

UISPYRIBAC-SODIUM GROUP 2 HERBICIDE

# Pace

**Selective Post-Emergence Herbicide for Control of Annual Bluegrass, Rough Stalk Bluegrass, and Certain Broadleaf Weeds Within Certain Species of Established Turfgrass.**

**Suppression of Dollar Spot.**

**ACTIVE INGREDIENT:**

Bispyribac-Sodium: sodium 2,6-bis[(4,6-dimethoxypyrimidin-2-yl)oxy]benzoate. . . . . 17.6%

**OTHER INGREDIENTS:** . . . . . 82.4%

**TOTAL:** . . . . . 100.0%

Contains 0.011 lb. active ingredient per oz. of formulated product.

## 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 this label, find someone to explain it to you in detail.)

**See label booklet for complete First Aid, Precautionary Statements,  
Directions For Use, and Storage and Disposal.**

EPA Reg. No. 83529-184

EPA Est. No. **DJ** 05905-IA-001; **GH** 70815-GA-002;

**MC** 89332-GA-001; **SC** 39578-TX-001

The EPA Establishment Number is identified by the circled letters above that match the first two letters in the batch number.

Manufactured For:

**Sharda USA LLC** 

7217 Lancaster Pike, Suite A  
Hockessin, Delaware 19707

**Net Contents: 1 lb. (0.45 kg)**

<b>FIRST AID</b>	
<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>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 - 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• <b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>HOTLINE NUMBERS</b>	
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency information concerning this product, call your poison control center at <b>1-800-222-1222</b>. For general information about this product, contact the National Pesticides Information Center (NPIC) at <b>1-800-858-7378</b>, Monday through Friday, 8 AM to 12 PM PST, or at <a href="http://npic.orst.edu">http://npic.orst.edu</a>.</p>	

## **PRECAUTIONARY STATEMENTS**

### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

#### **CAUTION**

Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Causes moderate eye irritation. Avoid breathing dust or spray mist. 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
- Waterproof gloves
- Shoes plus socks

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.

### USER SAFETY RECOMMENDATIONS

#### Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS

This product is toxic to non-target plants. For terrestrial uses, **DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean highwater mark. **DO NOT** contaminate water by cleaning of equipment or disposal of equipment wash waters or rinsate.

#### Groundwater Advisory

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

This product may impact surface water quality due to runoff of rainwater. This is especially true for poorly draining soils and soils with shallow 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 this product 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.

#### 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.

## DIRECTIONS FOR USE

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

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

**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 (WPS), 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 (REI). The requirements in this box only apply to uses of this product that are covered by the WPS.

**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 WPS and that involves contact with anything that has been treated, including plants, soil, or water, is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

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

Keep all unprotected persons out of operating areas, or vicinity where there may be drift.

**DO NOT** allow people or pets to enter treated areas without protective clothing until sprays have dried.

## PRODUCT INFORMATION

**Pace** is a post-emergence herbicide that will selectively control annual bluegrass (*Poa annua*), Roughstalk bluegrass (*Poa trivialis*), and numerous broadleaf weeds that are growing within certain species of established turfgrass. **Pace** will also suppress seedhead production by annual bluegrass. **Pace** displays activity against emerged weeds, but has almost no pre-emergence activity. Therefore, **Pace** will not control weeds that germinate after application.

**Pace** inhibits the enzyme acetolactate synthase (ALS), which plants require to produce certain amino acids. Annual bluegrass and other susceptible weeds usually stop growing within 3 - 7 days after treatment and turn yellow or brown within 3 - 14 days after treatment. Plant death typically occurs by 21 to 28 days after treatment.

Applying **Pace** to control weeds will suppress dollar spot, *Sclerotinia homoeocarpa*. Suppression of dollar spot will be greatest when a weed control program is initiated before the appearance of a significant dollar spot infection. When applying **Pace** before significant infection, dollar spot suppression is usually evident for several weeks after the last application of **Pace**.

