



U.S. ENVIRONMENTAL PROTECTION AGENCY

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

EPA Reg. Number:

83529-55

Date of Issuance:

6/9/16

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

SHARDA GLYPHOSATE IPA +  
DIQUAT DIBROMIDE

Name and Address of Registrant (include ZIP Code):

Sharda USA, LLC  
c/o Wagner Regulatory Associates, Inc.  
PO Box 640  
Hockessin, DE 19707

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

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

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

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

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Reuben Baris, Product Manager 25  
Herbicide Branch, Registration Division (7505P)

Date:

6/9/16

2. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, “EPA Reg. No. 83529-55.”
3. Submit one copy of the revised final printed label for the record before you release the product for shipment.

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

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

- Basic CSF dated 12/2/2015

If you have any questions, please contact Sarah Meadows by phone at 703-347-0505, or via email at [meadows.sarah@epa.gov](mailto:meadows.sarah@epa.gov).

Enclosure

GROUP	9	22	HERBICIDE
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## Sharda Glyphosate IPA + Diquat Dibromide

**Active Ingredients:**

Glyphosate, N-(phosphonomethyl)-glycine, as isopropylamine salt* .....	41.0%
Diquat Dibromide [6,7-dihydrodipyrido(1,2-a:2',1'-c) pyrazinediium dibromide] .....	2.1%
<b>Other Ingredients:</b> .....	<b>56.9%</b>
<b>Total:</b> .....	<b>100.0%</b>

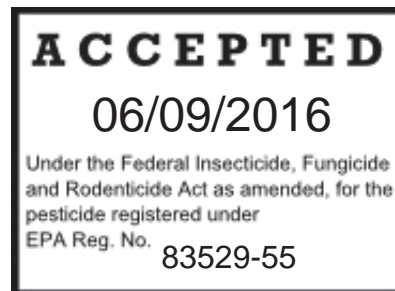
\*Contains 480 grams per liter or 4 pounds per U.S. gallon of the active ingredient glyphosate, in the form of isopropylamine salt and 0.21 lb. per gallon of the dibromide salt of diquat.  
 Equivalent to 358 grams per liter or 3 pounds per U.S. gallon of the acid, glyphosate and 0.11 lb. per gallon of diquat.

### KEEP OUT OF REACH OF CHILDREN CAUTION

See Attached Booklet for Additional Precautionary Statements and Directions for Use.

FIRST AID	
<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>● Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>● Do not give anything 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>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>
<p><b>Emergency Numbers</b></p> <p><b>For 24-hour medical emergency assistance (human or animal) call 1-800-222-1222.</b></p> <p><b>For chemical emergency assistance (spill, leak, fire, accident) call ChemTrec at 1-800-424-9300.</b></p>	
<p><b>Have the product label with you when calling a poison control center, or doctor, or going for treatment.</b></p>	

EPA Reg. No. 83529-XX  
 EPA Est. No. \_\_\_\_\_  
 NET CONTENTS: \_\_\_\_\_ GALLONS



7217 Lancaster Pike, Suite A  
 Hockessin, Delaware 19707

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION.** Avoid contact with eyes, skin or clothing. Harmful if swallowed or inhaled. Causes moderate eye irritation. Avoid breathing dust or spray mist. Remove contaminated clothing and wash clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Keep domestic animals and livestock out of treatment areas. Do not graze livestock on treated areas. **Sharda Glyphosate IPA + Diquat Dibromide** is considered relatively nontoxic to dogs and domestic animals; however, ingestion of large amounts of **Sharda Glyphosate IPA + Diquat Dibromide** or ingestion of freshly treated sprayed vegetation may result in temporary gastrointestinal irritation (vomiting, diarrhea, colic, etc.). If any such symptoms are observed, provide the animal with plenty of fluids to prevent dehydration. Call a veterinarian if symptoms persist for more than 24 hours.

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Applicators and other handlers must wear:**

- Coveralls over short-sleeved shirt and short pants
- Waterproof gloves
- Chemical-resistant footwear plus socks
- Protective eyewear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with Shypho-S8 concentrate. Do not reuse them. 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:**

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- 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.

