



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

EPA Reg. Number:

83529-46

Date of Issuance:

12/2/15

NOTICE OF PESTICIDE:

Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Sharda Metribuzin 4SC

Name and Address of Registrant (include ZIP Code):

Sharda USA LLC
 c/o Wagner Regulatory Associates, Inc.
 P.O. 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 her 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 conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA 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:

12/2/15

2. You are required to comply with the data requirements described in the DCI or EDSP Order identified below:
 - a. Metribuzin GDCI-101101-1304
 - b. Metribuzin EDSP-101101-127

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI or EDSP Order listed above, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division: http://www.epa.gov/oppsrrd1/contacts_prd.htm

3. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 83529-46.”
4. Submit one copy of the 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 you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). 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 4/16/2015

If you have any questions, please contact Emily Schmid by phone at 703-347-0189, or via email at schmid.emily@epa.gov.

Enclosure

GROUP	5	HERBICIDE
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SHARDA METRIBUZIN 4SC

For Control of Certain Grasses and Broadleaf Weeds in Alfalfa and Sainfoin, Asparagus, Spring and Winter Barley and Winter Wheat, Carrots, Field Corn, Garbanzo Beans, Lentils and Peas, Potatoes, Soybeans, Sugarcane, and Tomatoes

ACTIVE INGREDIENT:

Metribuzin*: 4-Amino-6-(1,1-dimethylethyl)-3-(methylthio)-1,2,4-triazin-5(4H)-one 42.7%

OTHER INGREDIENTS: 57.3%

TOTAL: 100.0%

*Contains 4 lbs. active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
IF ON SKIN	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
IF SWALLOWED	<ul style="list-style-type: none"> 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.
<p>Have the product container or label with you when calling a poison control center or doctor. For 24-hour medical emergency assistance (human or animal) call 1-800-222-1222. For chemical emergency assistance (spill, leak, fire, or accident) call: CHEMTREC 1-800-424-9300.</p>	
<p>Note to Physician: Treat the patient symptomatically. Symptoms of Poisoning: The compound does not cause any definite symptoms that would be diagnostic. Poisoning is accompanied by breathing difficulties and sedation.</p>	

EPA Reg. No. 83529-XX

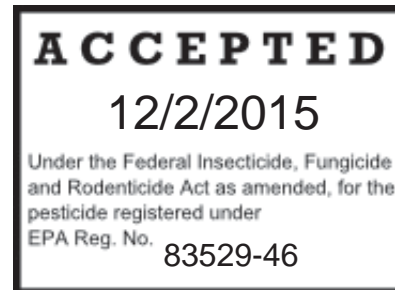
EPA EST No. _____

Net Contents: _____

Manufactured for:



7217 Lancaster Pike, Suite A
Hockessin, Delaware 19707



PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTION EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Socks plus shoes

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 CONTROLS

When handlers use closed systems, enclosed cabs, or aircraft 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

User should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using 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, washing thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal area below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

GROUNDWATER ADVISORY

METRIBUZIN is a chemical which can travel (seep or leach) through soil and can contaminate ground water which may be used as drinking water. METRIBUZIN has been found in groundwater as a result of agricultural use. Users are advised not to apply METRIBUZIN where the water table (groundwater) is close to the surface, and where the soils are very permeable, i.e., well drained soils such as loamy sands. Your local agricultural agencies can provide further information on the type of soil in your area and the location of groundwater.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

NOTICE: Read these entire Directions and Conditions of Sale before using Sharda Metribuzin 4SC Herbicide.

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.

PRODUCT INFORMATION

Sharda Metribuzin 4SC is a Group 5 herbicide for use on a broad spectrum of grass and broadleaf weeds in Alfalfa and Sainfoin, Asparagus, Spring and Winter Barley and Winter Wheat, Carrots, Field Corn, Garbanzo Beans, Lentils and Peas, Potatoes, Soybeans, Sugarcane, and Tomatoes. Sharda Metribuzin 4SC can be used pre- and post-emergence for foliar and soil applications, with residual weed control.

MIXING

When using Sharda Metribuzin 4SC, make sure the sprayer is completely clean, free of rust or corrosion which occurs from winter storage. Examine strainers and screens to be sure the sprayer is clean from previously used pesticides.

Any tank mix containing Sharda Metribuzin 4SC should be kept agitated and sprayed out immediately. Do not allow tank mixes to stand for prolonged periods of time.

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

The proper mixing procedure for Sharda Metribuzin 4SC alone or in tank mix combinations with other herbicides is:

1. Fill the spray tank 1/4 to 1/3 full with clean water.
2. Add recommended rate of Sharda Metribuzin 4SC while recirculating and with agitator running.
3. Follow the triple rinse procedure described under "**STORAGE AND DISPOSAL**" to insure that all product is removed from the container.
4. Mix thoroughly and add clean water to fill spray tank to desired level.
5. Add the other herbicide to tank last and agitate thoroughly.
6. Continue agitation during application and until sprayer tank is empty.

SOIL TEXTURE: As used on this label, "Coarse soils" are loamy sand or sandy loam soils. "Medium soils" are loam, silt loam, silt, sandy clay, or sandy clay loam. "Fine soils" are silty clay, silty clay loam, clay, or clay loam. Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

USE RESTRICTIONS FOR ALL USES

- Do not use on other crops grown for food or forage. Apply this product only as specified on this label.
- Do not allow sprays to drift on to adjacent desirable plants. Observe all precautions and restrictions on labeling of all products used in mixtures.
- Do not rotate any crop not listed on this label for 18 months following application.
- For all uses: Low-pressure (20 to 40 PSI), high volume hand-wand equipment is prohibited.

