfgrasses listed in this section.

Bermudagrass (common or hybrid)  
Bahia grass  
Buffalograss  
Centipedegrass  
Kikuyugrass  
St. Augustine grass  
Seashore paspalum  
Zoysiagrass

Use of this product may result in temporary chlorosis, and may affect the growth pattern or delay green-up of the desirable turf. St. Augustine grass and seashore paspalum may be more sensitive to this product than other grasses depending on environmental conditions, cultivar differences and other influential factors. For St. Augustine grass and seashore paspalum, test this product on a small area prior to wide-scale use to determine if this product is suitable for your management and cultural practices.

### **Sedge Control**

For the selective control of the weeds listed in this section, apply this product at 1.25 ounces (0.058 lb a.i.) per acre after weeds have reached the 3- to 8-leaf stage of growth. A sequential application of 1.25 ounces (0.058 lb a.i.) per acre may be made 4 or more weeks after the initial treatment, if needed.

### **Sedge Control - Restrictions:**

- **Maximum Annual Use Rate:** 2.5 ounces (0.117 lb a.i.) per acre per year
- **Single Max Use Rate:** 1.25 ounces (0.058 lb a.i.) per acre
- **Max Number of Applications/Year:** 2
- **RTI:** 4 weeks

### **Kyllinga, false green**

*Kyllinga gracilima*

### **Kyllinga, fragrant**

*Kyllinga sesquiflorus*

### **Kyllinga, green**

*Kyllinga brevifolia*

### **Nutsedge, purple**

*Cyperus rotundus*

### **Nutsedge, yellow**

*Cyperus esculentus*

**Sedge, globe**

*Cyperus croceus*

**Sedges, annual**

*Cyperus spp.*

**Tall Fescue (*Festuca arundinacea*) Control**

Best control of tall fescue is obtained when this product is applied at 1.25 ounces (0.058 lb a.i.) per acre followed by a second application of 1.25 ounces (0.058 lb a.i.) per acre at 21 to 28 days after the initial application. If a single application is preferred, apply this product at 2.0 ounces (0.093 lb a.i.) per acre.

**Tall Fescue Control - Restrictions:**

- **Maximum Annual Use Rate:** 2.5 ounces (0.117 lb a.i.) per acre per year
- **Single Max Use Rate:** 2.0 ounces (0.093 lb a.i.) per acre
- **Max Number of Applications/Year:** 2
- **RTI:** 21 days

**Dallisgrass (*Paspalum dilatatum*) Suppression in Bermudagrass**

The following application includes the use of MSMA. MSMA can cause injury to common and hybrid bermudagrass turf. Test the following tank-mix requirements on a small area prior to wide-scale use to determine if this application is suitable for your bermudagrass management objectives.

For suppression of dallisgrass in bermudagrass turf, apply this product, when dallisgrass is actively growing, at a rate of 1.25 ounces of product (0.058 lb a.i.) per acre in a tank mixture with 2 pounds of MSMA per acre and 0.25 percent by volume non-ionic surfactant (1 quart per 100 gallons of spray solution). Reapply this same tank mixture 2 to 4 weeks after initial application.

As an alternative program, apply MSMA at 2 pounds active ingredient per acre with 0.25 percent by volume non-ionic surfactant as an initial treatment, wait two weeks and apply 2.0 ounces of this product (0.093 lb a.i.) per acre. Wait an additional two weeks and apply MSMA again at 2 pounds active ingredient per acre with 0.25 percent by volume nonionic surfactant.

**Virginia Buttonweed (*Diodia virginiana*) Suppression**

For suppression of buttonweed apply this product at 1.25 ounces (0.058 lb a.i.) per acre. This application will provide suppression or partial control of buttonweed for 4 to 6 weeks.

For enhanced buttonweed control, tank-mix this product with a broad-leaf herbicide labeled for buttonweed control in the desired warm-season turfgrass. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

**Annual Bluegrass (*Poa annua*) Control in Non-Overseeded Turf**

For selective control of annual bluegrass (*Poa annua*), apply this product at 1.25 to 2.0 ounces (0.058 – 0.093 lb a.i.) per acre. Use the higher rate of this product for control in areas of established, dense weed infestation.

Best results are obtained when weeds are in the early stage of growth and prior to tillering.

IN DORMANT BERMUDAGRASS ONLY, tank mixtures of this product with Roundup PRO® (EPA Reg. No. 524-529, glyphosate-isopropylammonium) or Roundup QuikPRO® (EPA Reg. No. 524-535, diquat dibromide + glyphosate, ammonium salt) herbicides may be used to increase the spectrum of vegetation controlled. Read and follow the label directions, precautionary statements and all other label information on Roundup PRO (EPA Reg. No. 524-529, glyphosate-isopropylammonium) or Roundup QuikPRO (EPA Reg. No. 524-535, diquat dibromide + glyphosate,

ammonium salt) herbicides. Refer to the Roundup PRO (EPA Reg. No. 524-529, glyphosate-isopropylammonium) or Roundup QuikPRO (EPA Reg. No. 524-535, diquat dibromide + glyphosate, ammonium salt) product labels for approved application rates. Always apply tank mixtures according to the most restrictive precautionary statements of the products being used.

