

PENOXsulAM	GROUP 2	HERBICIDE
2,4-D	GROUP 4	HERBICIDE
DICAMBA	GROUP 4	HERBICIDE
Sulfentrazone	GROUP 14	HERBICIDE



ACTIVE INGREDIENTS:

2,4-D, dimethylamine salt	7.28%
Dicamba, dimethylamine salt	2.06%
Penoxsulam	0.70%
Sulfentrazone	0.70%

OTHER INGREDIENTS: 89.26%

THIS PRODUCT CONTAINS: TOTAL 100.00%

0.530 lb. 2,4-dichlorophenoxyacetic acid equivalent per gallon or 6.05%.

0.150 lb. 3,6-dichloro-o-anisic acid equivalent per gallon or 1.71%.

0.061 lb. Penoxsulam per gallon or 0.70%.

0.061 lb. Sulfentrazone per gallon or 0.70%.

KEEP OUT OF REACH OF CHILDREN CAUTION

KEEP FROM FREEZING

*Use this product only in accordance with its labeling
and with the Worker Protection Standard, 40 CFR part 170.*



**READ THE ENTIRE LABEL FIRST.
OBSERVE ALL PRECAUTIONS AND
FOLLOW DIRECTIONS CAREFULLY.**

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin 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)

All mixers, loaders, applicators, and other handlers must wear:

- long-sleeved shirt and long pants,
- shoes and socks,
- chemical-resistant gloves made of barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride, or viton, and
- chemical resistant apron when mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate.

See engineering controls for additional requirements.

User Safety Requirements

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

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. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on skin or on clothing:	• 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.

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.

Environmental Hazards

This pesticide is toxic to fish and aquatic invertebrates. 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 plants, and to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

Non-Target Organism Advisory Statement: 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 site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

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

Surface Water Advisory Statement: This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several 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 penoxsulam from runoff water and sediment. Runoff of this product will be 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 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.**

(cont. on next page)

Agricultural Use Requirements (cont.)

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, including plants, soil, or water is:

- Coveralls worn over short-sleeved shirt and short pants,
- Chemical-resistant footwear plus socks,
- Chemical-resistant gloves made of barrier laminate, butyl rubber (≥ 14 mils), nitrile rubber (≥ 14 mils), neoprene rubber (≥ 14 mils), polyvinyl chloride (PVC, ≥ 14 mils), or viton (≥ 14 mils), and
- Protective eyewear.

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

Designed for turfgrass applications, Avenue™ South Broadleaf Herbicide for Turfgrass contains four active ingredients. These combined herbicides provide limited residual activity. Weeds are controlled by affecting multiple sites within the broadleaf weeds. The symptoms of susceptible broadleaf weeds include leaf and stem curl or twisting and weed yellowing.

Avenue South Broadleaf Herbicide for Turfgrass offers these advantages:

- Excellent postemergent activity with proven performance for broadleaf weed control in turfgrass.
- High selectivity (turfgrass safety) in established warm-season turfgrass and cool-season turfgrass.
- The combination of these four active ingredients provides effective weed control for common and troublesome weed species in turfgrass, including dollarweed (pennywort), clover, Virginia buttonweed, dandelion, and spurge.
- Generally, the weed injury symptoms can be noticed within a few days of the application and weed death can occur within 14 to 28 days.

2. Use Restrictions

- The maximum single application rate for this product is 6 pints of product per acre per application, the equivalent of, 0.40 lb 2,4-D ae, 0.046 lb penoxsulam, 0.11 lb dicamba, and 0.046 lb sulfentrazone per acre per application.
- The maximum annual application rate for this product is 12 pints of product per acre per application, excluding spot treatments, the equivalent of, 0.80 lb 2,4-D ae, 0.092 lb penoxsulam, 0.22 lb dicamba, and 0.092 lb sulfentrazone per acre per year.
- The maximum number of broadcast applications for ornamental turfgrass and non-cropland is limited to 2 per year with a minimum of 30 days between applications.
- The maximum number of broadcast applications for commercial sod farms is limited to 2 per year with a minimum of 21 days between applications.
- Do not apply this product to greens, collars, tees, bentgrass, carpetgrass, dichondra, legumes, and lawns where desirable clovers are present.
- Do not collect grass clippings for use as mulch around plants.
- For ground application only; aerial applications are not permitted.
- Do not allow livestock to graze on any areas treated with this product.
- Do not broadcast apply to bare ground or paved surfaces.
- Do not apply to any body of water including lakes, streams, rivers, ponds, reservoirs, or estuaries (salt water bays). Do not apply to any shorelines (noncropland 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.