CHEMIGATION

Sharda Metribuzin 4SC is recommended for application through sprinkler irrigation equipment to potatoes, soybeans, tomatoes, and asparagus as directed on this label. Refer to the crop sections of this label for rates, weeds controlled or suppressed, restrictions, and special precautions.

Apply this product only through sprinkler (including center pivot, lateral move, or solid set) irrigation systems. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.

Calibration: (Center Pivot and Self-Propelled Lateral Move Systems): Sprinkler irrigation systems must be accurately calibrated for application of Sharda Metribuzin 4SC. Greater accuracy in calibration (and distribution) will be achieved by injecting a larger volume of a more dilute mixture of product and water per hour. Follow the steps below to calibrate center pivot and lateral move systems:

1. Determine number of minutes required to make one complete revolution while applying 1/4 to 3/4 inch of water

per acre.

2. With the system at operating pressure determine the exact number of minutes required to inject one gallon of water.
3. Divide the time required for one revolution (step 1) by the time required to inject one gallon (step 2). This gives total gallons of product-water mixture to be added to nurse tank.
4. Add required amount of water to nurse tank and start the agitation system. Then add sufficient Sharda Metribuzin 4SC at the labeled rate (See **BROADCAST APPLICATIONS**) to the nurse tank.

EXAMPLE: If 20 hours (1,200 minutes) were required for one revolution and if 2 minutes were required to inject one gallon, then a total of 600 gallons of product-water mixture are required ($1,200 \div 2 = 600$); to treat 135 acres at 1 pint/acre, 135 pints (16 gallons and 7 pints) of Sharda Metribuzin 4SC are required.

If you have questions about calibration, contact State Extension Service Specialists, equipment manufacturers or other experts.

Do not connect any irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Maintain continuous agitation in the injection nurse tanks during the herbicide application, sufficient to keep herbicide in suspension.

Apply specified dosage in 1/4 to 3/4 inch of water (1/4 to 1/2 inch of water on sandy soils) per acre as a continuous injection in center pivot and lateral move systems or in the last 15 to 30 minutes of set in permanent solid set sprinkler systems. Application of more than the quantity of irrigation water recommended on this label may result in decreased product performance by removing the chemical from the zone effectiveness. Where sprinkler distribution patterns do not overlap sufficiently, unacceptable weed control may result. Where sprinkler distribution patterns overlap excessively, crop injury may result. Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. To insure that lines are flushed and free of remaining pesticide, an indicator dye may be injected into the lines to mark the end of the application period.

Use a minimum of 1 part water to 1 part herbicide for injection. The use of a larger volume of water will insure greater accuracy and more uniform distribution.

AERIAL DRIFT REDUCTION ADVISORY INFORMATION

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

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations:

1. The distance of the outer most nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.
3. Where states have more stringent regulations, they must be observed.
4. The applicator should be familiar with and take into account the information covered in the **AERIAL DRIFT REDUCTION ADVISORY INFORMATION**.

INFORMATION ON DROPLET SIZE: The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see **WIND, TEMPERATURE AND HUMIDITY**, and **TEMPERATURE INVERSIONS**).

CONTROLLING DROPLET SIZE:

- **Volume** – Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rates flows produce larger droplets.
- **Pressure** – Do not exceed the nozzle manufacturer’s recommended pressures. For many nozzle types lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- **Number of Nozzles** – Use the minimum number of nozzles that provide uniform coverage.
- **Nozzle Orientation** – Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.
- **Nozzle Type** – Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

BOOM LENGTH: For some use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.

APPLICATION HEIGHT: Make applications at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

SWATH ADJUSTMENT: When applications are made with a crosswind, the swath will be displaced downwind. Therefore, on the up and downward edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with increasing drift potential (high wind, smaller drops, etc.).

WIND: Drift potential is lowest between wind speeds of 2 to 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. **NOTE:** Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

TEMPERATURE AND HUMIDITY: When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

TEMPERATURE INVERSIONS: Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified 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.

SENSITIVE AREAS: Only apply Sharda Metribuzin 4SC when the potential for drift to adjacent sensitive areas (e.g., residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g., when wind is blowing away from the sensitive areas).

APPLICATION OF SHARDA METRIBUZIN 4SC WITH HERBICIDE SPRAY EQUIPMENT

Use a standard low pressure (20 to 40 psi) herbicide boom sprayer equipped with suitable nozzles and screens no finer than 50-mesh in nozzle and in-line strainers. Agitate thoroughly before and during application with bypass agitation.

GROUND APPLICATION: Apply the proper rate of Sharda Metribuzin 4SC in a minimum of 10 to 40 gallons of spray mixture per acre broadcast. Banded Application: Use proportionally less Sharda Metribuzin 4SC per acre in a band versus a broadcast application. For band application use 1/4 to 1 gallon of spray mix per inch of band width regardless of row spacing.

EXAMPLES: (1) To treat a 15-inch band on rows 30 inches apart, use one-half of the broadcast rate of Sharda Metribuzin 4SC. (2) To treat a 14-inch band on rows 42 inches apart, use one-third of the broadcast rate of Sharda Metribuzin 4SC.

AERIAL APPLICATION: Where permitted, apply specified rate in a minimum of 2 to 10 gallons of spray mixture per acre. Do not apply aerially when wind speed is greater than 10 mph.

NOTE: Do not apply aerially when Sharda Metribuzin 4SC is tank mixed with Lasso.