#### **Annual Bluegrass (*Poa annua*) Control Prior to Overseeding Turf with Perennial Ryegrass**

Apply this product at 2.0 ounces (0.093 lb a.i.) per acre to control *Poa annua* prior to overseeding warm-season turf with perennial ryegrass. Begin applications after *Poa annua* germination and 7 to 10 days prior to overseeding.

#### **Transition of Overseeded Perennial Ryegrass (*Lolium perenne*)**

Best results are obtained by applying this product at 1.25 ounces (0.058 lb a.i.) per acre followed by a second application of 1.25 ounces (0.058 lb a.i.) per acre at 21 to 28 days after the initial application when daily temperatures are expected to exceed 80° F during the treatment period. If a single application is preferred, apply this product at 2.0 ounces (0.093 lb a.i.) per acre.

#### **Transition of Overseeded Perennial Ryegrass - Restrictions:**

- **Maximum Annual Use Rate:** 2.5 ounces (0.117 lb a.i.) per acre per year
- **Single Max Use Rate:** 2.0 ounces (0.093 lb a.i.) per acre
- **Max Number of Applications/Year:** 2
- **RTI:** 21 days

#### **Rescuegrass (*Bromus catharticus*) Control**

For selective control of rescuegrass apply this product at 0.75 ounces (0.035 lb a.i.) per acre followed by a second application of 0.75 ounces (0.035 lb a.i.) per acre at 4 to 10 weeks after the initial treatment. For best results, apply the initial treatment of this product in the fall or early winter when rescuegrass has germinated and is visible in the dormant turfgrass. Applications must be made when rescuegrass is actively growing and at the 2 to 4 leaf stage, but prior to tillering. If a single application is preferred, apply this product at 1.5 ounces (0.07 lb a.i.) per acre.

#### **Rescuegrass Control - Restrictions:**

- **Maximum Annual Use Rate:** 1.5 ounces (0.07 lb a.i.) per acre per year
- **Single Max Use Rate:** 1.5 ounces (0.07 lb a.i.) per acre
- **Max Number of Applications/Year:** 2 when using reduced rates
- **RTI:** 4 weeks

Where atrazine can be used in warm-season turfgrass apply this product at 1.0 ounce (.046 lb a.i.) per acre plus atrazine at 0.5 pounds active ingredients per acre. This treatment will provide both postemergence and residual control of rescuegrass.

#### **Additional Weeds Controlled**

For selective control or suppression of annual or perennial weeds listed in this section, apply this product at 1.25 to 2.0 ounces (0.058 - 0.093 lb a.i.) per acre. Use the higher rate of this product for control in areas of established, dense weed infestation. If using an initial rate of application of 1.25 ounces (0.058 lb a.i.) per acre, a second application of 1.25 (0.058 lb a.i.) ounces per acre may be made 4 or more weeks after the initial treatment, if needed.

#### **Additional Weeds Controlled - Restrictions:**

- **Maximum Annual Use Rate:** 2.5 ounces (0.117 lb a.i.) per acre per year.
- **Single Max Use Rate:** 2.0 ounces (0.093 lb a.i.) per acre
- **Max Number of Applications/Year:** 2
- **RTI:** 4 weeks

**Barley, little**  
*Hordeum pusillum*

**Bedstraw, catchweed**  
*Galium aparine*

**Beggarweed, Florida<sup>1\*</sup>**  
*Desmodium torluosum*

**Bentgrass, creeping<sup>1\*</sup>**  
*Agrostis stolonifera*

**Bluegrass, bulbous**  
*Poa bulbosa*

**Bluegrass, roughstalk**  
*Poa trivialis*

**Burweed, lawn**  
*Soliva pterosperma*

**Buttercup**  
*Ranunculus arvensis*

**Chamber bitter\***  
*Phyllanthus urinaria*

**Chickweed, common**  
*Stellaria media*

**Clover, white**  
*Trifolium repens*

**Crowfootgrass**  
*Dactyloctenium aegyptium*

**Dandelion**  
*Taraxacum officinale*

**Dichondra, Carolina\***  
*Dichondra carolinensis*

**Garlic, wild**  
*Allium vineale*

**Geranium, Carolina<sup>1</sup>**  
*Geranium carolinianum*

**Henbit<sup>1</sup>**  
*Lamium amplexicaule*

**Ivy, ground<sup>1</sup>**  
*Glechoma hederacea*

**Johnsongrass**  
*Sorghum halepense*

**Mustard, wild**  
*Sinapis arvensis*

**Pennycress, field**  
*Thlaspi arvense*

**Pennywort, lawn<sup>1</sup> (dollarweed)**  
*Hydrocotyle bowlesioides*

**Quackgrass<sup>1</sup>**  
*Elytrigia repens*

**Ryegrass, perennial**  
*Lolium perenne*

**Shepherd's-purse**  
*Capsella bursa-pastoris*

**Violet, wild<sup>1\*</sup>**  
*Viola nephrophylla*

### **Woodsorrell, yellow\***

*Oxalis stricta*

<sup>1</sup>Suppression or partial control only

[\*] [NOT FOR USE IN CALIFORNIA]