## ENGINEERING CONTROL STATEMENTS

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in 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.

## ENVIRONMENTAL HAZARDS

**Sharda Glyphosate IPA + Diquat Dibromide** is toxic to 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. Do not contaminate water when cleaning of equipment or disposing of equipment washwaters or rinsate.

## PHYSICAL OR CHEMICAL HAZARDS

Do not mix or allow this product to come in contact with oxidizing agents, as a hazardous chemical reaction may occur. Spray solutions of **Sharda Glyphosate IPA + Diquat Dibromide** must be mixed, stored and applied using only stainless steel, aluminum, fiberglass, plastic or plastic-lined steel containers. **DO NOT MIX, STORE OR APPLY SHARDA GLYPHOSATE IPA + DIQUAT DIBROMIDE OR SPRAY SOLUTIONS OF SHARDA GLYPHOSATE IPA + DIQUAT DIBROMIDE IN GALVANIZED STEEL OR UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY TANKS.** **Sharda Glyphosate IPA + Diquat Dibromide** or spray solutions of **Sharda Glyphosate IPA + Diquat Dibromide** react with such containers and tanks to produce hydrogen gas which may form a highly combustible gas mixture. This gas mixture could flash or explode, causing serious personal injury, if ignited by open flame, spark, welder's torch, lighted cigarette, or other ignition source.

## DIRECTIONS FOR USE

It is a violation of Federal Law to use **Sharda Glyphosate IPA + Diquat Dibromide** in any manner inconsistent with its labeling.

Read the entire label before using this product. Use only according to label instructions.

Do not apply **Sharda Glyphosate IPA + Diquat Dibromide** 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 regulations.

#### PRODUCT USE PRECAUTIONS

- Use extreme care when applying this product to avoid drift. Minimal quantities of this product that come in contact with foliage, green stems, exposed non-woody roots, or fruit of crops (EXCEPT AS SPECIFIED FOR INDIVIDUAL ROUNDUP READY® CROPS), desirable plants, and trees, can cause severe damage and/or destruction to the plants on which treatment was not intended.
- AVOID APPLYING AT EXCESSIVE SPEED OR PRESSURE.

#### PRODUCT USE RESTRICTIONS

- Not all products recommended on this label are registered for use in California. Check the registration status of each product in California before using.
- Keep all unprotected persons out of operating areas or vicinity where there may be drift. Keep people and pets off treated areas until sprays have dried.
- Do not apply this product by air.
- Do not apply this product through any type of irrigation system.
- Do not apply when winds are gusty or under any other condition that favors drift.
- Do not use **Sharda Glyphosate IPA + Diquat Dibromide** on crops, timber, or other plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.

The likelihood of injury occurring from the use of **Sharda Glyphosate IPA + Diquat Dibromide** increases when winds are gusty, as wind velocity increases, when wind direction is constantly changing or when there are other meteorological conditions that favor spray drift. When spraying, avoid combinations of pressure and nozzle type that will result in splatter or fine particles (mist) which are likely to drift.

#### PRODUCT USE INFORMATION

**Product Description:** **Sharda Glyphosate IPA + Diquat Dibromide** is a post-emergent, systemic herbicide with no soil residual activity. It is generally non-selective and gives broad-spectrum control of many annual weeds, perennial weeds, woody brush and trees. It is formulated as a water-soluble liquid. It may be applied through most standard industrial or field-type sprayers after dilution and thorough mixing with water or other carriers according to label instructions.

**Time to Symptoms:** **Sharda Glyphosate IPA + Diquat Dibromide** moves through the plant from the point of foliage contact to and into the root system. Visible effects on most annual weeds occur within 1 day, but on most perennial weeds may occur 2 days later or more. Extremely cool or cloudy weather following treatment may slow activity of **Sharda Glyphosate IPA + Diquat Dibromide** and delay development of visual symptoms. Visible effects are a quick yellowing of the plant that advances to complete browning of above-ground growth and deterioration of underground plant parts.