For All Applications of Sharda Metribuzin 4SC: Sprayer must be accurately calibrated before applying Sharda Metribuzin 4SC. Check sprayer during application to be sure it is working properly and delivering a uniform spray pattern. As the volume of spray mixture decreases per acre, the importance of accurate calibration and uniform application increases. Avoid over application, misapplication, and boom and spray swath overlapping that will increase spray dosage. (Crop injury may occur as a result.) Avoid spray skips and gaps which allow weeds to grow in untreated soil. Do not apply when weather conditions favor spray drift and/or when sensitive or cool season crops, such as cole crops, onions, peas, or strawberries are present in adjacent fields or in areas where wheat is growing in coarse textured soils.

SPRAYER CLEANUP: Spray equipment must be thoroughly cleaned to remove remaining traces of herbicide that might injure other crops to be sprayed. Drain any remaining spray solution of Sharda Metribuzin 4SC from the spray tank and dispose of according to label disposal instructions. Rinse the spray tank and refill with water, adding a heavy-duty detergent at the rate of one cup per 20 gallons of water. Recycle this mixture through the equipment for 5 minutes and spray out. Repeat this procedure twice. Fill the spray tank with clean water, recycle for 5 minutes, and spray out. Clean pump and nozzle screens thoroughly. Wash away any spray mixture from the outside of spray tank, nozzles, or spray rig. All rinse water must be disposed of in compliance with local, state, and Federal guidelines.

APPLICATION OF SHARDA METRIBUZIN 4SC IN FLUID FERTILIZERS

Sharda Metribuzin 4SC may be applied in fluid fertilizer solutions to alfalfa and soybeans by following the appropriate mixing procedures and compatibility check. When using tank mix combinations, be sure all components are compatible. Compatibility checks of Sharda Metribuzin 4SC and tank mix combinations which include Sharda Metribuzin 4SC should be made for each batch of fluid fertilizers because of the variability of these fertilizers.

Compatibility Check:

1. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).
2. Pre-mix 2 teaspoons of Sharda Metribuzin 4SC with 8 teaspoons of water (1:4 ratio) in a quart jar by adding the water first and followed with Sharda Metribuzin 4SC. Mix thoroughly. If a second herbicide is to be used, double the amount of water (1:8 ratio) and add the second herbicide after mixing Sharda Metribuzin 4SC first.
3. Then pour 1 pint of fluid fertilizer into the quart jar and shake well.
4. Allow to stand for 5 minutes.

ONLY USE THIS COMPATIBILITY CHECK WHEN MIXING WITH FLUID FERTILIZERS.

Interpretation of Results: If the solution in the jar appears to be uniform, without signs of agglomeration, or without a separation of an oily film on top of the fertilizer, the mixture may be used. If not, repeat the compatibility check using twice the amount of water or add a compatibility agent to the water. If separation occurs, but the mixture can be re-suspended by shaking, then application is possible with good agitation in the spray tank.

Fertilizer Tank Mixing Guidelines:

1. Add the required amount of water and compatibility agent (if required) to the tank. Start agitation system while adding Sharda Metribuzin 4SC and follow by adding the fluid fertilizer and agitate.
2. If a second herbicide is to be used, follow as above in 1, but use twice the amount of water. Start agitation and add Sharda Metribuzin 4SC and follow by adding the second herbicide, and then continue filling the tank with fluid fertilizer.
3. Maintain continuous agitation to assure uniform spray mixture until the tank is emptied.

COMMERCIAL IMPREGNATION AND APPLICATION OF SHARDA METRIBUZIN 4SC ON DRY BULK FERTILIZER

Dry bulk fertilizer may be impregnated or coated with Sharda Metribuzin 4SC for application to established alfalfa and to soybeans. All recommendations, cautions, and special precautions on this label must be followed along with state regulations relating to dry bulk fertilizer blending, impregnating and labeling.

Impregnation: To impregnate, use a system consisting of a belt, conveyor, or closed drum which is used for dry bulk fertilizer blending. Any commonly used fertilizer can be impregnated with Sharda Metribuzin 4SC except ammonium nitrate, potassium nitrate, or sodium nitrate. Do not use on powder limestone.

Apply using a minimum of 200 lbs. dry bulk fertilizer per acre and up to a maximum of 450 lbs. per acre. To impregnate or coat dry bulk fertilizer, mix Sharda Metribuzin 4SC with sufficient water to form a sprayable slurry. The delivery nozzles must be directed to deliver a fine spray toward the fertilizer for thorough coverage while avoiding spray contact with mixing equipment. Uniform impregnation of Sharda Metribuzin 4SC to dry bulk fertilizer will vary and if the absorptivity is not adequate, an adsorptive powder may be added to produce a dry, free-flowing mixture. Micro-Cel E (Johns-Manville Product Corporation) is the recommended absorbent powder. When another herbicide is used with Sharda Metribuzin 4SC, mix and impregnate immediately.

Apply immediately after impregnation unless experience has shown that impregnated fertilizer can be stored without becoming lumpy and difficult to spread.

Rates: Select the rate of Sharda Metribuzin 4SC per acre from the appropriate section of this label and refer to the formula below to determine the amount of Sharda Metribuzin 4SC which is to be impregnated on a ton of dry bulk fertilizer based on the amount of fertilizer which will be distributed on one acre.

$$\frac{\text{Pints Sharda Metribuzin 4SC}}{\text{Per Acre}} \times \frac{2,000 \text{ lbs. Fertilizer}}{\text{Per Acre}} = \frac{\text{Pints Sharda Metribuzin 4SC}}{\text{Ton of Fertilizer}}$$

APPLICATION: Uniform application is essential for satisfactory weed control. Accurate calibration of fertilizer application equipment is essential for uniform distribution to the soil surface. The recommended method of application is to apply 1/2 the specified rate and overlap 50 percent or to double apply by splitting the middles to obtain the best distribution pattern.