### **COOL-SEASON TURFGRASSES[\*]**

[\*][ NOT FOR USE IN CALIFORNIA]

[Specifications in this section are not intended for use in residential turf.]

This product is for use on creeping bentgrass, Kentucky bluegrass and Kentucky bluegrass mixtures with perennial ryegrass and/or fine fescues.

On cool-season turfgrass, apply this product only when turfgrass is actively growing and mowing is required. Applications made in the fall after temperatures have decreased and regular mowing is no longer required may have an increased potential to cause turf injury and may delay spring green-up.

Use of this product may result in temporary chlorosis and discoloration, and may temporarily affect the growth pattern of the desirable turf. These symptoms generally appear 7 to 10 days after application and are typically gone within 21 to 28 days. Turf response is more pronounced under extreme environmental conditions. Perennial ryegrass, fine fescues and creeping bentgrass are more sensitive to this product. If undesirable turf response occurs, skip or delay additional applications to allow turf to recover to a desirable quality. Over-application may result in severe turf injury, thinning or loss of turfgrass stands. Test this product on a small area prior to wide-scale use to determine if this product is suitable for your turf management and cultural practices.

#### **Weed Control in Established Creeping Bentgrass**

For use in established creeping bentgrass on golf course fairways, roughs, approaches and tees.

#### **Roughstalk Bluegrass (*Poa trivialis*) Control**

For suppression, apply 0.25 ounce of this product (0.011 lb a.i.) per acre. For control, up to two additional applications of 0.25 ounce of this product (0.011 lb a.i.) per acre at 14- to 21-day intervals may be made. Make all applications between June 1 and September 15.

For severe *Poa trivialis* infestations, apply a single application of 0.75 ounce (0.035 lb a.i.) per acre of this product in late summer, 21 to 28 days prior to overseeding creeping bentgrass in a renovation approach. This treatment will result in temporary chlorosis and discoloration, and will temporarily affect the growth pattern of the desirable turf.

As *Poa trivialis* is controlled, bare patches may occur in the turf. Creeping bentgrass can be sodded or slit-seeded into the treated area beginning 14 days after the last application of this product in order to minimize regrowth of *Poa trivialis* and to maintain overall turf quality.

#### **Roughstalk Bluegrass Control - Restrictions:**

- **Maximum Annual Use Rate:** 0.75 ounces (0.035 lb a.i.) per acre per year
- **Single Max Use Rate:** 0.75 ounces (0.035 lb a.i.) per acre
- **Max Number of Applications/Year:** 3 when using reduced rates
- **RTI:** 14 days

#### **Weed Control in Kentucky Bluegrass**

Weed control specifications in this section are for use ONLY on established pure stands of Kentucky bluegrass.

#### **Sedge Control**

For the selective control of the weeds listed in this section, apply this product at 0.75 ounce (0.035 lb a.i.) per acre after weeds have reached the 3- to 8-leaf stage of growth. A sequential application of 0.75 ounce (0.035 lb a.i.) per acre may be made 4 or more weeks after the initial treatment, if needed.

**Sedge Control - Restrictions:**

- **Maximum Annual Use Rate:** 1.5 ounces (0.07 lb a.i.) per acre per year
- **Single Max Use Rate:** 0.75 ounces (0.035 lb a.i.) per acre
- **Max Number of Applications/Year:** 2
- **RTI:** 4 weeks

**Kyllinga, green**

*Kyllinga brevifolia*

**Nutsedge, purple**

*Cyperus rotundus*

**Nutsedge, yellow**

*Cyperus esculentus*

**Sedge, globe**

*Cyperus croceus*

**Sedges, annual**

*Cyperus* spp.

**Roughstalk Bluegrass (*Poa trivialis*) Control**

Apply this product at 0.5 ounce (0.023 lb a.i.) per acre followed by a second application of 0.5 ounce (0.023 lb a.i.) per acre at 21 to 28 days after the initial application. If a single application is preferred, apply this product at 0.75 ounce (0.035 lb a.i.) per acre.