## HERBICIDE RESISTANCE MANAGEMENT

**Pace** is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to **Pace** and other Group 2 herbicides. Weed species with acquired resistance to Group 2 may eventually dominate the weed population if Group 2 herbicides are used repeatedly in the same area or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by **Pace** or other Group 2 herbicides.

### To Delay Herbicide Resistance:

- **DO NOT** consecutively apply **Pace** or other target site of action Group 2 herbicides on the same weed species.
- Use tank mixtures or premixes with herbicides from different target site of action Groups as long as the involved products are all registered for the same use, have different sites of action, and are both effective on the weed(s) of concern.
- Base herbicide use on a comprehensive Integrated Pest Management (IPM) program.
- Monitor treated weed populations for loss of field efficacy.
- Contact your local extension specialist, certified crop advisor and/or manufacturer for herbicide resistance management and/or integrated weed management requirements for specific crops and resistant weed biotypes.
- For further information, contact your Sharda USA LLC representative.

### SPRAY DRIFT

- **DO NOT** apply within 15 ft. of native plant communities when sustained winds will carry **Pace** towards these native plant communities.

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

- User must only apply with the release 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, 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 15 miles per hour at the application site.
- **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.
- **DO NOT** apply when wind speeds exceed 15 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

### MIXING AND SPRAYING EQUIPMENT PREPARATION AND CLEANUP

Use well maintained and clean equipment to make application of **Pace**. Clean the spray tank, and all hoses and booms according to the manufacturer's directions for the last product used before making an application of **Pace**. This will ensure that no residue from the previous application remains in the sprayer.

Trace amounts of **Pace** in or on mixing or spraying equipment may have an adverse effect on subsequently sprayed plants. Therefore, it is important that the sprayer be properly cleaned after spraying **Pace**. Thoroughly drain, clean, and rinse all mixing and spraying equipment including tanks, booms, hoses, strainers, screens, and nozzles immediately after applying **Pace**. Use the following procedure:

1. Remove all physical residues.
2. Thoroughly drain and rinse tanks, booms, and hoses with clean water.
3. Fill the tank one half full with clean water and use a spraying or mixing tank cleaner that does not contain chlorine. Fill the remainder of the tank with clean water. Let agitate or recirculate according to the directions of the cleaner manufacturer. Thoroughly flush the boom and hoses before draining.
4. Rinse all hoses, tanks, nozzles, strainers, and booms with clean water to remove the tank cleaner. Follow the directions provided by the tank cleaner manufacturer.

5. Fill the tank half full with clean water and add 1 gal. of 3% active household ammonia for every 100 gals. of water the tank will hold. Fill the remainder of the tank with clean water and allow the solution to agitate or recirculate for 15 minutes. Thoroughly flush the ammonia cleaning solution through the boom, hoses, nozzles, screens, and strainers before draining the tank.
6. Remove the strainers, nozzles, and screens and clean separately in a solution of household ammonia and water.
7. Replace the strainers, nozzles, and screens.
8. Repeat Step 5.
9. Thoroughly rinse the tank with clean water and flush the water through the boom, nozzles, and hoses in order to remove all traces of ammonia.
10. Dispose of the rinsate on site or at an approved waste disposal facility.

**Important: DO NOT** mix chlorine bleach with ammonia, or toxic chlorine gas may be released. Remove all traces of liquid fertilizer containing any form of ammonia or ammonium before adding any chlorine source including chlorine bleach.

#### MIXING INSTRUCTIONS

**Pace** must completely dissolve in the spray tank within approximately 5 minutes. Dissolution rate may be slowed by cold water, lack of agitation or water containing high concentrations of boron or sulfur.

1. Fill clean spray tank 1/3 to 1/2 of desired level with clean water.
2. While agitating, add **Pace** and ensure it has dissolved completely before proceeding. Agitation must create a rippling or rolling action on the water surface.
3. Fill spray tank to desired level with water. Agitation must continue until spray solution has been applied.
4. Mix only the amount of spray solution that can be applied the day of mixing.
5. Apply **Pace** within 6 hours after mixing with water in spray tank.