If fertilizer materials are excessively dusty, use diesel oil or other suitable additive to reduce dust prior to impregnation as dusty fertilizer will result in poor distribution during application. Crop injury and/or poor weed control may occur where the impregnated fertilizer is not uniformly applied.

INCORPORATION AND COMBINATION USES: When Sharda Metribuzin 4SC is to be used in combination with another herbicide, follow directions on this label for combinations, rates, crops, incorporation, and special precautions.

SOYBEANS
(Except in California)

Sharda Metribuzin 4SC herbicide tank mix combinations are recommended for pre-plant incorporated applications, Pre-emergence surface applications, Split-Shot application, and Extended Split-Shot application. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another). Sharda Metribuzin 4SC may also be used as an overlay application following a pre-plant incorporated application of a recommended grass herbicide and alone as a Pre-emergence surface application. All these applications can be applied with ground equipment, and some can be applied with aerial spray equipment. In addition, Sharda Metribuzin 4SC can be applied as a post-emergence directed spray to soybeans in Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee, and Texas (refer to the **SOYBEANS: SOUTHERN AND SOUTHEASTERN STATES ONLY - Post-**

Emergence Directed Spray Applications section).

Special Precautions (soybeans): Injury to soybeans may occur when Sharda Metribuzin 4SC is used under the following conditions:

- When soils have a calcareous surface area or a pH of 7.5 or higher.
- Due to the sensitivity of certain soybean varieties, Sharda Metribuzin 4SC is not recommended for use on Altona, AP 55, AP 71, Asgrow 6520, Burlison, Coker 102, Coker 156, Dassel, GL 3202, Govan, Maple Amber, NB 3665, NKS 1884, Paloma 350, Portage, Regal, Semmes, Terra-Vig 505, Terra-Vig 606, Tracy, Vansoy, and Vinton 81. Consult your Sharda Representative or your seed supplier for information on the tolerance to Sharda Metribuzin 4SC of newly released soybean varieties, prior to use of Sharda Metribuzin 4SC.
- When applied in conjunction with soil-applied organic phosphate pesticides.
- Over application or boom overlapping may result in stand loss and soil residues.
- Uneven application or improper incorporation can decrease the level of weed control and/or increase the level of injury.
- When applied to any soil with less than 1/2% organic matter.
- Soil incorporation deeper than recommended.
- When sprayers are not calibrated accurately.
- When heavy rains occur soon after application, especially in poorly drained areas where water may stand for several days.
- When soybeans are planted less than 1-1/2 inches deep, particularly in Pre-emergence application.

Activation: A minimum amount of moisture is required to activate Sharda Metribuzin 4SC. In areas of low rainfall, Pre-emergence applications to dry soil should be followed with light irrigation of 1/4 acre inch of water. Do not apply heavy irrigation immediately after application. As with many surface-applied herbicides, weed control and crop tolerance may vary with rainfall and/or soil texture.

Grazing and Feeding Treated Vines: Treated vines may be grazed or fed to livestock 40 days after application when Sharda Metribuzin 4SC is applied alone or with Treflan®, Dual®, Prowl®, or Lasso®.

Do not use treated vines for feed or forage when Sharda Metribuzin 4SC is applied with Sonalan®, linuron plus Lasso, or linuron plus Dual.

Rate Ranges: Where a rate change is shown, use a lower rate on soils that are coarse-textured or low in organic matter. Use a higher rate on soils that are relatively fine-textured in organic matter.

Replanting: If replanting is necessary in fields treated with Sharda Metribuzin 4SC as directed on this label, the field may be replanted to soybeans. When replanting, a minimum of tillage is recommended. Do not apply a second treatment as injury to soybeans may occur.

WEEDS CONTROLLED BY SHARDA METRIBUZIN 4SC AND SHARDA METRIBUZIN 4SC HERBICIDE TANK MIX COMBINATIONS											
C=Control	S=Suspension or Erratic Control	P=Poor or No Control	O=No information (Control may range from poor to excellent)								
1=Sharda Metribuzin 4SC Alone	2=Sharda Metribuzin 4SC Split-Shot	3=Sharda Metribuzin 4SC Plus Treflan	4=Sharda Metribuzin 4SC Plus Dual	5=Sharda Metribuzin 4SC Plus Prowl	6=Sharda Metribuzin 4SC Plus Lasso	7=Extended Split-Shot	8=Sharda Metribuzin 4SC Plus Sonalan	9=Sharda Metribuzin 4SC Plus Linuron plus (Lasso or Dual)			
ANNUAL BROADLEAF WEEDS			1	2	3	4	5	6	7	8	9
Black Nightshade (<i>Solanum nigrum</i>)			P	P	P	C	P	C	C	P	S
Bristly Starbur (<i>Acanthospermum hispidum</i>)			C	C	C	C	C	C	C	C	C
Buffalobur (<i>Solanum rostratum</i>)			C	C	P	P	P	P	C	P	O
Carpetweed (<i>Mollugo verticillata</i>)			C	C	C	C	C	C	C	C	C
Cocklebur (<i>Xanthium pensylvanicum</i>)			S	C	S	S	S	S	C	S	S
Copperleaf, Hophornbeam (<i>Acalypha ostryaefolia</i>)			C	C	C	C	C	C	C	C	C
Florida Beggarweed (<i>Desmodium tortuosum</i>)			C	C	C	C	C	C	C	C	C
Florida Pusley (<i>Richardia scabra</i>)			C	C	C	C	C	C	C	C	C
Galinsoga (<i>Galinsoga</i> spp.)			C	C	C	C	C	C	C	C	C
Horseweed Maretail (<i>Conyza canadensis</i>)			O	O	O	O	O	O	C	O	O
Jimsonweed (<i>Datura stramonium</i>)			C	C	C	C	C	C	C	C	S
Knotweed (<i>Polygonum</i> spp.)			C	C	C	C	C	C	C	C	C
Kochia (<i>Kochia scoparia</i>)			C	C	C	C	C	C	C	C	C
Lambsquarters (<i>Chenopodium</i> spp.)			C	C	C	C	C	C	C	C	C

