Personal Protective Equipment (PPE)

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.

Engineering Control Statements

Containers over 1 gallon and less than 5 gallons: Mixers and loaders who do not use a mechanical system (probe and pump) to transfer the contents of this container must wear coveralls or a chemical-resistant apron in addition to the other required PPE.

Containers of 5 or more gallons: Do not open-pour product from this container. A mechanical system (such as a probe and pump or spigot) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal. If the mechanical system is used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4)], the handler PPE requirements may be reduced or modified as specified in the WPS.

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 hands 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. If pesticide gets on skin, wash immediately with soap and water.
- 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.

First Aid

If swallowed:
- Call a poison control center or doctor immediately for treatment advice.
- Do not induce vomiting unless told to by a poison control center or doctor.
- Do not give any liquid to the person.
- Do not give anything by mouth to an unconscious person.

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

If in eyes:
- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

If inhaled:
- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For additional information in case of emergency, call toll free 1-877-800-5556.

NOTE TO PHYSICIAN: Contains petroleum distillate – vomiting may cause aspiration pneumonia.

Environmental Hazards

This pesticide may be toxic to fish and aquatic invertebrates and may adversely affect non-target plants. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.
Agricultural Use Requirements
Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170.
This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment 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 48 hours.

Non-Agricultural Use Requirements
The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Reentry Statement: Do not enter or allow people (or pets) to enter the treated area until sprays have dried.

1. PRODUCT DESCRIPTION:
SpeedZone Southern Broadleaf Herbicide for Turf contains four active ingredients including carfentrazone-ethyl that broaden the spectrum of weed control. Carfentrazone-ethyl is in the ary1 triazolinone family and inhibits protoporphyrinogen oxidase (Protox), a pivotal enzyme in chlorophyll production. Without this key enzyme, a build-up of peroxide-like compounds occurs, thus causing the plant cell membranes of weeds to rupture.

SpeedZone Southern Broadleaf Herbicide for Turf offers these advantages:
• Excellent postemergent activity with proven performance for broadleaf weed control in turfgrass.
• Superior cool weather performance.
• High selectivity (turfgrass safety) in established cool season turfgrass and most warm season turfgrass.
• Good toxicological, environmental, and ecological properties compared to the standards.
• Carfentrazone-ethyl combinations provide rapid and effective weed control for common and troublesome weed species in turfgrass, e.g. spurge, pennywort (dollarweed), dandelion, and white clover.
• Fast acting with evidence of injury within hours. The speed of action (rate of phytotoxicity) and the early injury symptoms are unique features of carfentrazone-ethyl combinations. Generally, the injury symptoms can be noticed within hours of the application and plant death can occur within 7 to 14 days.

2. SPRAY PREPARATION:
SpeedZone Southern Broadleaf Herbicide for Turf is an emulsifiable concentrate or an ester formulation intended for dilution with water. In certain applications, liquid fertilizer may replace part of the water as a diluent.

Mixing with water:
Add one-half the required amount of water to the spray tank, then add SpeedZone Southern Broadleaf Herbicide for Turf slowly with agitation, and completely filling the tank with water. To prevent separation of the emulsion, mix thoroughly and continue agitation while spraying.
This product forms an emulsion and can separate upon extended or prolonged standing. Re-agitate to assure uniformity of the spray mixture. Storage of the spray mixture beyond 72 hours is not recommended.
Do not use tank additives that alter the pH of the spray solution below pH 5 or above pH 8. Buffer the spray solution to alter the pH range as appropriate.

Mixing with liquid fertilizers:
Use suitable sources and rates of fertilizer based upon local recommendations. Refer to the mixing directions on the labels of the liquid fertilizers (e.g. UAN or urea solutions). Always perform a jar compatibility test before large scale mixing.

Mixing with adjuvants and spray additives:
Adjuvants include surfactants, spreaders, spreader-stickers, spray thickeners, foaming agents, activators, deterrents, and drift reducing agents. All additives change the physical and biological properties of the spray solution.

SpeedZone Southern Broadleaf Herbicide for Turf is a solvent based emulsifiable concentrate designed for rapid penetration and uptake. Adjuvant(s) mixed with this product are seldom synergistic, often antagonistic, and may have no significant influence on efficacy.