#### APPLICATION INSTRUCTIONS

Apply **Pace** using standard, low pressure (20 - 50 PSI) spray equipment in a sufficient volume of water to provide thorough spray coverage and a uniform spray pattern. To ensure thorough coverage, apply a minimum of 20 gals. of spray solution per acre. Apply **Pace** with ground equipment using standard commercial sprayers equipped with nozzles designed to deliver the desired spray pressure and spray volume. Minimize streaking, skips or excessive overlaps during application. **DO NOT** apply with flood jet nozzles or handheld sprayers, as equipment may not provide adequate or uniform coverage. Calibrate spray equipment before each use and check periodically during application. The addition of a spray indicator, including dyes or foams, is advised.

**Table 1 - Weeds Controlled By Pace**

Common Name	Scientific Name	Weed Size	Application Rate
Bluegrass			1 - 6 oz./A (5 - 30 g a.i./A) (0.011 - 0.066 lb. a.i./A)
Annual	<i>Poa annua</i>	Up to seedhead	
Roughstalk	<i>Poa trivialis</i>	Up to seedhead	
Chickweed			
Common	<i>Stellaria media</i>	Up to seedhead	
Sticky	<i>Cerastium glomeratum</i>	Up to seedhead	
Clover			
Large Hop	<i>Trifolium campestre</i>	Up to seedhead	
White	<i>Trifolium repens</i>	Up to seedhead	
Dandelion	<i>Taraxacum officinale</i>	Seedling stage	
Henbit	<i>Lamium amplexicaule</i>	Up to seedhead	
Lawn Burweed	<i>Soliva pterosperma</i>	Up to seedhead	
Parsley-Piert	<i>Alchemilla arvensis</i>	Up to seedhead	
Plantain			
Broadleaf	<i>Plantago major</i>	Up to seedhead	
Buckhorn	<i>Plantago lanceolata</i>	Up to seedhead	
Swinecress	<i>Coronopus didymus</i>	Up to seedhead	
Yellow Nutsedge	<i>Cyperus esculentus</i>	Seedling stage	
Yellow Woodsorrel	<i>Oxalis stricta</i>	Seedling stage	

**DIRECTIONS FOR USE IN CREEPING BENTGRASS, TALL FESCUE AND  
PERMANENTLY ESTABLISHED PERENNIAL RYEGRASS**

**Crops:** Creeping Bentgrass (*Agrostis palustris*), Perennial Ryegrass (*Lolium perenne*), and Tall Fescue (*Festuca arundinacea*).

**Use Sites:** Golf course fairways and tees, Sod farms, Athletic fields, and Commercial or Residential turf.

**Pace** may cause chlorosis when applied to creeping bentgrass, tall fescue or perennial ryegrass. The onset, intensity and persistence of symptoms are at least partially influenced by environmental conditions (e.g., temperature, cloud cover and rainfall) and cultural practices. When air temperatures are below 60°F symptoms appear more slowly and persist longer. Maximum weed control is observed when daily air temperatures are between 70 and 85°F. Avoid application of **Pace** in the spring before grass resumes active growth, or in the fall after growth slows.

**Pace** may cause significant injury to other turf species, especially certain cultivars of Kentucky bluegrass, *Poa pratensis*. **Pace** must not be applied to turf under heat stress, turf that has received exposure to frost or in heavy traffic and/or heavily shaded turf areas, which are more prone to herbicide injury.