Morningglory, Ivyleaf (<i>Ipomoea hederacea</i>)	P	P	S	P	P	P	P	P	P
Morningglory, Pitted (<i>Ipomoea lacunose</i>)	P	P	S	P	P	P	P	P	P
Morningglory, Smallflower (<i>Jacquemontia tamnifolia</i>)	P	P	C	P	P	P	P	P	P
Morningglory, Tall (<i>Ipomoea purpurea</i>)	P	P	S	P	P	P	P	P	P
Pigweeds (<i>Amaranthus</i> spp.)	C	C	C	C	C	C	C	C	C
Prickly Sida/Teaweed (<i>Sida spinosa</i>)	C	C	C	C	C	C	C	C	C
Purslane (<i>Portulaca oleracea</i>)	C	C	C	C	C	C	C	C	C
Ragweed, Common (<i>Ambrosia artemisiifolia</i>)	C	C	C	C	C	C	C	C	C
Redweed (<i>Melochia corchorifolia</i>)	C	C	C	C	C	C	C	C	C
Russian Thistle (<i>Salsola kali</i>)	C	C	C	C	C	C	C	C	C
Sesbania (<i>Sesbania</i> spp.)	C	C	C	C	C	C	C	C	C
Shepherd's purse (<i>Capsella bursa-pastoris</i>)	C	C	C	C	C	C	C	C	C
Sicklepod (<i>Cassia obtusifolia</i>)	C	C	S	C	S	C	C	S	S
Smartweeds (<i>Polygonum</i> spp.)	C	C	C	C	C	C	C	C	S
ANNUAL BROADLEAF WEEDS	1	2	3	4	5	6	7	8	9
Spotted Spurge (<i>Euphorbia maculata</i>)	C	C	P	C	P	C	C	P	O
Spurred Anoda (<i>Anoda cristata</i>)	C	C	C	C	C	C	C	C	O
Sunflower (<i>Helianthus</i> spp.)	C	C	S	S	S	S	C	S	P
Velvetleaf (<i>Abutilon theophrasti</i>)	C	C	C	C	C	C	C	C	C
Venice Mallow (<i>Hibiscus trionum</i>)	C	C	C	C	C	C	C	C	C
Wild Mustards (<i>Brassica</i> spp.)	C	C	C	C	C	C	C	C	C
ANNUAL GRASSES									
Barnyard Grass (<i>Echinochloa crus-galli</i>)	S	C	C	C	C	C	C	C	C
Bluegrass (<i>Poa annua</i>)	C	C	C	C	C	C	C	C	C
Broadleaf Signalgrass (<i>Brachiaria platyphylla</i>)	C	C	C	C	C	C	C	C	O
Browntop Millet (<i>Panicum ramosum</i>)	C	C	C	P	C	S	C	O	O
Crabgrass (<i>Digitaria</i> spp.)	C	C	C	C	C	C	C	C	C
Crowfootgrass (<i>Dactyloctenium aegyptium</i>)	C	C	C	C	C	C	C	O	O
Cupgrass (<i>Eriochloa gracilis</i>)	P	C	P	P	P	P	C	O	O
Foxtails (<i>Setaria</i> spp.)	S	C	C	C	C	C	C	C	C
Goosegrass (<i>Eleusine indica</i>)	C	C	C	C	C	C	C	C	C
Johnsongrass, Seedling (<i>Sorghum halepense</i>)	C	C	C	C	C	C	C	C	O
Junglerice (<i>Echinochloa colonum</i>)	C	C	C	C	C	C	C	C	O
Nutsedge, Yellow (<i>Cyperus esculentus</i>)	P	P	P	C	P	C	C	P	O
Panicum, Fall (<i>Panicum dichotomiflorum</i>)	P	C	C	C	C	C	C	C	C
Panicum, Texas (<i>Panicum texanum</i>)	P	C	C	P	C	S	S	C	O
Red Rice (<i>Oryza sativa</i>)	P	C	C	C	P	C	C	O	O
Sandbur (<i>Cenchrus</i> spp.)	P	C	C	P	C	S	S	O	O
Shattercane (<i>Sorghum bicolor</i>)	P	C	C	P	P	P	P	C	O
Sorghum, Volunteer (<i>Sorghum</i> spp.)	P	C	C	P	P	P	P	O	P
Sprangletop (<i>Leptochloa</i> spp.)	P	C	C	P	P	P	P	O	P
Stinkgrass (<i>Eragrostis</i> spp.)	P	C	C	P	P	P	P	O	P
Wheat, Volunteer (<i>Triticum</i> spp.)	P	P	P	P	P	P	P	O	P
Witchgrass (<i>Panicum capillare</i>)	P	C	C	C	C	C	C	C	O

SOYBEANS: SHARDA METRIBUZIN 4SC ALONE

Pre-Emergence Application: The following rates of Sharda Metribuzin 4SC may be applied Pre-emergence to soybeans through center pivot or lateral move sprinkler irrigation systems that apply water in a uniform manner. Refer to “Chemigation” section of this label for directions. Sharda Metribuzin 4SC can be applied broadcast or banded. This application may be made during planting or as a separate operation after planting but before crop emergence. See the “Product Information” section in the front of this label.

Do not apply to sand soils, or to sandy loam or loamy sand soils containing less than 2% organic matter. Do not incorporate into soil or apply more than once per season.