**Roughstalk Bluegrass Control - Restrictions:**

- **Maximum Annual Use Rate:** 1 ounce (.046 lb a.i.) per acre per year
- **Single Max Use Rate:** 0.75 ounces (0.035 lb a.i.) per acre
- **Max Number of Applications/Year:** 2 when using reduced rates
- **RTI:** 4 weeks

As *Poa trivialis* is controlled, bare patches may occur in the turf. Kentucky bluegrass can be sodded or slit-seeded into the treated area beginning 14 days after the last application of this product in order to minimize regrowth of *Poa trivialis* and to maintain overall turf quality.

**Tall Fescue Control**

Apply this product at 0.75 ounce (0.035 lb a.i.) per acre followed by a second application of 0.75 ounce (0.035 lb a.i.) per acre at 21 to 28 days after the initial application.

**Tall Fescue Control - Restrictions:**

- **Maximum Annual Use Rate:** 1.5 ounces (.07 lb a.i.) per acre per year
- **Single Max Use Rate:** 0.75 ounces (0.035 lb a.i.) per acre
- **Max Number of Applications/Year:** 2
- **RTI:** 21 days

**Additional Weeds Controlled**

For selective control or suppression of annual or perennial weeds listed in this section, apply this product at 0.75 ounce (0.035 lb a.i.) per acre. A sequential application of 0.75 ounce (0.035 lb a.i.) per acre may be made 4 or more weeks after the initial treatment, if needed.

**Additional Weeds Controlled - Restrictions:**

- **Maximum Annual Use Rate:** 1.5 ounces (.07 lb a.i.) per acre per year
- **Single Max Use Rate:** 0.75 ounces (0.035 lb a.i.) per acre
- **Max Number of Applications/Year:** 2

- RTI: 4 weeks

**Barley, little**

*Hordeum pusillum*

**Bedstraw, catchweed**

*Galium aparine*

**Bluegrass, annual**

*Poa annua*

**Bluegrass, bulbous**

*Poa bulbosa*

**Burweed, lawn**

*Soliva pterosperma*

**Buttercup**

*Ranunculus arvensis*

**Chamber bitter**

*Phyllanthus urinaria*

**Chamomile, mayweed**

*Anthemus cotula*

**Chickweed, common**

*Stellaria media*

**Clover, white**

*Trifolium repens*

**Dandelion**

*Taraxacum officinale*

**Garlic, wild<sup>1</sup>**

*Allium vineale*

**Henbit<sup>1</sup>**

*Lamium amplexicaule*

**Ivy, ground<sup>1</sup>**

*Glechoma hederacea*

**Johnsongrass**

*Sorghum halepense*

**Mustard, tumble**

*Sisymbrium altissimum*

**Mustard, wild**

*Sinapis arvensis*

**Pennycress, field**

*Thlaspi arvense*

**Quackgrass<sup>1</sup>**

*Elytrigia repens*

**Shepherd's-purse**

*Capsella bursa-pastoris*

**Violet, wild**

*Viola nephrophylla*

**Woodsorrell, yellow**

*Oxalis stricta*

<sup>1</sup>Suppression or partial control only

**Weed Control in Mixed Stands of Kentucky Bluegrass**

This product is specified for use only on established stands of Kentucky bluegrass that include perennial ryegrass and/or fine fescues.



Avoid application of this product on stands with a high percentage of perennial ryegrass or fine fescue.

Perennial ryegrass and fine fescues are more sensitive to this product, therefore, as the percentage of these grasses increase in the mix, occurrence of undesirable turf response will also increase. If undesirable turf response occurs, skip or delay additional applications to allow turf to recover to a desirable quality.

Over-application may result in severe turf injury, thinning or loss of turfgrass stands.

#### **Sedge Suppression**

For the selective suppression of the weeds listed below apply this product at 0.5 ounce (0.023 lb a.i.) per acre after weeds have reached the 3- to 8-leaf stage of growth. A sequential application of 0.5 ounce (0.023 lb a.i.) per acre may be made 28 or more days after the initial treatment, if needed.

#### **Sedge Suppression - Restrictions:**

- **Maximum Annual Use Rate:** 1 ounce (0.046 lb a.i.) per acre per year
- **Single Max Use Rate:** 0.5 ounces (0.023 lb a.i.) per acre
- **Max Number of Applications/Year:** 2
- **RTI:** 28 days

[Alternatively, for suppression of the weeds listed below, apply 0.25 ounce of this product (0.011 lb a.i.) per acre. For additional control, up to three additional applications of 0.25 ounce of this product (0.011 lb a.i.) per acre at 28-day intervals may be made, if needed.]

#### **Nutsedge, purple**

*Cyperus rotundus*

#### **Nutsedge, yellow**

*Cyperus esculentus*

#### **Sedge, globe**

*Cyperus croceus*

#### **Sedges, annual**

*Cyperus spp.*

#### **Roughstalk Bluegrass (*Poa trivialis*) Control**

For suppression, apply 0.25 ounce of this product (0.011 lb a.i.) per acre. For control, up to two additional applications of 0.25 ounce of this product (0.011 lb a.i.) per acre at 14- to 21-day intervals may be made. Make all applications between June 1 and September 15.