#### **Restrictions:**

- **DO NOT** apply through any type of irrigation system.
- **DO NOT** apply to golf course greens.
- **DO NOT** apply to creeping bentgrass mowed at less than 3/8" in height.
- **DO NOT** apply if rain is expected within 4 hours after application.
- **DO NOT** mow or irrigate turfgrass within 4 hours after application.
- **DO NOT** mix with wetting agents, spreader stickers, surfactants, or other adjuvants.
- **DO NOT** apply more than 6 oz. (0.066 lb. a.i.) of **Pace** per acre per application.
- **DO NOT** apply more than 12 oz. (0.132 lb. a.i.) of **Pace** per acre in a 28-day period.
- **DO NOT** apply more than 24 oz. (0.264 lb. a.i.) of **Pace** per acre per year.
- **DO NOT** apply when daily high air temperatures are consistently below 60°F or above 90°F.
- **DO NOT** apply to turfgrass exhibiting symptoms of Pythium blight or growing under stress due to drought, high or low temperatures, low fertility, heavy thatch, mechanical injury, or other stresses.
- **DO NOT** apply in heavy traffic and/or heavily shaded turf areas.
- **DO NOT** apply within 7 days after turf has been exposed to frost or freezing conditions.

**Use Directions:** Make application of **Pace** only during the time of year when creeping bentgrass, tall fescue, perennial ryegrass and target weeds are actively growing. The use season for **Pace** will therefore vary according to location.

#### **Use Season (if all the above-mentioned criteria are met):**

- Northern States and higher elevations in Southern Temperate States - May 15<sup>th</sup> to October 15<sup>th</sup>.
- Southern Temperate States - April 1<sup>st</sup> to June 1<sup>st</sup> and September 1<sup>st</sup> to November 1<sup>st</sup>.

Contact your Sharda USA LLC representative or your local extension specialist for instructions specific to your area.

#### **Control Programs**

Determine control program for **Pace** by considering the desired level and speed of control and the severity of infestation by annual bluegrass. More than 1 application of **Pace** is required for maximum weed control.

## Creeping Bentgrass

- **Rapid Conversion (Seedling and Established Annual Bluegrass Removal):** This program will target and remove seedling and established annual bluegrass. This program must only be considered where annual bluegrass infestation is less than 10 percent and where complete removal will not result in unacceptable stand density.
  - **Option A:** Make 2 applications at 6 oz./A on a 10- to 14-day interval when maximum daily air temperatures are between 70°F and 85°F. Herbicide activity is maximized with shorter application intervals. Minimum retreatment interval: 10 days.
  - **Option B:** Make up to 5 applications at 1 - 2 oz./A on a 3- to 7-day interval when maximum daily air temperatures are between 70°F and 85°F. Herbicide activity is maximized with shorter application intervals. Minimum retreatment interval: 3 days.
- **Slow Conversion (Seedling and Established Annual Bluegrass Conversion):** This program will target and remove young, seedling annual bluegrass. Growth of established annual bluegrass will also be reduced and these plants will slowly weaken over time due to natural senescence and stress, but will not be replaced by newly germinated plants. Over time, turf will slowly transition from a mixed stand of desirable turf and annual bluegrass to a solid stand of creeping bentgrass.
  - **Option A:** Make monthly applications at 1 - 2 oz./A during the growing season. Begin applications after May 15<sup>th</sup> and once maximum daily air temperatures are consistently above 70°F. Conclude applications on or before October 15<sup>th</sup> or when maximum daily air temperatures are consistently below 65°F.
  - **Early Summer:** Make 2 applications at 1 - 2 oz./A on a 14- to 28-day interval. Initiate applications after annual bluegrass begins to germinate and maximum daily air temperatures are consistently above 70°F. Minimum retreatment interval: 14 days.

## AND

- **Fall:** Make 2 applications at 1 - 2 oz./A on a 14- to 28-day interval. Initiate applications near September 1<sup>st</sup> or after daily maximum air temperatures are consistently less than 80°F. Minimum retreatment interval: 14 days.

## Tall Fescue and Perennial Ryegrass

- **Rapid Conversion (Seedling and Established Annual Bluegrass Removal):** This program will target and remove seedling and established annual bluegrass. This program must only be considered where annual bluegrass infestation is less than 10 percent and where complete removal will not result in unacceptable stand density. Make up to 3 applications at 2 - 3 oz./A on a 21- to 28-day interval. Initiate applications after annual bluegrass begins to germinate in the spring and maximum daily air temperatures are consistently above 70°F. Herbicide activity is maximized with shorter application intervals. Conclude applications when maximum daily air temperatures are consistently above 85°F. Minimum retreatment interval: 21 days.