3. Resistance Management

For resistance management, this product contains Group 2, 4 and Group 14 herbicides. Any weed population may contain or develop plants naturally resistant to this product and other Group 2, 4 or 14 herbicides. The resistant biotypes may dominate the weed population if

these herbicides are used repeatedly in the same area. Appropriate resistance management strategies should be followed.

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

- Rotate the use of this product or other Group 2, 4 or 14 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds.
- 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 pest control 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 that considers mechanical control methods, cultural (e.g., timing to favor the turf and not the weeds), biological (weed-competitive varieties) and other management practices.
- Scout area prior to application to identify the weed species present and their growth stage to determine if the intended application will be effective.
- 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. Prevent movement of resistant weed seeds to other areas by cleaning equipment.
- 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 pest control advisor for additional pesticide resistance-management and/or integrated weed-management recommendations for specific types of turf and weed biotypes.
- For further information or to report suspected resistance, call 877-800-5556.

4. Spray Preparation and Tank Mixtures

Avenue South Broadleaf Herbicide for Turfgrass is a water-based 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 Avenue South Broadleaf Herbicide for Turfgrass slowly with agitation, and complete filling the tank with water. Mix thoroughly and continue agitation while spraying.

When this product is left standing for extended periods of time, re-agitate to assure uniformity of the spray mixture.

Mixing with liquid fertilizers:

Use suitable sources and rates of fertilizer based upon guidance of your fertilizer supplier or State Extension Service Specialist.

Verify physical compatibility with a jar test: Always perform a jar test for compatibility before large scale mixing. The jar test can be conducted by mixing all components in a small container in proportionate quantities. If the mixture separates after standing and can be mixed readily by shaking, then the mixture can be used and applied with spray equipment providing continuous agitation. If large flakes, sludge, gels or other precipitates form, or if a separate oily layer or oil globules appear, then the herbicide and the liquid fertilizer must not be prepared as a tank mixture.

Liquid fertilizers are either solutions (true fluids) or suspensions. Physical compatibility of this product is adequate with liquid nitrogen solutions. Mixing this product with suspensions or N-P-K solutions may not be satisfactory (may be marginal) without pre-mixing this product with water. Premixing this product with 2 parts water will ensure that the emulsifiers are activated enabling the herbicide to be suspended in the fertilizer.

Adjuvants and spray additives:

Adjuvants (including surfactants, spreaders, spreader-stickers, spray thickeners, foaming agents, activators, detergents, and drift reducing agents) combined with this product can damage the leaf tissue of turfgrass. If any discoloration or cosmetic effects are objectionable or

would be unacceptable, then adjuvant(s) combined with Avenue South Broadleaf Herbicide for Turfgrass would not be advised. Do not use adjuvants and spray additive tank-mix combinations, unless your experience indicates that the tank mixture will not result in turf injury.

Mixing with other pesticides:

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions, 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.

5. 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 nozzles, and screens are suitable for broadcast applications.

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). Do not apply when conditions are conducive to spray drift from the use site to untreated areas.

Use spray volumes of 10 to 175 gallons per acre **with** spray pressures adjusted to 20 to 40 psi (Except when applying this product to St. Augustinegrass, use spray volumes of 40 to 175 gallons per acre). Do not apply with high-pressure equipment. 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 on this labeling can cause turf injury.
- Hand-held technique: Do not wave spray wands fitted with flat fan nozzles in a back-and-forth motion, or in a side-to-side motion, or in a swinging arm motion. Instead, hold the flat fan nozzle 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.

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.

6. Spray Drift

Ground Boom Applications:

- User must only apply with the release height recommended by the manufacturer, but no more than 30 inches above the ground.
- Applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- Applicators may spray only when wind speed is between 3 and 10 mph.
- Do not apply during temperature inversions.

Boomless Ground Applications:

- Applicators are required to use a medium or coarser droplet size (ASABE S572.1) for all applications.
- Applicators may spray only when wind speed is between 3 and 10 mph.
- Do not apply during temperature inversions.