#### **Roughstalk Bluegrass Control - Restrictions:**

- **Maximum Annual Use Rate:** 0.75 ounces (.035 lb a.i.) per acre per year
- **Single Max Use Rate:** 0.25 ounces (0.011 lb a.i.) per acre
- **Max Number of Applications/Year:** 3
- **RTI:** 14 days

For severe *Poa trivialis* infestations, apply a single application of 0.5 ounce (0.023 lb a.i.) per acre of this product in late summer, 21 to 28 days prior to overseeding turfgrass in a renovation approach.

As *Poa trivialis* is controlled, bare patches may occur in the turf. Kentucky bluegrass, perennial ryegrass or fine fescues can be sodded or slit-seeded into the treated area beginning 14 days after the last application of this product in order to minimize regrowth of *Poa trivialis* and to maintain overall turf quality.

#### **Additional Weeds Controlled**

For selective control or suppression of annual or perennial weeds listed in this section, apply this product at 0.5 ounce (0.023 lb a.i.) per acre. A sequential application of 0.5 ounce (0.023 lb a.i.) per acre may be made 4 or more weeks after the initial treatment, if needed.

**Additional Weeds Controlled - Restrictions:**

- **Maximum Annual Use Rate:** 1 ounce (0.046 lb a.i.) per acre per year
- **Single Max Use Rate:** 0.5 ounces (0.023 lb a.i.) per acre
- **Max Number of Applications/Year:** 2
- **RTI:** 4 weeks

[Alternatively, for suppression of the weeds listed in this section, apply 0.25 ounce of this product (0.011 lb a.i.) per acre. For additional control, up to three additional applications of 0.25 ounce of this product (0.011 lb a.i.) per acre at 28-day intervals may be made, if needed.

**Additional Weeds (Suppression and Additional Control - Restrictions:**

- **Maximum Annual Use Rate:** 1 ounce (0.046 lb a.i.) per acre per year
- **Single Max Use Rate:** 0.25 ounces (0.011 lb a.i.) per acre
- **Max Number of Applications/Year:** 4
- **RTI:** 28 days]

**Bedstraw, catchweed<sup>1</sup>**

*Galium aparine*

**Bluegrass, annual<sup>1</sup>**

*Poa annua*

**Bluegrass, bulbous<sup>1</sup>**

*Poa bulbosa*

**Chamber bitter<sup>1</sup>**

*Phyllanthus urinaria*

**Chamomile, mayweed<sup>1</sup>**

*Anthemis cotula*

**Chickweed, common**

*Stellaria media*

**Clover, white<sup>1</sup>**

*Trifolium repens*

**Dandelion<sup>1</sup>**

*Taraxacum officinale*

**Fescue, tall<sup>1</sup>**

*Festuca arundinacea*

**Garlic, wild<sup>1</sup>**

*Allium vineale*

**Henbit<sup>1</sup>**

*Lamium amplexicaule*

**Ivy, ground<sup>1</sup>**

*Glechoma hederacea*

**Johnsongrass<sup>1</sup>**

*Sorghum halepense*

**Mustard, tumble**

*Sisymbrium altissimum*

**Mustard, wild**

*Sinapis arvensis*

**Pennycress, field**

*Thlaspi arvense*

**Quackgrass<sup>1</sup>***Elytrigia repens***Shepherd's-purse***Capsella bursa-pastoris***Woodsorrell, yellow<sup>1</sup>***Oxalis stricta*<sup>1</sup>Suppression or partial control only**ORNAMENTALS**

This product is for use in woody ornamentals, perennial groundcovers and warm-season ornamental grasses.

For selective control or suppression of weeds listed in this section, apply this product at 1.25 ounces (0.058 lb a.i.) per acre. A second application of 1.25 ounces (0.058 lb a.i.) per acre may be made 4 or more weeks after the initial treatment, if needed. Best results are obtained when target weeds are actively growing and not disturbed by mowing for at least 2 days before and 2 days after application.

[This product is for use in established woody ornamentals, perennial groundcovers and warm-season ornamental grasses growing in landscaped areas or field production nurseries. **Do not** apply this product to container plants or production beds of potted plants. For selective control or suppression of weeds listed in this section, apply this product at 1.25 ounces (0.058 lb a.i.) per acre. A second application of 1.25 ounces (0.058 lb a.i.) per acre may be made 4 or more weeks after the initial treatment, if needed. Best results are obtained when target weeds are actively growing and not disturbed by mowing for at least 2 days before and 2 days after application.]