**Mode of Action:** One of the active ingredients in **Sharda Glyphosate IPA + Diquat Dibromide** inhibits an enzyme found only in plants and microorganisms that is essential to the formation of specific amino acids. The second active ingredient disrupts cell integrity of photosynthetically active tissues in contacted foliage.

**Cultural Considerations:** Reduced control may result when applications are made to annual or perennial weeds that have been mowed, grazed, or cut, and have not been allowed to regrow to the recommended stage for treatment.

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

**Spray Coverage:** For best results, spray coverage should be uniform and complete. Do not spray weed foliage to the point of runoff.

**No Soil Activity:** Weeds must be emerged at the time of application to be controlled by **Sharda Glyphosate IPA + Diquat Dibromide**. Weeds germinating from seed after application will not be controlled. Unemerged plants arising from unattached underground rhizomes or rootstocks of perennials will not be affected by the herbicide and will continue to grow.

**Tank Mixing:** This product does not provide residual weed control. For subsequent residual weed control, follow a label-approved herbicide program.

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

**Annual Maximum Use Rate:** For non-crop uses, the combined total of all treatments must not exceed 10 quarts of **Sharda Glyphosate IPA + Diquat Dibromide** per acre per year.

#### **MIXING**

Clean sprayer parts immediately after using **Sharda Glyphosate IPA + Diquat Dibromide** by thoroughly flushing with water.

**NOTE:** REDUCED RESULTS MAY OCCUR IF WATER CONTAINING SOIL IS USED, SUCH AS VISIBLY MUDDY WATER OR WATER FROM PONDS AND DITCHES THAT IS NOT CLEAR.

#### **Mixing with Water**

Use caution to avoid siphoning back into the carrier source. Use approved anti-back-siphoning devices where required by state or local regulations. During mixing and application, foaming of the spray solution may occur. To prevent or minimize foam, avoid the use of mechanical agitators, terminate by-pass and return lines at the bottom of the tank and, if needed, use an approved anti-foam or defoaming agent.

#### **RESISTANCE MANAGEMENT**

**Sharda Glyphosate IPA + Diquat Dibromide** is both a Group 9 and a Group 22 herbicide. Any weed population may contain or develop plants naturally resistant to Group 9 and/or Group 22 herbicides. Weed species with acquired resistance to Group 9 and/or Group 22 herbicides may eventually dominate the weed population if Group 9 and/or Group 22 herbicides are used repeatedly in the same field 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 **Sharda Glyphosate IPA + Diquat Dibromide** or other Group 9 and/or Group 22 herbicides.

To delay herbicide resistance:

- Avoid consecutive use of **Sharda Glyphosate IPA + Diquat Dibromide** or other target site of action Group 9 and/or action Group 22 herbicides that have a similar target site of action, 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 at the tank mix or prepack rate on the weed(s) of concern.
- Base herbicide use on a comprehensive 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 recommendations for specific crops and resistant weed biotypes.

#### **SPRAY SOLUTION PREPARATION INSTRUCTIONS**

Follow the steps below to mix **Sharda Glyphosate IPA + Diquat Dibromide** with water alone or when preparing tank mixtures with other labeled products:

1. Place a 20-35 mesh screen or wetting basket over filling port.
2. Fill the spray tank through the screen one-half full with water and begin agitation.
3. Add **Sharda Glyphosate IPA + Diquat Dibromide** using a circular motion while pouring.
4. If the second product is a wettable powder, first make a slurry with the water carrier, then add the slurry SLOWLY through the screen into the tank. Continue agitation.
5. If a flowable formulation is used, premix one part flowable with one part water. Add diluted mixture SLOWLY through the screen into the tank. Continue agitation.
6. If an emulsifiable concentrate formulation is used, premix one part emulsifiable concentrate with two parts water. Add diluted mixture slowly through the screen into the tank. Continue agitation.
7. Continue filling the spray tank with water and add water soluble liquids near the end of the filling process.

When tank mixing with other products, maintain good agitation at all times until the contents of the tank are sprayed. If the spray mixture is allowed to settle, thorough agitation is required to resuspend the mixture before spraying is resumed.