Certain adjuvants combined with this product can damage the leaf tissue of turfgrass. If any discoloration or cosmetic effects are objectionable or any level of phytotoxicity would be unacceptable, then adjuvant(s) combined with SpeedZone Southern Broadleaf Herbicide for Turf would not be recommended. Use these adjuvants, spray additives or tank-mix combinations, only when your experience indicates that the tank mixture will not result in objectionable turf injury.

3. GROUND EQUIPMENT:
Spray distribution: The accuracy and uniformity of the herbicide distribution is the sole responsibility of the applicator. Power sprayers fitted with a boom or spray wand/gun may be used for broadcast applications and spot treatments. For best spray distribution and coverage, select a spray volume and delivery system that will ensure accurate and uniform coverage. Boom sprayers equipped with appropriate flat fan nozzles, tips, and screens are suitable for broadcast applications.

Spray volumes of 3 to 220 gallons per acre (except when applying this product to St. Augustinegrass, use spray volumes of 40 to 220 gallons per acre) with spray pressures adjusted to 20 to 40 psi, are appropriate. Use higher spray volumes for dense weed populations.
• Calibration and proper application are essential when using this product.
• Avoid spray overlaps with spray equipment.
• Over-application or rates above those recommended on this label can cause turf injury.
• Hand-held technique: Spray wands fitted with flat fan nozzles should not be waved in a back-and-forth motion, or in a side-to-side motion, or in a swinging arm motion. Instead, the flat fan nozzle should be held stationary at the proper height. Side-to-side motion results in uneven coverage. To avoid excessive spray pattern overlaps, a spray colorant may be used.

Hand operated sprayers including backpack sprayers, compression sprayers, and knapsack sprayers are appropriate for small turfgrass areas when power equipment is unavailable, uneconomical, or impractical.

This product may cause injury to susceptible/nontarget plants at the use site by contacting the foliage, stems, or roots. To prevent injury to susceptible crops and other desirable broadleaf plants including but not limited to cotton, legumes, tobacco, tomatoes, garden/vegetable crops, and ornamentals (flowers, trees, and shrubs) avoid contact with the spray solution, spray droplets, and spray mist (fine droplets). Applications are recommended only when there is no potential hazard from spray drift during dormant and active growth periods. Do not apply when conditions are conducive to spray drift from the use site to untreated areas.

After using this product, clean sprayer with soap or detergent and water, or an approved spray tank cleaner and rinse thoroughly before applying other pesticides.

4. SPRAY DRIFT MANAGEMENT:
A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, airblast, chemigation) can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

Droplet Size
Use only medium or coarser spray nozzles according to ASAE (standard 572) definition of standard nozzles or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

When applying sprays that contain 2,4-D mixed with other active ingredients that require a Medium or more fine spray, apply only as a Medium or coarser spray (ASAE standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.
Prohibitions of Sites:

- Do not apply to any body of water such as lakes, streams, rivers, ponds, reservoirs, or estuaries (salt water bays). Do not apply to any shorelines (non-cropland sites adjacent to the edges of a body of water) for lakes, streams, rivers, ponds, reservoirs, or estuaries (salt water bays).
- Do not apply to wetlands (swamps, bogs, potholes, or marshes).
- Do not apply to agricultural irrigation water or on agricultural irrigation ditchbanks and canals.
- Do not apply to agricultural drainage water or on agricultural ditchbanks.

Turfgrass tolerance:

- The turfgrass tolerance to this product may vary and temporary turfgrass yellowing may occur on St. Augustinegrass and certain varieties (F1) of hybrid bermudagrass. SpeedZone Southern Broadleaf Herbicide for Turf may injure certain turfgrass species. Environmental conditions and certain spray tank additives (e.g., adjuvants, wetting agents, surfactants), liquid fertilizers, and tank mixtures containing other emulsifiable concentrates may reduce the selectivity on the turfgrass.