7. 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 Spray 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.

Select medium to very coarse droplet size when sulfentrazone is used postemergence with a contact burndown herbicide. Do not apply as spray droplets smaller than medium to coarse (defined by the ASABE* standard).

*ASABE – American Society for Agricultural and Biological Engineers.

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 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. Only apply this product if the wind direction favors on-target deposition and there are not sensitive areas (including, but not limited to, bodies of water, known habitat for nontarget species, nontarget crops) within 250 feet downwind. If applying a Medium spray, leave one swath unsprayed at the downwind edge of the treated field.

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.

Susceptible Plants

Do not apply under circumstances where spray drift may occur to food, forage, or other plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption. Susceptible crops include, but are not limited to, cotton, okra, flowers, grapes (in growing stage), fruit trees (foliage), soybeans (vegetative stage), ornamentals, sunflowers, tomatoes, beans, and other vegetables, or tobacco. Small amounts of spray drift that might not be visible may injure susceptible broadleaf plants.

Other State and Local Requirements

Applicators must follow all state and local pesticide drift requirements regarding application of 2,4-D herbicides. Where states have more stringent regulations, they must be observed.

Equipment

All ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

Spray Volume

Ground applicators must use a minimum finished spray volume of 10 gallons per acre. When sulfentrazone is tank mixed with a contact burndown herbicide, ground applicators must use a minimum spray volume of 15 gallons per acre.

8. Where To Use

This product provides broadleaf control in the following sites.

- **Turfgrass (ornamental) sites:**
- **Residential/domestic sites** are defined as areas associated with the household or home life including, but not limited to apartment complexes, condominiums, and patient care areas of nursing homes, mental institutions, hospitals, or convalescent homes.

- **Ornamental (turf) sites** include turfgrass established around residences, parks, streets, retail outlets, cemeteries, industrial and institutional buildings, recreation areas, fairgrounds, areas adjacent to athletic fields and paved areas.
- **Institutional sites** are defined as turf areas around properties or facilities providing a service to public or private organizations including, but not limited to hospitals, nursing homes, schools, museums, libraries, sport facilities, athletic fields, golf courses (fairways and roughs), and office buildings.
- **Non-cropland sites:** including farmyards, fencerows or fence lines, highway rights-of-way (principal, interstate, county, private, and unpaved roads): Roadsides, roadside ditches, road shoulders, road embankments, dividers, and medians; industrial sites: lumberyards, tank farms, fuel or equipment storage areas; municipal, state, and federal lands: airports and military installations; railroad rights-of-way, railroad yards, railroad crossings and railroad bridge abutments; utility rights-of-way: telephone, pipeline, electrical powerlines, and communication transmission lines.
- **Agricultural site:** Commercial sod production

Turfgrass tolerance:

- Established turfgrasses listed on this label are tolerant to applications of Avenue South but may be susceptible to temporary yellowing or discoloration when applications are made during extreme temperatures or when turf is under stress. If injury occurs, turf will resume normal growth after mowing.

Irrigation:

- Do not apply this product through any type of irrigation system.
- Rainfast in as little as 4 hours. Do not apply this product immediately before rainfall or irrigation. Do not irrigate or water the turfgrass within 3 hours after application. If dry conditions exist, irrigate at least 8 hours before and 8 hours after application.

State Restrictions:

- **New York:** Only one application per year of this product is allowed. This product is not allowed to be sold, distributed or used in Nassau or Suffolk Counties.
- **California:** Make broadcast applications only between March 1 and September 1. If troublesome weeds appear during other times of the year, a spot application can be made. While irrigation is necessary and important for plant growth, apply irrigation water efficiently so that no more than 125% of the net irrigation requirement is applied for any irrigation event. Apply efficient irrigations for six months following application of sulfentrazone containing products. Do not apply product to bare ground.
- **Arizona:** Do not use this product on sod farms in Arizona.
- Use of this product in certain portions of California, Oregon and Washington is subject to the January 22, 2004 Order for injunctive relief in *Washington Toxics Coalition, et al. v. EPA*, C01-0132C, (W.D. WA). For further information, please refer to EPA Web Site: <http://www.epa.gov/espp>.