Pints of Sharda Metribuzin 4SC Per Acre			
SOIL TEXTURE	ORGANIC MATTER		
	Less than 2%	2 to 4%	Over 4%
COARSE SOILS (Sandy loam, loamy sand)	Do Not Use ³	3/4	1

MEDIUM SOILS¹ (Loam, silt loam, silt, sandy clay, sandy clay loam)	3/4 to 1	1 to 1-1/4	1-1/4 to 1-1/2
FINE SOILS¹ (Silty clay, silty clay loam ² clay, clay loam)	1 to 1-1/4	1-1/4 to 1-1/2	1-1/2 to 1-3/4
Mississippi Delta Only	1-1/2	1-3/4	2

¹For control of lambsquarters, redroot pigweed and wild mustard, and for suppression of green, yellow and giant foxtails on alkaline (calcareous) soils in Nebraska, Minnesota, South Dakota, and North Dakota only, apply Sharda Metribuzin 4SC at rates of 1/2 pt./acre on medium soils and 1/2 to 3/4 pt./acre on fine soils regardless of soil organic matter percentage (use 3/4 pt. only where soil pH is less than 7.5 and weed pressure is heavy). The 1/2 pt./acre rate of Sharda Metribuzin 4SC alone can be applied regardless of soil pH. For control of other weeds listed on this label use Sharda Metribuzin 4SC at full rates specified in the table above, but note that crop injury may occur on soils having a calcareous surface area or a pH of 7.5 or higher.

²Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

³Refer to the appropriate section of this label for use of Sharda Metribuzin 4SC on soybeans in coarse soils with 0.5% or more organic matter in Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, and Virginia.

USES OF SHARDA METRIBUZIN 4SC HERBICIDE IN COMBINATION WITH OTHER HERBICIDES

SOYBEANS: SEQUENTIAL APPLICATION OF SCEPTER® FOLLOWING SHARDA METRIBUZIN 4SC

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

If needed, application of Sharda Metribuzin 4SC alone or in a registered tank mix according to directions on this label, may be followed by an early post-emergence application of Scepter herbicide (1.5 lbs./gal. liquid or 70 DG) for control of cocklebur. Apply 1/6 to 1/3 pint of Scepter (0.7 to 1.4 ounces of Scepter 70 DG) in a minimum of 20 gallons of water per acre. Use 1/6 pint of Scepter (0.7 ounces of Scepter 70 DG) if cockleburs are less than 3 inches tall or have fewer than 3 leaves and are actively growing. For cockleburs less than 6 inches tall and actively growing use 1/3 pint of Scepter (1.4 ounces of Scepter 70 DG) per acre. Do not use Scepter when soybeans or cockleburs have been subjected to stress conditions such as temperature or moisture extremes. Do not exceed a total of 2/3 pint Scepter (2.8 ounces of Scepter 70 DG) per acre in one season. Wait at least 10 days after application of Scepter before cultivating.

When preparing the spray mixture with Scepter, add 2 pints of non-ionic surfactant approved for use on growing crops and containing at least 80% active ingredient per 100 gallons of mixture. Apply crop oil concentrate (COC) at the rate specified on the COC label.

Restrictions:

- Use Scepter only in the states where it is registered as listed on the product label.
- **Pre-harvest Interval (PHI):** Apply Scepter at least 90 days before harvest of soybeans. Do not graze or feed soybean forage, hay, or straw to livestock.
- Refer to the Scepter label for additional cautions and precautions, directions, limitations, and information on environmental hazards and planting of rotational crops.

SOYBEANS: SPLIT-SHOT APPLICATION

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

A pre-plant incorporated application of Sharda Metribuzin 4SC tank mixed with either Treflan, Lasso, Dual, Prowl, or Sonalan and followed by a pre-emergence surface application of Sharda Metribuzin 4SC alone after planting but prior to soybean emergence, will control more broadleaf and grass weeds in soybeans than when either herbicide is used alone.

Refer to the Treflan, Lasso, Dual, Prowl or Sonalan labels, and to appropriate sections of this label for directions on soil preparation, herbicide application, incorporation techniques, herbicide rates, weed species controlled, and restrictions for using tank mix combinations of Sharda Metribuzin 4SC. Carefully observe the **"Special Precautions"** section concerning the use of Sharda Metribuzin 4SC in tank mix combinations on soybeans.

When a Split-Shot application of Sharda Metribuzin 4SC with Prowl, Treflan, or Sonalan is used, the pre-plant incorporated tank mix may be applied up to 21 days prior to planting soybeans; with Dual or Lasso, the pre-plant incorporated tank mix may be applied up to 14 days prior to planting.

On medium and fine textured soils with greater than 2% organic matter, a rate range is recommended for the Sharda Metribuzin 4SC pre-emergence overlay application. The higher rate should be used (a) in fields with a history of severe broadleaf weed pressure, (b) when the time between pre-plant incorporated tank mix and pre-emergence overlay

applications approaches the maximum stated above, and/or (c) when the organic matter content of the soil is at the upper end of the indicated range.

For black nightshade control, refer to the appropriate sections of the Lasso, Dual, or Sonalan labels for specific instructions.