Keep by-pass line on or near the bottom of the tank to minimize foaming. Screen size in nozzle or line strainers must not be finer than 50 mesh.

Always predetermine the compatibility of labeled tank mixtures of **Sharda Glyphosate IPA + Diquat Dibromide** with water carrier by mixing small proportional quantities in advance.

**Mixing for Hand-Held Sprayers**

Prepare the desired volume of spray solution by mixing the amount of **Sharda Glyphosate IPA + Diquat Dibromide** in water as shown in the following table to a clean empty sprayer. Add the appropriate amount of water and stir or agitate to ensure dissolution of **Sharda Glyphosate + Diquat**. If using **Sharda Glyphosate IPA + Diquat Dibromide** with a backpack sprayer, mix the amount of **Sharda Glyphosate IPA + Diquat Dibromide** and water in a large container, then fill sprayer with the mixed solution.

Spray Solution				
Volume	Amount of Sharda Glyphosate IPA + Diquat Dibromide (fl. oz.)			
	Annuals	Perennials	Brush	Low Volume Direct
1 gal.	2.0	2.5	2.5	6.7 – 13.3
3 gals.	6.0	7.5	7.5	20 – 40
10 gals.	20.0	25	25	67 – 133

**Colorants or Dyes**

Agriculturally approved colorants or marking dyes may be added to **Sharda Glyphosate + Diquat**. Colorants or dyes used in spray solutions of **Sharda Glyphosate IPA + Diquat Dibromide** may reduce performance, especially at lower rates or dilutions. Use colorants or dyes according to the manufacturer's instructions. Certain blue dyes are not stable in spray solutions mixed with **Sharda Glyphosate + Diquat**. Perform a jar test to determine if the desired blue dye is stable. If color stability is a problem, consider switching to an alternate color.

**Drift Control Additives**

Drift control additives may be used with all equipment types. When a drift control additive is used, read and carefully observe the cautionary statements and all other information appearing on the additive label.

**APPLICATION EQUIPMENT AND TECHNIQUES**

AVOID DRIFT. EXERCISE EXTREME CAUTION WHEN APPLYING **SHARDA GLYPHOSATE IPA + DIQUAT DIBROMIDE** TO ENSURE PROTECTION OF DESIRABLE PLANTS AND CROPS.

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all of these factors when making decisions.

Do not allow **Sharda Glyphosate IPA + Diquat Dibromide** solution to mist, drip, drift, or splash onto desirable vegetation since minute quantities of **Sharda Glyphosate IPA + Diquat Dibromide** can cause severe damage and/or destruction to the crop, plants or other areas on which treatment was not intended. APPLY THESE SPRAY SOLUTIONS IN PROPERLY MAINTAINED AND CALIBRATED EQUIPMENT CAPABLE OF DELIVERING DESIRED VOLUMES. DO NOT APPLY WHEN WINDS ARE GUSTY OR UNDER ANY OTHER CONDITION THAT FAVORS DRIFT.

**GROUND BROADCAST APPLICATION INSTRUCTIONS**

Use specified rates of **Sharda Glyphosate IPA + Diquat Dibromide** in 10-80 gallons of water per acre as a broadcast spray unless otherwise specified. As diversity of weeds increases, increase spray volume within the specified rate range to ensure complete coverage. Select proper nozzles to avoid fine mist sprays. Use flat-fan nozzles and check for even distribution of spray droplets for optimum product performance

**HAND-HELD AND HIGH-VOLUME EQUIPMENT**

Apply **Sharda Glyphosate IPA + Diquat Dibromide** to foliage of vegetation to be controlled. For applications made on a spray-to-wet basis, make sure that coverage is uniform and complete.

Do not spray to the point of runoff. Use coarse sprays only.

For control of weeds listed in the "Annual Weeds" section of "Weeds Controlled", apply 2 fl. oz. **Sharda Glyphosate IPA + Diquat Dibromide** per 1 gallon of spray solution. See "Mixing for Hand-Held Sprayers" for larger mixing volumes.