9. 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 hardened off or more mature.

Use rates and spray volumes of Avenue South Broadleaf Herbicide for Turfgrass as broadcast treatments for use on turfgrass are presented in Tables 1, 2, and 3.

Table 1. Rates for St. Augustinegrass on Sod Farms and Ornamental Lawns and Turfgrass.		
Species	Amount of Product	Spray Volume
St. Augustinegrass (improved varieties including 'Floratum' and 'Bitterblue')	Sensitive or Susceptible Weeds 3.0 to 3.5 pints/acre (1.1 to 1.3 fl.oz./1000 sq.ft.) Hard-To-Control Weeds 3.5 to 5.0 pints/acre (1.3 to 1.8 fl.oz./1000 sq.ft.)	40 to 175 gallons/acre (1 to 4 gallons per 1000 sq.ft.)
St. Augustinegrass (common varieties)	Sensitive or Susceptible Weeds 3.5 to 4.0 pints/acre (1.3 to 1.5 fl.oz./1000 sq.ft.) Hard-To-Control Weeds 4.0 to 5.0 pints/acre (1.5 to 1.8 fl.oz./1000 sq.ft.)	40 to 175 gallons/acre (1 to 4 gallons per 1000 sq.ft.)
Precaution: Do not apply this product to improved varieties of St. Augustinegrass at rates above 3.5 pints/acre unless temporary turf injury can be tolerated. Turf injury symptoms may include discoloration, thinning, and stunting. Restriction: Do not broadcast apply this product to St. Augustinegrass when ambient temperatures are below 50°F. Do not spot spray this product to St. Augustinegrass if temperatures are expected to drop below 40°F within 10 days of application. Do not apply this product to St. Augustinegrass during the fall to winter transition.		

Table 2. Rates for Warm-Season Turfgrasses (except St. Augustinegrass) on Sod Farms and Ornamental Lawns and Turfgrass.		
Species	Amount of Product	Spray Volume
Warm-season Turf		
Hybrid bermudagrass Bahia grass Zoysiagrass Buffalograss Centipedegrass Seashore paspalum Kikuyugrass	3.5 to 4.5 Pints/acre (1.3 to 1.7 fl.oz. 1000 sq.ft.)	10 to 175 gallons/acre (0.23 to 4 gallons per 1000 sq.ft.)
Common bermudagrass	4.0 to 5.0 Pints/acre (1.5 to 1.8 fl.oz./1000 sq.ft.)	10 to 175 gallons/acre (0.23 to 5 gallons per 1000 sq.ft.)
Dormant turf: This product may be applied to dormant bermudagrass, dormant zoysiagrass, and dormant bahiagrass. Use caution when applying this product to warm-season turfgrass during spring green-up or in the fall during the transition period between active growth and dormancy.		

Tank mixing with metsulfuron-methyl may increase the spectrum of weeds controlled when treating St. Augustinegrass, hybrid Bermuda-grass, common Bermudagrass, zoysiagrass, buffalograss, and centipedegrass. The suggested metsulfuron-methyl rate is 0.009 lb AI to 0.019 lb AI/acre. For example, a 60% WDG metsulfuron-methyl product could be used at 0.25 to 0.50 oz/acre. Use only at the application rates and on the turf species listed on the labels of both products.

Table 3. Rates for Cool-Season Turfgrasses on Sod Farms and Ornamental Lawns and Turfgrass.		
Species	Amount of Product	Spray Volume
Cool-season Turf		
Kentucky bluegrass, Annual bluegrass	4.0 to 6.0 Pints/acre (1.5 to 2.2 fl.oz./1000 sq.ft.)	10 to 175 gallons/acre (0.23 to 5 gallons per 1000 sq.ft.)
Perennial ryegrass, Annual ryegrass, Tall fescue, Red or fine leaf fescues	2.7 to 5.0 Pints/acre (1.0 to 1.8 fl.oz./1000 sq.ft.)	10 to 175 gallons/acre (0.23 to 5 gallons per 1000 sq.ft.)
Precaution: Do not apply above 2.7 pints/acre on fescue or ryegrass varieties unless temporary turf injury can be tolerated. If treating Kentucky bluegrass or annual bluegrass in a mixed stand with perennial ryegrass, annual ryegrass, tall fescue, or red/fine leaf fescues, use 2.7 pints/acre (0.021 lb penoxsulam/acre) unless temporary injury to the sensitive species can be tolerated.		