SPLIT-SHOT APPLICATION						
Pre-Plant Incorporated Tank mix Application – FOLLOWED BY – Pre-Emergence Overlay Application						
SOIL TEXTURE ¹	Rate of Combination Product/Acre	Plus	Rate of Sharda Metribuzin 4SC (Pt./Acre)	Rate of Sharda Metribuzin 4SC (Pt./Acre)		
				ORGANIC MATTER		
				Less Than 2%	2% to 4%	Over 4%
COARSE (Light) sand, loamy sand, sandy loam	Treflan 1 pt. or Lasso 2 to 2-1/2 qts. or Dual 1-1/4 to 1-1/2 pts. or Prowl 1-1/2 pts. or Sonalan 1-1/4 to 2 pts.	Plus	1/2 – Followed by	1/4	1/4	1/4 to 1/2
MEDIUM Loam, silt loam, sandy clay loam, silt, sandy clay	Treflan 1-1/2 pts. or Lasso 2-1/2 to 3 qts. or Dual 1-1/2 pts. or Prowl 1-1/2 pts. or Sonalan 1-3/4 to 2-1/2 pts.	Plus	3/4 – Followed by or 1/2 ² – Followed by	1/4 1/2	1/4 to 1/2 1/2 to 3/4	1/2 to 3/4 (3/4 to 1) ³
FINE (Heavy) Silty clay loam*, clay loam, silty clay, clay	Treflan 2 pts. or Lasso 2-1/2 to 3 qts. or Dual 2 to 2-1/2 pts. or Prowl 1-1/2 to 2 pts. or Sonalan 2-1/4 to 3 pts.	Plus	1.0 – Followed by or 3/4 ² – Followed by	1/4 1/2	1/4 to 1/2 1/2 to 3/4	1/2 to 3/4 (3/4 to 1) ³

*Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

¹On coarse textured soils, do not use on sand soils with less than 1% organic matter, or on loamy sand or sandy loam soils with less than 0.5% organic matter. However, on coarse textured soils with a calcareous surface area or a pH of 7.5 or higher do not use on sand soils with less than 2% organic matter, or on loamy sand or sandy loam soils with less than 1% organic matter.

²Use this lower rate of Sharda Metribuzin 4SC in the pre-plant incorporated tank mix on soils having a calcareous surface area or a pH of 7.5 or higher, and in those situations where soils within a field vary extremely in texture or organic matter content.

³Reduce this pre-emergence overlay rate Sharda Metribuzin 4SC by 1/4 pt./acre when using SPLIT-SHOT application on soils with over 4% organic matter and which have a calcareous surface area or a pH of 7.5 or higher.

SOYBEANS: EXTENDED SPLIT-SHOT APPLICATION (Includes No-Till, Reduced-Till, Ridge-Till, Strip-Till, Mulch-Till)

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

An early pre-plant (surface-applied or shallow incorporated) application of Sharda Metribuzin 4SC tank mixed with either Dual or Lasso, followed by a pre-emergence surface application of Sharda Metribuzin 4SC tank mixed with Dual or Lasso after planting but prior to soybean emergence, will control more broadleaf and grass weeds in soybeans than either herbicide alone.

An Extended SPLIT-SHOT application will decrease the need for tillage and/or contact herbicides for the control of existing vegetation prior to planting, while providing residual control of weeds after planting.

When an Extended SPLIT-SHOT application of Sharda Metribuzin 4SC with Dual or Lasso is used, the pre-plant tank mix combination may be applied 15 to 30 days prior to planting soybeans. Follow directions on the label accompanying the

product for SPLIT-SHOT applications from 0 to 14 days before planting.

Where a rate range is indicated, the higher rates should be used (a) in fields with a history of severe weed pressure, (b) when the time between early pre-plant tank mix and pre-emergence overlay applications approaches the maximum 30 days, (c) when the organic matter content of the soil is at the upper end of the indicated range, (d) when heavy crop residues are present on the soil surface, and/or (e) when the early pre-plant tank mix application is shallow incorporated (e.g., use 2 to 2-1/2 qts. Lasso in the early pre-plant tank mix when surface applied and use 2-1/2 to 3 qts. Lasso when the tank mix is to be lightly incorporated).

When weeds exceed 1 to 1-1/2 inches in height or diameter at application, use a contact herbicide, such as glyphosate or Gramoxone. Refer to the Dual or Lasso label, and to appropriate sections of this label for additional information on soil preparation, herbicide application, weeds controlled, precautions, restrictions, limitations and sprayer clean-up.

EXTENDED SPLIT-SHOT APPLICATION									
Early Pre-Plant Tank Mix Application (Surface-Applied or Shallow Incorporated)				Followed By	Pre-Emergence Overlay Application				
SOIL TEXTURE ¹	Rate of Combination Product/Acre	Plus	Rate of Sharda Metribuzin 4SC (Pt./Acre)		Rate of Combination Product/Acre	Plus	Rate of Sharda Metribuzin 4SC (Pt./Acre)		
							ORGANIC MATTER		
				1/2 to 2%			2 to 4%	Over 4%	
COARSE (Light) Sand, loamy sand, sandy loam	Dual 1-1/3 pts. or Lasso 1-1/2 to 2 qts.	Plus	1/2 to 3/4	Dual or Lasso	2/3 pt. 1-1/2 qts.	Plus	1/4	1/4 to 1/2	1/2
MEDIUM Loam, silt loam, sandy clay loam, silt, sandy clay	Dual 1-3/4 pts. or Lasso 2 to 3 qts.	Plus	2 ³ / ₄ to 1	Dual or Lasso	3/4 pt. 1 to 2 qts.	Plus	1/2	1/2 to 3/4	3/4 to 1
FINE (Heavy) Silty clay loam*, clay loam, silty clay, clay	Dual 2 pts. or Lasso 2 to 3 qts.	Plus	2 ¹ / ₂ to 1-1/4	Dual or Lasso	1 pt. 1 to 2 qts.	Plus	1/2	1/2 to 3/4	3/4 to 1

*Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

¹On **coarse textured** soils, do not use on sand soil with less than 1% organic matter. However, on coarse textured soils **with a calcareous surface area or a pH of 7.5 or higher**, do not use on sand soils with less than 2% organic matter, or on loamy sand or sandy loam soils with less than 1% organic matter.