Use 2.5 fl. oz. **Sharda Glyphosate IPA + Diquat Dibromide** 1 gallon of spray solution on harder-to-control perennials, such as Bermudagrass, dock, field bindweed, hemp dogbane, milkweed, and Canada thistle. See table in "Mixing for Hand-Held Sprayers" for larger mixing volumes.

For low-volume directed spray applications, use 6.7-13.3 fl. oz. of **Sharda Glyphosate IPA + Diquat Dibromide** per 1 gallon of spray solution for control or partial control of brush weeds. See table in "Mixing for Hand-Held Sprayers" for larger mixing volumes. Spray coverage must be uniform with a minimum of 50% of the foliage contacted. Coverage of the top-half of the plant is important for best results. To ensure adequate spray coverage, spray both sides of brush and tree seedlings when foliage is thick and dense or where there are multiple sprouts.

#### **SITE AND USE INSTRUCTIONS**

Detailed instructions are listed alphabetically by site. Unless otherwise specified, applications may be made to control any weeds listed in the annual, perennial, and woody brush tables within registered use sites.

#### **GENERAL NON-CROP AREAS AND INDUSTRIAL SITES**

Use in non-crop and non-timber areas only, such as airports, apartment complexes, ditch banks, dry ditches, dry canals, fencerows, golf courses, lumberyards, manufacturing sites, office complexes, parks, parking areas, recreational areas, residential areas, schools, storage areas, and warehouse areas.

#### **GENERAL WEED CONTROL, TRIM-AND-EDGE AND BARE GROUND**

Apply **Sharda Glyphosate IPA + Diquat Dibromide** in general non-crop areas with any application equipment described in this label. Apply **Sharda Glyphosate IPA + Diquat Dibromide** to trim-and-edge around objects in non-crop sites, for spot treatment of unwanted vegetation and to eliminate unwanted weeds growing in established shrub beds or ornamental plantings. **Sharda Glyphosate IPA + Diquat Dibromide** may be used prior to planting an area to ornamentals, flowers, turfgrass (sod or seed), or prior to laying asphalt or beginning construction projects. **Sharda Glyphosate IPA + Diquat Dibromide** is not for use on plants grown for sale or other commercial uses, or for commercial seed production.

Repeated applications of **Sharda Glyphosate IPA + Diquat Dibromide** may be made as weeds emerge to maintain bare ground.

When applied as a tank mixture for bare ground, **Sharda Glyphosate IPA + Diquat Dibromide** provides control of emerged annual weeds and control or partial control of emerged perennial weeds.

#### **DORMANT TURFGRASS**

Apply **Sharda Glyphosate IPA + Diquat Dibromide** to control and/or suppress many winter annual weeds and tall fescue for effective release of dormant Bermudagrass and bahiagrass turf. Treat only when turf is dormant and prior to spring green-up. Do not use **Sharda Glyphosate IPA + Diquat Dibromide** on turf grown for sale or other commercial use such as sod, or for commercial seed production, or for research purposes.

Apply 8-27 ounces **Sharda Glyphosate IPA + Diquat Dibromide** per acre. Apply the specified rates in 10-80 gallons of water per acre. Use only in areas where Bermudagrass or bahiagrass are desirable groundcovers and where some temporary injury or discoloration can be tolerated.

Treatments in excess of 15 fl. oz. per acre may result in injury or delayed green-up in highly maintained areas, such as golf courses and lawns.

#### **TURFGRASS RENOVATION (EXCEPT FOR COMMERCIAL SOD FARMS)**

**Sharda Glyphosate IPA + Diquat Dibromide** controls most existing vegetation prior to renovating turfgrass areas. **Sharda Glyphosate IPA + Diquat Dibromide** is not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes. For maximum control of existing vegetation, delay planting or sodding to determine if any regrowth from escaped underground plant parts occurs. Where repeat treatments are necessary, sufficient regrowth must be attained prior to application. **Do not** use **Sharda Glyphosate IPA + Diquat Dibromide** for renovation of Bermudagrass or kikuyugrass sods. Where existing vegetation is growing under mowed turfgrass management, apply **Sharda Glyphosate IPA + Diquat Dibromide** after omitting at least one regular mowing to allow sufficient growth for good interception of the spray.