NOTE: To avoid turf injury, use only on turfgrass that is reasonably free of stress from diseases, insects, excess heat or cold, drought or excess rainfall/irrigation, shaded areas, low soil pH, nematodes, improper mowing or improper applications of fertilizer and pesticides. Injury can occur if this product is applied under any of these or other stress conditions. Under any of these stress conditions, any turf damage caused by the use of this product is beyond the control of PBI/Gordon Corporation and all risk is assumed by the buyer and/or user.

- It is impossible to test all environmental conditions for the listed turfgrass. Use this product on a small area and observe for 30 days to determine the acceptability of possible turf discoloration or injury.

- If any discoloration is objectionable or any level of phytotoxicity would be unacceptable, then do not add surfactants and other adjuvant(s) combined with Avenue South Broadleaf Herbicide for Turfgrass. Do not use tank mixture combinations; unless your experience indicates that the tank mixture will not result in turf injury.
- Over application of this product can cause turf injury (discoloration, turf thinning, stunting and even turf death).
- Avoid fall or winter applications unless turf stunting can be tolerated.
- Not all turf varieties have been tested. Users who wish to use Avenue South Broadleaf Herbicide for Turfgrass on turfgrass species not listed on this label may determine the suitability for use by treating a small area at a rate specified for other turfgrass species. Prior to treatment of larger areas, observe the treated area for any sign of herbicidal injury during 30 days of normal growing conditions to determine if the target turfgrass species is tolerant. The user assumes responsibility for any plant damage or other liability resulting from use of Avenue South Broadleaf Herbicide for Turfgrass on turfgrass species not listed on this label.

SPOT TREATMENTS WITH HAND OPERATED SPRAYERS (INCLUDING BACKPACK SPRAYERS, AND COMPRESSION SPRAYERS,):

- Apply when emerged broadleaf weeds are actively growing.
- Calibration and proper application are essential when using this product.
- Uniform applications are essential when using this product. Over application or rates above those on this labeling including excessive overlaps of this product can cause turf injury.
- Hand-held techniques: Do not wave wands fitted with flat fan nozzle tips in a back-and-forth motion, or in a side-to-side motion, or in a swinging arm motion. Instead, hold the flat fan nozzle stationary at the proper height. Side-to-side motions result in uneven coverage. To avoid excessive spray pattern overlaps, a spray colorant may be used.
- **For St. Augustinegrass (improved varieties including 'Floritam' and 'Bitterblue')**
 - **For listed Sensitive or Susceptible Weeds**, mix 1.1 to 1.3 fl. oz. of this product per 1 gallon of water for treatment of approximately 1,000 sq.ft of turfgrass. See Table 1 for specific directions.
 - **For listed Hard-To-Control Weeds**, mix 1.3 to 1.8 fl. oz. of this product per 1 gallon of water for treatment of approximately 1,000 sq.ft of turfgrass. See Table 1 for specific directions.
- **For St. Augustinegrass (common varieties)**
 - **For listed Sensitive or Susceptible Weeds**, mix 1.3 to 1.5 fl.oz. of this product per 1 gallon of water for treatment of approximately 1,000 sq.ft of turfgrass. See Table 1 for specific directions.
 - **For listed Hard-To-Control Weeds**, mix 1.5 to 1.8 fl.oz. of this product per 1 gallon of water for treatment of approximately 1,000 sq.ft of turfgrass. See Table 1 for specific directions.
- **For warm season turfgrasses**, mix 1.3 to 1.7 fl.oz. of this product per 1 gallon of water for treatment of approximately 1,000 sq.ft of turfgrass. See Table 2 for specific directions.
- **For Kentucky bluegrass and annual bluegrass**, mix 1.5 to 2.2 fl.oz. of this product per 1 gallon of water for treatment of approximately 1,000 sq.ft of turfgrass. See Table 3 for specific directions.
- **For ryegrasses and fescues**, mix 1.0 to 1.8 fl.oz. of this product per 1 gallon of water for treatment of approximately 1,000 sq.ft of turfgrass. See Table 3 for specific directions.
- Do not use tank mixture combinations, unless your experience indicates that the tank mixture is effective and will not result in turf injury. Do not exceed label dosage rate. Follow the labeling of each companion product for precautionary statements, directions for use, dosage rates, and application schedules. Tank mixture directions are for use only in states where the companion products and application site are registered.