[This product may be applied at rates as a post-directed spray around any established warm-season ornamental grass or established woody ornamental species in landscaped areas. Avoid contact of this product with leaves of desirable plants as foliar injury, discoloration or loss of the plant may result.]

**Restrictions:**

- **Maximum Annual Use Rate:** 2.5 ounces (0.117 lb a.i.) per acre per year
- **Single Max Use Rate:** 1.25 ounces (0.058 lb a.i.) per acre
- **Max Number of Applications/Year:** 2
- **RTI:** 4 weeks

**Barley, little***Hordeum pusillum***Bedstraw, catchweed***Galium aparine***Bluegrass, annual***Poa annua***Bluegrass, bulbous***Poa bulbosa***Bluegrass, roughstalk***Poa trivialis***Burweed, lawn***Soliva pterosperma***Buttercup***Ranunculus arvensis***Chickweed, common***Stellaria media***Clover, white***Trifolium repens***Crowfootgrass**

*Dactyloctenium aegyptium*  
**Dandelion**  
*Taraxacum officinale*  
**Fescue, tall**  
*Festuca arundinacea*  
**Garlic, wild**  
*Allium vineale*  
**Geranium, Carolina<sup>1</sup>**  
*Geranium carolinianum*  
**Henbit<sup>1</sup>**  
*Lamium amplexicaule*  
**Ivy, ground<sup>1</sup>**  
*Glechoma hederacea*  
**Johnsongrass**  
*Sorghum halepense*  
**Kyllinga, false green**  
*Kyllinga gracilima*  
**Kyllinga, fragrant**  
*Kyllinga sesquiflorus*  
**Kyllinga, green**  
*Kyllinga brevifolia*  
**Mustard, wild**  
*Sinapis arvensis*  
**Nutsedge, purple**  
*Cyperus rotundus*  
**Nutsedge, yellow**  
*Cyperus esculentus*  
**Pennycress, field**  
*Thlaspi arvense*  
**Pennywort, lawn<sup>1</sup> (dollarweed)**  
*Hydrocotyle bowlesioides*  
**Quackgrass<sup>1</sup>**  
*Elytrigia repens*  
**Ryegrass, perennial**  
*Lolium perenne*  
**Sedge, globe**  
*Cyperus croceus*  
**Sedges, annual**  
*Cyperus spp.*  
**Shepherd's-purse**  
*Capsella bursa-pastoris*

<sup>1</sup>Suppression or partial control only

#### **Directed-spray Applications**

This product may be applied as a post-directed spray around any established warm-season ornamental grass or established woody ornamental species in landscaped areas or field production nurseries. Avoid contact of this product with leaves of desirable plants as foliar injury, discoloration or loss of the plant may result.

#### **Over-the-top Applications**

This product may be applied as an over-the-top application on the ornamental and groundcover species listed below:

**American Arborvitae**

*Thuja occidentalis*

**Azalea, Dwarf**

*Rhododendron atlanticum*

**Bougainvillea<sup>2</sup>**

*Bougainvillea glabra*

**Boxwood, Green Velvet**

*Buxus 'Green Velvet'*

**Euonymus, Wintercreeper**

*Euonymus fortunei*

**Gardenia**

*Gardenia jasminoides*

**Holly, Blue**

*Ilex x meserveae*

**Holly, Chinese**

*Ilex cornuta*

**Jasmine, Asiatic**

*Trachelospermum asiaticum*

**Jasmine, Star**

*Trachelospermum jasminoides*

**Juniper, Chinese**

*Juniperus chinensis*

**Juniper, Creeping**

*Juniperus horizontalis*

**Juniper, Shore**

*Juniperus conferta*

**Lilac**

*Syringa vulgaris*

**Mockorange, Japanese**

*Pittosporum tobira*

**Mondo Grass**

*Ophiopogon japonicus*

**Monkey Grass, Big Blue**

*Liriope muscari 'Big Blue'*

**Monkey Grass, Variegated**

*Liriope muscari 'Variegata'*

**Ninebark**

*Physocarpus opulifolius*

**Oleander**

*Nerium oleander*

**Periwinkle, Greater**

*Vinca major*

**Photinia, Fraser**

*Photinia x fraseri*

**Pine, Mugo**

*Pinus mugo*

**Rhododendron**

*Rhododendron spp.*

**Rosemary**

*Rosmarinus officinalis*

**Spirea, Goldmound**

*Spirea x 'Goldmound'*

<sup>2</sup>Single application only

### **Preplant Applications**

This product may be applied prior to planting the ornamental species listed below. Wait 14 days after the last application of this product before planting.