Do not disturb soil or underground plant parts before treatment. Tillage or renovation techniques such as vertical mowing, coring or slicing must be delayed for 7 days post-application to allow translocation into underground plant parts.

Desirable turfgrasses may be planted following the above procedures.



Hand-held equipment may be used for spot treatment of unwanted vegetation growing in existing turfgrass.

Do not feed or graze treated turfgrass or feed treated thatch to livestock.

### PARKS, RECREATIONAL, AND RESIDENTIAL AREAS

**Sharda Glyphosate IPA + Diquat Dibromide** may be used in parks, recreational, and residential areas. It may be applied with any application equipment described in this label. **Sharda Glyphosate IPA + Diquat Dibromide** may be used to trim-and-edge around trees, fences, paths, around buildings, sidewalks, and other objects in these areas. **Sharda Glyphosate IPA + Diquat Dibromide** may be used for spot treatment of unwanted vegetation. **Sharda Glyphosate IPA + Diquat Dibromide** may be used prior to planting an area to ornamentals, flowers, turfgrass (sod or seed), or prior to laying asphalt or beginning construction projects.

All of the instructions in the "GENERAL NON-CROP AREAS AND INDUSTRIAL SITES" section apply to park and recreational areas. **Sharda Glyphosate IPA + Diquat Dibromide** is not for use around plant being grown for sale or other commercial use.

### WEEDS CONTROLLED

Always use the higher rate of **Sharda Glyphosate IPA + Diquat Dibromide** per acre within the specified rate range when weed growth is heavy, dense, or weeds are growing in an undisturbed (non-cultivated) area.

Reduced control can occur when treating weeds heavily covered with dust. For weeds that have been mowed, grazed or cut, allow regrowth to occur prior to treatment.

Refer to the following label sections for specified rates for the control of annual and perennial weeds. For difficult to control perennial weeds and where plants are growing under stressed conditions, or where infestations are dense, **Sharda Glyphosate IPA + Diquat Dibromide** may be used at up to 10 quarts per acre for enhanced results.

### ANNUAL WEEDS

Use 7.5 quarts per acre **Sharda Glyphosate IPA + Diquat Dibromide** as a broadcast spray to control annual weeds.

For spray-to-wet applications, apply 2.0 fl. oz. of **Sharda Glyphosate IPA + Diquat Dibromide** per 1 gallon of spray solution.

Anoda, spurred	Florida pusley	Mayweed	Sowthistle, annual
Bassia, fivehook	Goosegrass	Morningglory ( <i>Ipomoea</i> spp.)	Spanishneedles
Carolina geranium	Hemp sesbania	Oats	Spurge, annual
Castor bean	Horseweed/ Marestail ( <i>Conyza canadensis</i> )	Purslane, common	Starthistle, yellow
Cheeseweed ( <i>Malva parviflora</i> )	Johnsongrass, seedling	Ragweed, giant	Teaweed/Prickly sida
Copperleaf, hophombeam	Junglerice	Red rice	Velvetleaf
Fiddleneck	Knotweed	Russian thistle	Virginia copperleaf
Filaree	Kochia	Sicklepod	

When using field broadcast equipment (boom sprayers using flat-fan nozzles) the following species will be controlled or partially controlled using 3.75 quarts of **Sharda Glyphosate IPA + Diquat Dibromide** per acre. Applications must be made using 10-80 gallons of carrier volume per acre. Use nozzles that ensure thorough coverage of foliage and treat when weeds are in an early growth stage.