Prohibitions:

- Do not apply this product to bentgrass greens, carpetgrass, dichondra, legumes, and lawns where desirable clovers are present.
- Do not broadcast apply this product when ambient temperatures are above 85°F, some injury may be expected with spot treatments when air temperatures exceed 85°F. For St. Augustinegrass see Table 1 for specific temperature restrictions.

6. APPLICATION SCHEDULES:

Early postemergent applications of SpeedZone Southern Broadleaf Herbicide for Turf are recommended for annual, biennial, and perennial weeds. Apply this product to broadleaf weeds that are young and actively growing for the best results. SpeedZone Southern Broadleaf Herbicide for Turf combines a contact herbicide with systemic herbicides and provides little or no residual activity at recommended use rates.

SpeedZone Southern Broadleaf Herbicide for Turf may be applied as a single broadcast application or as a follow-up broadcast application in the spring, summer, or fall. Spring and fall treatments under adequate soil moisture conditions are preferred to the summer treatments. Generally, summer broadcast applications to older, drought stressed weeds are less effective.

Follow-up applications as spot treatments with a minimum 30 day interval are recommended for more mature weeds, for dense infestations, and for adverse environmental conditions. Spot treatments during the summer may be appropriate for sparse infestations, or as a follow-up treatment, or any time broadleaf weeds are susceptible. Apply on a spray-to-wet basis for the best results.

Extremes in environmental conditions e.g. temperature and moisture, soil conditions, and cultural practices may affect the activity of SpeedZone Southern Broadleaf Herbicide for Turf. Under warm moist conditions, herbicide symptoms may be accelerated. While under very dry conditions, the expression of herbicide symptoms is delayed, and weeds hardened off by drought are less susceptible to SpeedZone Southern Broadleaf Herbicide for Turf.

For newly seeded areas:
The application of SpeedZone Southern Broadleaf Herbicide for Turf to grass seedings is recommended after the second mowing.

For newly sodded, sprigged, or plugged areas:
The application of SpeedZone Southern Broadleaf Herbicide for Turf to newly sodded, sprigged, or plugged grasses should be delayed until 3 to 4 weeks after the sodding, sprigging, or plugging operations.

For dormant turf:
Applications to dormant bermudagrass, dormant zoysiagrass, and dormant bahiagrass are suggested.

7. CULTURAL TIPS FOR IMPROVED CONTROL:

Irrigation:

- Do not apply this product through any type of irrigation system.
- Do not apply this product immediately before rainfall or irrigation. Rainfast in 3 hours. Do not irrigate or water the turfgrass within 3 hours after application. If dry conditions exist, irrigation 8 hours before and 8 hours after application is recommended.

Mowing:
Delay mowing 2 days before and until 2 days after the application of this product.

Reseeding interval:
Treated areas may be reseeded 1 week after application.

8. HOW MUCH TO USE: USE RATES AND SPRAY VOLUMES:

Generally, the lower application rates within the specified range will provide satisfactory control of sensitive weed species. The higher application rates within the specified range will be required for dense infestations of perennial weeds, for adverse/extreme environmental conditions, or for weeds beyond the appropriate growth stages.
Do not apply more than 2 broadcast treatments per season. A minimum of 30 days is required between applications. Use rates and spray volumes of SpeedZone Southern Broadleaf Herbicide for Turf as broadcast treatments for use on turfgrass are presented in Table 1.

### Table 1. Rate Recommendations for Sod Farms, Ornamental Lawns and Turfgrass.

<table>
<thead>
<tr>
<th>Species</th>
<th>Amount of Product Pints/Acre</th>
<th>Recommended Spray Volume Gallons/Acre</th>
<th>Amount of Product fl. oz./1,000 sq. ft.</th>
<th>Spray Volume Gallons per 1,000 sq. ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Warm Season Turf</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hybrid bermudagrass, Bahiagrass, Zoysiagrass, Buffalograss, Centipedegrass, Seashore paspalum and Kikuyugrass</td>
<td>2 to 4</td>
<td>3 to 220</td>
<td>0.75 to 1.5</td>
<td>0.1 to 5.0</td>
</tr>
<tr>
<td>Common bermudagrass</td>
<td>3 to 5</td>
<td>3 to 220</td>
<td>1.1 to 1.8</td>
<td>0.1 to 5.0</td>
</tr>
</tbody>
</table>

**NOTE:** If any discoloration is objectionable or any level of phytotoxicity would be unacceptable, then surfactants and other adjuvant(s) combined with SpeedZone Southern Broadleaf Herbicide for Turf are not recommended.