- **Slow Conversion (Seedling and Established Annual Bluegrass Conversion):** This program will target and remove young, seedling annual bluegrass. Growth of established annual bluegrass will also be reduced and these plants will slowly weaken over time due to natural senescence and stress, but will not be replaced by newly germinated plants. Over time, turf will slowly transition from a mixed stand of desirable turf and annual bluegrass to a solid stand of tall fescue or perennial ryegrass. Make monthly applications at 1 - 2 oz./A during the growing season. Begin applications after May 15<sup>th</sup> and once maximum daily air temperatures are consistently above 70°F. Conclude applications on or before October 15<sup>th</sup> or when maximum daily air temperatures are consistently below 65°F.
  - **Overseeding after Pace:** **DO NOT** overseed turf until 7 days following the final **Pace** application.
  - **Pace Applications after Overseeding:** **DO NOT** apply **Pace** to turf until at least 30 days after overseeding.

**Table 2 - Dollar Spot Suppression By Pace in Turfgrass**

Diseases		Application Rate
Common Name	Scientific Name	
Dollar Spot	<i>Sclerotinia homoeocarpa</i>	1 - 6 oz./A (5 - 30 g a.i./A) (0.011 - 0.066 lb. a.i./A)
<p><b>Special Instructions:</b> When used for weed control, <b>Pace</b> can substantially suppress the development and severity of dollar spot. Suppression may be evident for several weeks after the final application. To maximize suppression of dollar spot, initiate weed control program in the late spring or early summer before the appearance of dollar spot symptoms in turfgrass. <b>Pace</b> can suppress dollar spot when applied before or soon after appearance of symptoms, but may not provide adequate curative control of established infections of dollar spot.</p> <p><b>Restrictions:</b></p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> use <b>Pace</b> in place of labeled fungicides for curative control of dollar spot or where there is a low tolerance for this disease.</li> <li>• See the <b>Restrictions</b> under the <b>DIRECTIONS FOR USE IN CREEPING BENTGRASS, TALL FESCUE AND PERMANENTLY ESTABLISHED PERENNIAL RYEGRASS</b> section.</li> </ul>		

**DIRECTIONS FOR USE IN DORMANT BERMUDAGRASS ON GOLF COURSES AND SOD FARMS**

**Crop:** Dormant Hybrid or Common Bermudagrass turf (*Cynodon dactylon*) that is non-overseeded or fall overseeded with Perennial Ryegrass (*Lolium perenne*).

**Use Sites:** Golf course fairways and tees and Sod farms.

**Restrictions:**

- **DO NOT** apply through any type of irrigation system.
- **DO NOT** apply to golf greens or roughs.
- **DO NOT** apply to overseeded perennial ryegrass mowed at less than 3/8".
- **DO NOT** apply if rain is expected within 4 hours after application.
- **DO NOT** mow or irrigate turfgrass within 4 hours after application.
- **DO NOT** mix with wetting agents, spreader stickers, surfactants, or other adjuvants.
- **DO NOT** apply more than 6 oz. (0.066 lb. a.i.) of **Pace** per acre per application.
- **DO NOT** apply more than 12 oz. (0.132 lb. a.i.) of **Pace** per acre in a 28-day period.
- **DO NOT** apply more than 24 oz. (0.264 lb. a.i.) of **Pace** per acre per year.
- **DO NOT** apply with flood jet nozzles or handheld sprayers.
- **DO NOT** apply when temperatures are below 55°F or above 85°F.
- **DO NOT** apply to turfgrass under stress due to drought, temperature, disease, low fertility, heavy thatch, mechanical injury, heavy traffic, heavy shade, or other stresses.
- **DO NOT** apply to actively growing (tillering) bermudagrass.
- **DO NOT** apply to overseeded perennial ryegrass until at least 30 days after seedling emergence.