#### **Boxwood, Green Velvet**

*Buxus 'Green Velvet'*

#### **Boxwood, Green Mountain**

*Buxus 'Green Mountain'*

#### **Burning Bush, Dwarf**

*Euonymus alatus 'Compacta'*

#### **Euonymus, Wintercreeper**

*Euonymus fortunei*

#### **Forsythia**

*Forsythia x intermedia*

#### **Holly, Blue**

*Ilex x meserveae*

#### **Hydrangea, Panicked**

*Hydrangea paniculata*

#### **Ivy, English**

*Hedera helix*

#### **Jasmine, Winter**

*Jasminum nudiflorum*

#### **Juniper, Chinese**

*Juniperus chinensis*

#### **Juniper, Creeping**

*Juniperus horizontalis*

#### **Lilac, Dwarf Korean**

*Syringa meyeri 'Palibin'*

#### **Pine, Mugo**

*Pinus mugo*

#### **Privet, Golden**

*Ligustrum X vicaryi*

#### **Redbud**

*Cercis canadensis*

#### **Rhododendron**

*Rhododendron spp.*

#### **Serviceberry**

*Amelanchier alnifolia*

#### **Viburnum, American Cranberrybush**

*Viburnum trilobum*

#### **Viburnum, Prague**

*Viburnum x pragense*

#### **Weigela**

*Weigela florida*

### **NATIVE GRASSES**

This product generally has been shown to be safe for use on the warm-season native grasses listed in this section.

#### **Big bluestem**

*Andropogon gerardii*

**Little bluestem**

*Schizachyrium scoparium*

**Bushy bluestem**

*Andropogon glomeratus*

**Blue grama**

*Bouteloua gracilis*

**Buffalograss**

*Bouteloua dactyloides*

**Indiangrass**

*Sorghastrum nutans*

**Lovegrass**

*Eragrostis curvula*

**Switchgrass**

*Panicum virgatum*

Use of this product may result in temporary chlorosis or temporarily affect the growth pattern of these native grasses. If discoloration or excessive thinning of the native grasses occurs, skip or delay additional applications to allow the native grasses to recover to a desirable quality.

Test this product on a small area prior to wide-scale use to determine if this product is suitable for your management and cultural practices.

**Sedge Control**

For the selective control of the weeds listed in this section, apply this product at 1.25 ounces (0.058 lb a.i.) per acre after weeds have reached the 3- to 8-leaf stage of growth. A sequential application of 1 .25 ounces (0.058 lb a.i.) per acre may be made 4 or more weeks after the initial treatment, if needed.

**Sedge Control - Restrictions:**

- **Maximum Annual Use Rate:** 2.5 ounces (0.117 lb a.i.) per acre per year acre
- **Single Max Use Rate:** 1.25 ounces (0.058 lb a.i.) per acre
- **Max Number of Applications/Year:** 2
- **RTI:** 4 weeks

**Kyllinga, false green**

*Kyllinga gracilima*

**Kyllinga, fragrant**

*Kyllinga sesquiflorus*

**Kyllinga, green**

*Kyllinga brevifolia*

**Nutsedge, purple**

*Cyperus rotundus*

**Nutsedge, yellow**

*Cyperus esculentus*

**Sedge, globe**

*Cyperus croceus*

**Sedges, annual**

*Cyperus spp.*

**Tall Fescue (*Festuca arundinacea*) Control**

Best control of tall fescue is obtained when this product is applied at 1.25 ounces (0.058 lb a.i.) per acre followed by a second application of 1.25 ounces (0.058 lb a.i.) per acre at 21 to 28 days after the initial application. If a single application is preferred, apply this product at 2.0 ounces (0.093 lb a.i.) per acre.

**Tall Fescue Control - Restrictions:**

- **Maximum Annual Use Rate:** 2.5 ounces (0.117 lb a.i.) per acre per year
- **Single Max Use Rate:** 1.25 ounces (0.058 lb a.i.) per acre
- **Max Number of Applications/Year:** 2
- **RTI:** 21 days

**Additional Weeds Controlled**

For selective control or suppression of annual or perennial weeds listed in this section, apply this product at 1.25 ounces (0.058 lb a.i.) per acre. A sequential application of 1.25 ounces (0.058 lb a.i.) per acre may be made 4 or more weeks after the initial treatment, if needed.

**Additional Weeds Controlled - Restrictions:**

- **Maximum Annual Use Rate:** 2.5 ounces (0.117 lb a.i.) per acre per year
- **Single Max Use Rate:** 1.25 ounces (0.058 lb a.i.) per acre
- **Max Number of Applications/Year:** 2
- **RTI:** 4 weeks