CULTURAL TIPS FOR IMPROVED CONTROL:

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

Irrigation: If dry conditions exist, irrigate at least 8 hours before and 8 hours after application.

Temperatures: Weed control is more effective when air temperatures are above 55°F, with adequate soil temperature and moisture, and when target weeds are actively growing.

10. Broadleaf Weeds Controlled

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

BROADLEAF WEEDS		
Aster, white heath & white prairie	Field bindweed (*morningglory & creeping jenny)	Poison ivy
Bedstraw	Field oxeye-daisy (*creeping oxeye)	Poison oak
Beggarweed, creeping	Filaree, whitestem & redstem	Puncturevine
Beggarweed, dwarf	Florida betony (rattlesnake weed)	Purple cudweed**
Bindweed	Florida pusley	Purslane
Black medic	Goldenrod	Ragweed
Bull thistle	Ground ivy**	Redweed
Burclover	Groundsel	Red sorrel (*sheep sorrel)
Burdock, common	Hawkweed	Roundleaf mallow
Buttercup, creeping	Healall	Sheep sorrel
Carpetweed	Henbit	Shepherd's purse
Catsear, spotted	Innocence (Blue-eyed Mary)	Spurge
Chamberbitter**	Knotweed	Smartweed
Chickweed, common	Lambsquarters	Spurweed
Chickweed, mouseear	Lawn burweed	Thistle
Chicory	Lespedeza, common	Veronica** (*corn speedwell)
Cinquefoil	Mallow, common	Vetch, common
Clover	Matchweed	Virginia buttonweed**
Clover, hop	Mouseear chickweed	Virginia pepperweed
Clover, red	Nutsedge (yellow)***	White clover (*Dutch clover, honeysuckle clover, white trefoil, & purplewort)
Clover, white	Old world diamond flower	Wild carrot
Cocklebur	Oxalis** (*yellow woodsorrel & creeping woodsorrel)	Wild garlic
Coffeeweed	Parsley-piert	Wild geranium
Compassplant	Pennsylvania smartweed	Wild lettuce
Curly dock	Pepperweed	Wild mustard
Dandelion	Pigweed	Wild onion
Dayflower	Pineappleweed	Wild strawberry
Deadnettle	Plantain, buckhorn**	Wild violet**
Dock	Plantain, common**	Woodsorrel, creeping
Dogfennel		Woodsorrel, yellow
Dollarweed (*pennywort)		Yarrow
Doveweed**		Yellow rocket
English daisy		
False dandelion (*spotted catsear & common catsear)		

*Synonyms

**Hard-to-control weeds. May require higher use rates and/or a second application within the rate range listed.

***Suppression only when nutsedge is young and actively growing.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: 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 Plastic Containers – Nonrefillable with capacities equal to or less than 5 gallons:

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then 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 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.

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 or 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.

(cont. on next page)

STORAGE AND DISPOSAL

For Plastic Containers – Nonrefillable with capacities greater than 5 gallons:

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then 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 as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. 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 or 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.

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 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.

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IMPORTANT: Read this LIMITED WARRANTY AND DISCLAIMER before buying or using this product. By opening and using this product, buyer and all users agree to accept the terms of this LIMITED WARRANTY AND DISCLAIMER in their entirety and without exception. If the terms are not acceptable, return this product unopened immediately to the point of purchase, and the purchase price will be refunded in full.

It is impossible to eliminate all risks inherently associated with use of this product. Damage to the treated article, ineffectiveness, or other unintended consequences can result from use of the product under abnormal conditions including weather, presence of other materials, or the manner of use or application, etc. Such factors and conditions are beyond the control of the manufacturer, and **BY PURCHASING AND USING THIS PRODUCT THE BUYER AND ALL USERS OF THIS PRODUCT AGREE TO ACCEPT ALL SUCH RISKS.** Buyer and all users further agree to assume all risks of loss or damage from the use of the product in any manner that is not explicitly set forth in or that is inconsistent with label instructions, warnings and cautions.

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