Barley	Cheatgrass	False dandelion	Pigweed	Spurge, spotted
Barnyardgrass	Chervil	False flax, smallseed	Prickly lettuce	Spurry, umbrella
Bittercress	Chickweed	Field pennycress	Ragweed, common	Stick grass
Black Nightshade	Cocklebur	Fleabane, annual	Rye	Sunflower
Bluegrass, annual	Dwarf dandelion	Itchgrass	Ryegrass	Texas panicum
Bluegrass, bulbous	Eastern mannagrass	Lambsquarters	Sandbur, field	Virginia pepperweed
Brome, downy	Eclipta	Little barley	Shattercane	Wheat
Brome, Japanese	Fall panicum	London Rocket	Shepherd's purse	Wild oats
Browntop panicum	Fleabane, hairy ( <i>Conyza bonariensis</i> )	Medusahead	Signalgrass, broadleaf	Witchgrass
Buttercup	Fleabane, rough	Mustard, blue	Smartweed, ladythumb	Woolly cupgrass
Carolina foxtail	Foxtail	Mustard, tansy	Smartweed, Pennsylvania	Yellow rocket
Corn	Goatgrass, jointed	Mustard, tumble	Speedwell, purslane	

Corn, speedwell	Grain sorghum (milo)	Mustard, wild	Sprangletop	
Crabgrass	Groundsel, common	Plains/Tickseed coreopsis	Spurge, prostrate	

### PERENNIAL WEEDS

For optimum results, treat perennial weeds after they reach the reproductive stage of growth (seedhead formation in grasses and bud formation in broadleaves). For nonflowering plants, optimum results are obtained when the plants reach a mature stage of growth. In many situations, treatments are required prior to these growth stages. Under these conditions, use the higher application rate within the specified rate range.

Use 7.5 quarts per acre **Sharda Glyphosate IPA + Diquat Dibromide** as a broadcast spray to control perennial weeds.

For spray-to-wet applications, apply 2.5 fl. oz. of **Sharda Glyphosate IPA + Diquat Dibromide** per 1 gallon of spray solution. Ensure thorough coverage when using spray-to-wet treatments using hand-held equipment.

When using hand-held equipment for low-volume, directed spot treatments, apply 6.7-13.3 fl. oz. **Sharda Glyphosate IPA + Diquat Dibromide** per 1 gallon of spray solution. Allow 7 or more days after application before tillage.

Alfalfa*	Cattail	Jerusalem artichoke	Phragmites*
Alligator weed*	Clover, red & white*	Johnsongrass	Poison hemlock Redvine*
Anise (fennel)	Cogongrass	Knapweed	Quackgrass
Bahiagrass	Dallisgrass	Kikuyugrass*Lantana	Redvine*
Beachgrass, European ( <i>Ammophila arenaria</i> )	Dandelion	Lespedeza	Reed, giant
Bentgrass*	Dock, curly	Milkweed, common	Ryegrass, perennial
Bermudagrass*	Dogbane, hemp	Muhly, wirestem	Spurge, leafy*
Bermudagrass, water (knotgrass)	Fescue (except tall)	Mullein, common	Thistle, artichoke & Canada
Bindweed, field	Fescue tall	Napier grass	Timothy
Bluegrass, Kentucky	German ivy	Nightshade, silverleaf	Torpedograss*
Blueweed, Texas	Guineagrass	Nutsedge, purple, yellow	Trumpetcreeper*
Bromegrass, smooth	Horsenettle	Orchardgrass	Vaseygrass
Bursage, woolly-leaf	Horseradish	Pampasgrass	Velvetgrass
Canarygrass, reed	Ice plant	Pepperweed, perennial	Wheatgrass, western

\*Partial control

### WOODY BRUSH AND TREES

For optimal results, treat brush weeds when they are in the seedling stage of growth. In many situations, retreatment is required on larger plants. Under these conditions, use the higher rate within the specified rate range.

Use 7.5 quarts per acre **Sharda Glyphosate IPA + Diquat Dibromide** as a broadcast spray.

For spray-to-wet applications, apply 2.5 fl. oz. of **Sharda Glyphosate IPA + Diquat Dibromide** per 1 gallon of spray solution. Ensure thorough coverage when using spray-to-wet treatments using hand-held equipment.

When using hand-held equipment for low-volume, directed spot treatments, apply 6.7-13.3 fl. oz. of **Sharda Glyphosate IPA + Diquat Dibromide** per 1 gallon of spray solution.

Allow 7 or more days after application before tillage.