**Barley, little**

*Hordeum pusiflum*

**Bedstraw, catchweed**

*Galium aparine*

**Beggarweed, Florida<sup>1\*</sup>**

*Desmodium tortuosum*

**Bentgrass, creeping\***

*Agrostis stolonifera*

**Bluegrass, annual<sup>1</sup>**

*Poa annua*

**Bluegrass, roughstalk**

*Poa trivialis*

**Bluegrass, bulbous**

*Poa bulbosa*

**Burweed, lawn**

*Soliva pterosperma*

**Buttercup**

*Ranunculus arvensis*

**Buttonweed, Virginia<sup>1</sup>**

*Diodia virginiana*

**Chamber bitter\***

*Phyllanthus urinaria*

**Chickweed, common**

*Stellaria media*

**Clover, white**

*Trifolium repens*

**Crowfootgrass**

*Dactyloctenium aegyptium*

**Dallisgrass<sup>1</sup>**

*Paspalum dilatatum*

**Dandelion**



*Taraxacum officinale*  
**Dichondra, Carolina\***  
*Dichondra carolinensis*  
**Garlic, wild**  
*Allium vineale*  
**Geranium, Carolina<sup>1</sup>**  
*Geranium carolinianum*  
**Henbit<sup>1</sup>**  
*Lamium amplexicaule*  
**Ivy, ground**  
*Glechoma hederacea*  
**Johnsongrass**  
*Sorghum halepense*  
**Mustard, wild**  
*Sinapis arvensis*  
**Pennycress, field**  
*Thlaspi arvense*  
**Quackgrass<sup>1</sup>**  
*Elytrigia repens*  
**Ryegrass, perennial**  
*Lolium perenne*  
**Shepherd's-purse**  
*Capsella bursa-pastoris*  
**Violet, wild<sup>1\*</sup>**  
*Viola nephrophylla*  
**Woodsorrell, yellow\***  
*Oxalis stricta*

<sup>1</sup>Suppression or partial control only

[\*][NOT FOR USE IN CALIFORNIA]

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, preferably in a locked storage area.

**PESTICIDE DISPOSAL:** Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the use 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 HANDLING:

**[Bag:** Nonrefillable outer bag. Do not reuse or refill the outer bag. Completely empty bag into application equipment. Then 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.]

**[Plastic Container:** Nonrefillable 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. Fill the container ¼ 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, or by other procedures allowed by state and local authorities.]

## LIMITATION OF WARRANTY AND LIABILITY

**IMPORTANT: READ BEFORE USE.** Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If these terms and conditions are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Disclaimer of Warranties and Limitations of Liability. **CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, injury, and other unintended consequences may result because of such factors as manner of use or application (including misuse), the presence of other materials, weather conditions, and other unknown factors, all of which are beyond the control of ATTICUS, LLC. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, ATTICUS, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label. **LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, neither ATTICUS, LLC the manufacturer, nor the Seller shall be liable for any indirect, special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

[A374.02™] is a trademark of Atticus, LLC

[Certainty®] is a registered trademark of Valent USA Corporation.

Roundup PRO® and QuikPRO® are registered trademarks of Monsanto Technology LLC.

**{LANGUAGE ON LABEL AFFIXED TO CONTAINER}**

SULFOSULFURON	GROUP	2	HERBICIDE
---------------	-------	---	-----------

**A374.02™**

[Alternate Brand Name: Sertay]

Contains sulfosulfuron, the active ingredient used in [Certainty®].

A374.02 herbicide is a selective herbicide for control of annual and perennial grass and broadleaf weeds in highly managed turf, ornamental and native grass sites.

<b>ACTIVE INGREDIENT:</b>	(% by weight)
Sulfosulfuron.....	75.0%
<b>OTHER INGREDIENTS:</b> .....	25.0%
<b>TOTAL</b> .....	100.0%

A374.02 herbicide is formulated as a water dispersible granule (WDG).

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
<b>If in eyes:</b>	<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>
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 SafetyCall at <b>1-844-685-9173</b> for emergency medical treatment information.	

**For Chemical Emergency:**

**Spill, Leak, Fire, Exposure, or Accident, Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)**

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**

CAUSES MODERATE EYE IRRITATION.

Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**ENVIRONMENTAL HAZARDS:**

**Ground Water Advisory:** This chemical has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

**Surface Water Advisory:** This product may impact surface water quality due to runoff of rain water. This is especially true for poorly raining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of sulfosulfuron from runoff water

and sediment. Runoff of this product will be greatly reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, preferably in a locked storage area.

**PESTICIDE DISPOSAL:** Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the use 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 HANDLING:**

[**Bag:** Nonrefillable outer bag. Do not reuse or refill the outer bag. Completely empty bag into application equipment. Then 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.]

[**Plastic Container:** Nonrefillable 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. Fill the container ¼ 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, or by other procedures allowed by state and local authorities.]

See inside label booklet for additional Precautionary Statements and Directions for Use.

[A374.02™] is not manufactured, or distributed by Valent USA Corporation, seller of [Certainty®].

Manufactured for:  
**Atticus, LLC**  
 5000 CentreGreen Way, Suite 100  
 Cary, NC 27513

**EPA Reg. No.: 91234-XX**  
**EPA Est. No.:** \_\_\_\_\_  
**NET WEIGHT:** \_\_\_\_\_