**PACE USE IN NON-OVERSEEDED, DORMANT BERMUDAGRASS**

**Pace** may be applied to non-overseeded bermudagrass, but only when the bermudagrass is dormant. Therefore, apply **Pace** to non-overseeded bermudagrass after turf has become dormant in the fall and before turf breaks dormancy in the late winter/early spring. Application of **Pace** in the fall before bermudagrass becomes dormant or in the late winter/early spring during green-up may cause unacceptable injury to bermudagrass. **Pace** may cause unacceptable bermudagrass injury in southern areas where grass does not become completely dormant.

Make 2 - 3 applications at 3 - 4 oz./A on a 10- to 14-day interval when air temperatures are within the labeled range. Herbicide activity is maximized with higher use rates and shorter application intervals. Control of annual bluegrass will be more effective when annual bluegrass is immature, and when daily high temperatures are above 70°F at time of application. Some regrowth of annual bluegrass may occur. Minimum retreatment interval: 10 days.

Contact your Sharda USA LLC representative or your local extension specialist for a recommendation specific to your area.

**PACE USE IN DORMANT BERMUDAGRASS OVERSEEDED WITH PERENNIAL RYEGRASS**

**Pace** may be applied to bermudagrass that has been overseeded with perennial ryegrass so long as bermudagrass is not actively growing, ryegrass has been growing for at least 30 days, and turf is mowed at fairway height. **Pace** may cause unacceptable injury to perennial ryegrass mowed at greens or rough height.

**Pace** may cause mild chlorosis and growth regulation when applied to overseeded perennial ryegrass. The onset, intensity and persistence of symptoms are at least partially influenced by use rate, environmental conditions (e.g., temperature, cloud cover and rainfall) and cultural practices. Symptoms may persist under cool and cloudy conditions.

**Note:** Annual bluegrass chlorosis can be mistaken for ryegrass chlorosis, especially under higher infestation levels of annual bluegrass, and when **Pace** application is not initiated until annual bluegrass is flowering. Turf chlorosis is usually more apparent when small patches of turf are treated with **Pace**, and less apparent when large areas are treated. Therefore, if temporary turf chlorosis is a concern, **DO NOT** treat small areas that are surrounded by areas of nontreated turf.

**Pace** must not thin ryegrass when applied in accordance with the label. **DO NOT** apply to overseeded ryegrass within 30 days after seedling emergence, **DO NOT** apply to ryegrass that is exhibiting symptoms of heat or moisture stress, and **DO NOT** apply when air temperatures are greater than 85°F or are predicted to exceed 85°F in the 3 days after application.

To maximize performance, apply **Pace** when temperatures are warm enough to promote active growth. **DO NOT** apply when air temperatures are below 55°F or are NOT predicted to exceed 55°F in any of the 3 days following application. In general, **Pace** will perform optimally (i.e., best weed control and least chlorosis to ryegrass) under sunny conditions when daytime high temperatures are consistently between 70°F and 80°F during and after application.

**Pace** may be less efficacious against annual bluegrass growing in non-overseeded dormant bermudagrass or in thin stands of ryegrass. In these settings, annual bluegrass is exposed to less competition and therefore, more annual bluegrass will germinate, and the resulting plants will grow more vigorously and be more difficult to control. To maximize the efficacy of **Pace** in overseeded dormant bermudagrass, broadcast ryegrass seed at a minimum of 300 lbs. per acre, and employ cultural practices that encourage the rapid formation of a dense stand of ryegrass.

#### **CONTROL PROGRAMS FOR BERMUDAGRASS OVERSEEDED WITH PERENNIAL RYEGRASS**

Select control program for **Pace** by considering the desired level of control and the tolerance for ryegrass chlorosis.