<table>
<thead>
<tr>
<th>Species</th>
<th>Amount of Product Pints/Acre</th>
<th>Recommended Spray Volume Gallons/Acre</th>
<th>Amount of Product fl. oz./1,000 sq. ft.</th>
<th>Spray Volume Gallons per 1,000 sq. ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Warm St. Augustinegrass (Excluding ‘Floratam’ and ‘Bitterblue’ varieties)</td>
<td>1.5 to 4</td>
<td>40 to 220</td>
<td>0.55 to 1.5</td>
<td>1.0 to 5.0</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>Species</th>
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<th>Spray Volume Gallons per 1,000 sq. ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cool Season Turf</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kentucky bluegrass, Annual bluegrass, Annual ryegrass, Perennial ryegrass, Tall fescue, Red or fine leaf fescues, Creeping bentgrass, Colonial bentgrass. Mixtures of cool season species established for aesthetic purposes. Mixtures of cool season species in noncropland areas established for roadside vegetation management or for low maintenance. (Kentucky bluegrass, tall fescue, smooth bromegrass &amp; orchardgrass).</td>
<td>4 to 6</td>
<td>3 to 220</td>
<td>1.5 to 2.2</td>
<td>0.1 to 5.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Use Site</th>
<th>Maximum Rate per Application</th>
<th>Maximum Number of Applications per Year</th>
<th>Minimum Interval Between Applications</th>
<th>Minimum Spray Volume</th>
<th>Maximum Seasonal Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ornamental turfgrass</td>
<td>6.0 pints/A (0.4 lb 2,4-D ae/A)</td>
<td>2</td>
<td>30 days</td>
<td>2 gal./A</td>
<td>12 pints/A (0.8 lb 2,4-D ae/A)</td>
</tr>
<tr>
<td>Sod farms</td>
<td>6.0 pints/A (0.4 lb 2,4-D ae/A)</td>
<td>2</td>
<td>21 days</td>
<td>2 gal./A</td>
<td>12 pints/A (0.8 lb 2,4-D ae/A)</td>
</tr>
</tbody>
</table>

ae = Acid Equivalent. Do not exceed the maximum seasonal rate of 12 pints (0.8 lb 2,4-D ae) per acre per season, excluding spot treatments.
9. BROADLEAF WEEDS CONTROLLED:

This product will control or suppress the following broadleaf weeds. Apply any time the emerged broadleaf weeds are susceptible.

### BROADLEAF WEEDS

- Aster, white heath & white prairie
- Bedstraw
- Beggaredweed, creeping
- Bindweed
- Black medica
- Broadleaf plantain
- Buckhorn plantain
- Bull thistle
- Burclover
- Burdock, common
- Buttercup, creeping
- Carpetweed
- Chickweed, common
- Chicory
- Cinquefoil
- Clover
- Compassplant
- Curly dock
- Dandelion
- Dayflower
- Deadnettle
- Dock
- Dogfennel
- Dollarweed (*pennywort*)
- English daisy
- False dandelion (*spotted catsear & common catsear*)
- Field bindweed (*morningglory & creeping jenny*)
- Field oxeye-daisy (*creeping oxeye*)
- Filaree, whitestem & redstem
- Florida betony
- Florida pusley
- Ground ivy
- **Cont. on next column**

### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in original container in a locked storage area inaccessible to children or pets. Keep from freezing.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by 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.

- **For nonrefillable containers less than 5 gallons:**
  - **CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

- **For nonrefillable containers greater than 5 gallons:**
  - **CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

**For Refillable Containers:**

- **CONTAINER HANDLING:** Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

**Container cleaning:** Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. 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.

- **OR**

  Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank and collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

- **OR**

  Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank and collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

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**LIMITED WARRANTY AND DISCLAIMER**

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