Alder	Elm*	Oak, southern red	Saltcedar*
Ash*	Honeysuckle	Oak, white*	Sumac, laurel, poison, smooth, sugar bush, winged*
Beech*	Locust, black*	Peppertree, Brazilian (Florida Holly)*	Sweetgum
Birch	Maple, red	Pine	Vine maple*
Blackberry	Maple, sugar	Poison ivy*	Virginia creeper
Blackgum	Oak, black*	Poison oak*	Waxmyrtle, southern*
Cherry, bitter, black, pin	Oak, Northern pin	Poplar, yellow*	
Dogwood*	Oak, post	Redbud, eastern	
Elderberry	Oak, scrub*	Rose, multiflora	

\*Partial Control

### STORAGE AND DISPOSAL

Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

**PESTICIDE STORAGE:** STORE ABOVE 10°F (-12°C) TO KEEP PRODUCT FROM CRYSTALLIZING. Crystals will settle to the bottom. If allowed to crystallize, place in a warm room 68°F (20°C) for several days to redissolve and shake or roll to mix well before using.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state or local procedures. Emptied container retains vapor and product residue. Observe all label safeguards until container is destroyed.

**CONTAINER HANDLING: NON REFILLABLE CONTAINER (EQUAL TO OR LESS THAN 5 GALLONS):** Do not reuse container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available.

**NONREFILLABLE CONTAINER (GREATER THAN 5 GALLONS):** Do not reuse container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. 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. Offer for recycling, if available.

**RETURNABLE / REFILLABLE CONTAINERS:** After use, return the container to the point of purchase or designated locations. Refill this container with **Sharda Glyphosate IPA + Diquat Dibromide** only. DO NOT REUSE THIS CONTAINER FOR ANY OTHER PURPOSE. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

### LIMIT OF WARRANTY AND LIABILITY

Sharda USA LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes set forth in the Complete Directions for Use label booklet ("Directions") when used in accordance with those Directions under the conditions described therein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW NO OTHER EXPRESS WARRANTY OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY IS MADE. This warranty is also subject to the conditions and limitations stated herein.

Buyer and all users shall promptly notify Sharda USA LLC of any claims whether based in contract, negligence, strict liability, other tort or otherwise.

Buyer and all users are responsible for all loss or damage from use or handling which results from conditions beyond the control of Sharda USA LLC, including, but not limited to, incompatibility with products other than those set forth in the Directions, application to or contact with desirable vegetation, unusual weather, weather conditions which are outside the range considered normal at the application site and for the time period when the product is applied, as well as weather conditions which are outside the application ranges set forth in the Directions, application in any manner not explicitly set forth in the Directions, moisture conditions outside the moisture range specified in the Directions, or the presence of products other than those set forth in the Directions in or on the soil, crop or treated vegetation.

Sharda USA LLC does not warrant any product reformulated or repackaged from this product except in accordance with Sharda USA LLC's stewardship requirements and with express written permission from Sharda USA LLC. For over-the-top uses on Roundup Ready crop varieties, crop safety and weed control performance are not warranted by Sharda USA LLC when this product is used in conjunction with "brown bag" or "bin run" seed saved from previous year's production and replanted.

**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE LIMIT OF THE LIABILITY OF SHARDA USA LLC OR ANY OTHER SELLER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT (INCLUDING CLAIMS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE) SHALL BE THE PURCHASE PRICE PAID BY THE USER OR BUYER FOR THE QUANTITY OF THIS PRODUCT INVOLVED, OR, AT THE ELECTION OF SHARDA USA LLC OR ANY OTHER SELLER, THE REPLACEMENT OF SUCH QUANTITY, OR, IF NOT ACQUIRED BY PURCHASE, REPLACEMENT OF SUCH QUANTITY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW IN NO EVENT SHALL SHARDA USA LLC OR ANY OTHER SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES.**

Upon opening and using this product, buyer and all users are deemed to have accepted the terms of this LIMIT OF WARRANTY AND LIABILITY, which may not be varied by any verbal or written agreement. If terms are not acceptable, return at once unopened.