**Fall Program - Early Season Control of Annual Bluegrass:** Apply **Pace** twice on a 10- to 14-day interval at 2 oz./A beginning 30 - 45 days after ryegrass emergence in the fall. This program will control newly emerged annual bluegrass before it begins flowering. This program may cause slight discoloration and growth regulation to ryegrass, but effects should be short lived when applied according to the label. This program may cause significant growth regulation to juvenile ryegrass if applied within 30 days after ryegrass seedling emergence, or if applied where ryegrass seedlings are exposed to temperatures below 25°F within 14 days after application. Some regrowth of annual bluegrass may occur during the spring, and additional application of **Pace** may be required at this time. This program must be considered where there is low tolerance for ryegrass chlorosis in the late winter and early spring. **DO NOT** initiate this program until at least 30 days after ryegrass seedling emergence, or use in areas where daily low temperatures less than 25°F are likely within 14 days after application. Minimum retreatment interval: 10 days.

**Winter/Spring Program - Late Season Control of Annual Bluegrass:** Apply **Pace 2** or 3 times on a 14- to 21-day interval at 6 oz./A after annual bluegrass begins flowering. Use 21-day interval if perennial ryegrass is exhibiting undesirable chlorosis at 14 days after application. **DO NOT** make more than 2 applications per year where mowing height is less than 0.5". Efficacy may be decreased if application interval exceeds 21 days. This program must be considered for heavier infestations of annual bluegrass, and where there is a higher tolerance for temporary ryegrass chlorosis. **DO NOT** initiate this program until at least 60 days after ryegrass seedling emergence, and only when temperatures are within the labeled range. Minimum retreatment interval: 14 days.

**Winter/Spring Program - Late Season Seed Head Suppression of Annual Bluegrass:** Apply **Pace 2** or 3 times on a 14-day interval at 3 oz./A when annual bluegrass first begins flowering. Efficacy may be decreased if application interval exceeds 14 days. This program will strongly suppress production of seed heads and therefore decrease the density of annual bluegrass in the following use season. This program will cause less chlorosis than the Late Season Control program, and must be considered where there is a low tolerance for ryegrass chlorosis. **DO NOT** initiate this program until at least 60 days after ryegrass seedling emergence, and only when temperatures are within the labeled range. Minimum retreatment interval: 14 days.

## STORAGE AND DISPOSAL

**DO NOT** contaminate water, food, or feed by storage and disposal.

**PESTICIDE STORAGE:** Store in a cool dry place. Keep pesticide in original container. Keep container closed when not in use. **DO NOT** put concentrate or dilute into food or drink containers. Not for use or storage in or around the home.

**PESTICIDE DISPOSAL:** Waste resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

### **CONTAINER HANDLING:**

**Nonrefillable Plastic (Capacity Equal to or Less Than 50 Pounds):** 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 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. **DO NOT** burn, unless allowed by State and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

**Nonrefillable Plastic (Capacity Greater Than 50 Pounds):** 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 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. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. **DO NOT** burn, unless allowed by State and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

*(continued)*

## STORAGE AND DISPOSAL *(continued)*

### CONTAINER HANDLING: *(continued)*

**Nonrefillable Plastic, e.g., Intermediate Bulk Containers [IBC] (Size or Shape Too Large to be Tipped, Rolled or Turned Upside Down):** Nonrefillable container. **DO NOT** reuse or refill this container. Clean container promptly after emptying the contents from this container into application equipment or mix tank and before final disposal using the following pressure rinsing procedure. Insert a lance fitted with a suitable tank cleaning nozzle into the container and ensure that the water spray thoroughly covers the top, bottom, and all sides inside the container. The nozzle manufacturer generally provides instructions for the appropriate spray pressure, spray duration and/or spray volume. If the manufacturer's instructions are not available, pressure rinse the container for at least 60 seconds using a minimum pressure of 30 PSI with a minimum rinse volume of 10% of the container volume. Drain, pour or pump rinsate into application equipment or rinsate collection system. Repeat this pressure rinsing procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

**All Other Plastic Refillable Containers:** Refillable container. Refilling Container: Refill this container with this pesticide only. **DO NOT** reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. Prior to refilling, inspect carefully for damage including cracks, punctures, abrasions, worn out threads and closure devices. If damage is found, **DO NOT** use the container. Check for leaks after refilling and before transporting. If leaks are found, **DO NOT** reuse or transport container. Disposing of Container: **DO NOT** reuse this container for any other purpose other than refilling (see preceding). Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, use the following pressure rinsing procedure. Insert a lance fitted with a suitable tank cleaning nozzle into the container and ensure that the water spray thoroughly covers the top, bottom, and all sides inside the container. The nozzle manufacturer generally provides instructions for the appropriate spray pressure, spray duration and/or spray volume. If the manufacturer's instructions are not available, pressure rinse the container for at least 60 seconds using a minimum pressure of 30 PSI with a minimum rinse volume of 10% of the container volume. Drain, pour or pump rinsate into application equipment or rinsate collection system. Repeat this pressure rinsing procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. **DO NOT** burn, unless allowed by State and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

### **CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

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

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Sharda USA LLC or Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Sharda USA LLC and Seller harmless for any claims relating to such factors.

Sharda USA LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under conditions not reasonably foreseeable to or beyond the control of Seller or Sharda USA LLC and Buyer and User assume the risk of any such use. To the extent consistent with applicable law, SHARDA USA LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, neither Sharda USA LLC nor Seller shall be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SHARDA USA LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SHARDA USA LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

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

All trademarks are the property of their respective owners.

BISPYRIBAC-SODIUM GROUP 2 HERBICIDE

# Pace

Selective Post-Emergence Herbicide for Control of Annual Bluegrass, Rough Stalk Bluegrass, and Certain Broadleaf Weeds Within Certain Species of Established Turfgrass.

Suppression of Dollar Spot.

<b>ACTIVE INGREDIENT:</b>	<b>WT. BY %</b>
Bispyribac-Sodium: sodium 2,6-bis[(4,6-dimethoxy)pyrimidin-2-yl]oxy]benzoate .....	17.6%
<b>OTHER INGREDIENTS:</b> .....	82.4%
<b>TOTAL:</b> .....	<b>100.0%</b>

Contains 0.011 lb. active ingredient per oz. of formulated product.

## 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 this label, find someone to explain it to you in detail.)

**FIRST AID - 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 ON SKIN OR 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 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 INHALED:** • Move person to fresh air. • If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to mouth, if possible. • Call a poison control center or doctor for further treatment advice. **HOTLINE NUMBERS** - Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency information concerning this product, call your poison control center at 1-800-222-1222. For general information about this product, contact the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8 AM to 12 PM PST, or at <http://npic.orst.edu>.

**PRECAUTIONARY STATEMENTS - HAZARDS TO HUMANS AND DOMESTIC ANIMALS - CAUTION** - Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Causes moderate eye irritation. Avoid breathing dust or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. **ENVIRONMENTAL HAZARDS** - This product is toxic to non-target plants. For terrestrial uses. **DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean highwater mark. **DO NOT** contaminate water by cleaning of equipment or disposal of equipment wash waters or rinsate. **DIRECTIONS FOR USE** - It is a violation of Federal law to use this product in a manner inconsistent with its labeling. - **READ ENTIRE LABEL.** USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

**STORAGE AND DISPOSAL** - **DO NOT** contaminate water, food, or feed by storage and disposal. **PESTICIDE STORAGE:** Store in a cool dry place. Keep pesticide in original container. Keep container closed when not in use. **DO NOT** put concentrate or dilute into food or drink containers. Not for use or storage in or around the home. **PESTICIDE DISPOSAL:** Waste resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. **CONTAINER HANDLING: Nonrefillable Plastic (Capacity Equal to or Less Than 50 Pounds):** 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 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. **DO NOT** burn, unless allowed by State and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

See label booklet for complete Precautionary Statements and Directions For Use.

### Manufactured For:

Sharda USA LLC, 7217 Lancaster Pike, Suite A, Hockessin, Delaware 19707

EPA Reg. No. 83529-184

EPA Est. No. **DJ** 05905-1A-001; **GH** 70815-GA-002;

**MC** 89332-GA-001; **SC** 39578-TX-001

The EPA Establishment Number is identified by the circled letters above that match the first two letters in the batch number.

**Net Contents: 1 lb. (0.45 kg)**

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