²Use the lower rate of Sharda Metribuzin 4SC in the early pre-plant tank mix on soils having a calcareous surface area or a pH of 7.5 or higher, and in those rate situations where soils within a field vary extremely in texture or organic matter content.

SOYBEANS: Sharda Metribuzin 4SC Plus Sonalan

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

Sharda Metribuzin 4SC plus Sonalan Overlay Application: Sharda Metribuzin 4SC may be applied as a pre-emergence overlay application following a pre-plant incorporated application of Sonalan 3 EC. Consult the Sonalan label for specific directions on use, recommendations, restrictions and any additional weeds not specified on this label.

Sharda Metribuzin 4SC plus Sonalan Tank mix Application: Incorporate the tank mixture into the top 1 to 2 inches of soil within 21 days before planting according to label directions for Sonalan.

Apply Sharda Metribuzin 4SC plus Sonalan pre-plant incorporated if furrow irrigation is used or when a period of dry weather after application is expected. If soybeans are planted on beds, apply and incorporate the tank mixture after bed formation.

Mixing: Refer to the "Product Information" section in the front of this label.

Application: Uniformly apply and thoroughly mix Sonalan into the soil within 2 days after application. For specific application information, refer to the "Product Information" section in the front of this label.

BROADCAST RATES		
SOIL TEXTURE	Sharda Metribuzin 4SC (Pt./Acre)	Sonalan 3EC (Pt./Acre)

COARSE¹ (Sandy loam, loamy sand)	1/2	1-1/4 to 2
MEDIUM² (Loam, silt loam, silt, sandy clay, sandy clay loam)	3/4	1-3/4 to 2-1/2
FINE³ (Silty clay, silty clay loam ² , clay, clay loam)	1	2-1/4 to 3
¹ Do not use on coarse soils with less than 1% organic matter. ² Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S. ³ For control of lambsquarters, redroot pigweed, wild mustard, and green and yellow foxtails on alkaline (calcareous) soils in Minnesota, Nebraska, South Dakota, and North Dakota only, apply Sharda Metribuzin 4SC at rates of 1/2 pt./acre on medium soils and 1/2 to 3/4 pt./acre on fine soils regardless of soil organic matter percentage (use 3/4 pt. only where soil pH is less than 7.5 and weed pressure is heavy). The 1/2 pt. rate of Sharda Metribuzin 4SC in tank mix combination with Sonalan can be applied regardless of soil pH. For control of other weeds not listed on the label, use Sharda Metribuzin 4SC at full rates specified in the table above, but note that crop injury may occur on soils having a calcareous surface area or a pH of 7.5 or higher.		
Special Restrictions: <ul style="list-style-type: none"> For additional precautions, restrictions, limitations, incorporation, and sprayer clean-up information, refer to the appropriate sections of this label and the Sonalan label. For black nightshade control, refer to the Sonalan label for specific rates and application instructions. 		

SOYBEANS: Sharda Metribuzin 4SC Plus TREFLAN

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

Sharda Metribuzin 4SC and Treflan Overlay Application: Sharda Metribuzin 4SC may be applied as a pre-emergence broadcast or band overlay application following a pre-plant incorporated treatment of Treflan. Consult the Treflan label for specific directions for use, recommendations, restrictions and any additional weeds not specified on this label.

Sharda Metribuzin 4SC plus Treflan Tank mix Application: A single application of a tank mix combination of Sharda Metribuzin 4SC and Treflan EC will control more broadleaf and grass weeds in soybeans than when either herbicide is used alone.

Prepare the soil surface by deep plowing, offset disking or tandem disking prior to the application of the herbicide combination. The soil surface should be well prepared and free of clods and trash.

This Sharda Metribuzin 4SC plus Treflan tank mix combination may be applied and incorporated into the soil up to 10 days before planting.

Mixing: Refer to the "Product Information" section in the front of this label.

Application: For specific application information refer to the "Product Information" section in the front of this label. Apply Sharda Metribuzin 4SC plus Treflan to the soil surface and incorporate in the same operation, if possible. Variable weed control may result from delayed incorporation if Sharda Metribuzin 4SC plus Treflan are applied to a wet, warm soil surface or if the wind velocity is 10 miles per hour or higher. Use machinery that mixes Sharda Metribuzin 4SC plus Treflan thoroughly with the soil. Incorporation may be delayed up to 24 hours after application. Shallow incorporation with implements set to cut less than 2 inches deep may result in erratic weed control. Do not use spike or spring-tooth harrows alone for incorporation.

Incorporation Equipment:

- Set PTO-driven equipment (tillers, cultivators, hoes) to cut 2 to 3 inches deep and space rotors to provide a clean sweep of the soil. Do not operate PTO equipment at a speed greater than 4 miles per hours.
- Set disk to cut 4 to 6 inches deep and operate twice in different directions at 4 to 6 miles per hours.
- Set mulch treader and other similar disk-type implements to cut 3 to 4 inches deep and operate twice in different directions at 5 to 8 miles per hour.
- For coarse and medium textured soils only: Set rolling cultivator to cut 2 to 4 inches deep and operate twice at 6 to 8 miles per hour. Set bed conditioner (Do-All) to cut 2 to 4 inches deep and operate at 4 to 6 miles per hour.

BROADCAST RATES		
SOIL TEXTURE	Sharda Metribuzin 4SC (Pt./Acre)	Treflan EC (Pt./Acre)
COARSE¹ (Sandy loam, loamy sand)	1/2	1
MEDIUM (Loam, silt loam, silt, sandy clay, sandy clay loam)	3/4	1-1/2
FINE (Silty clay, silty clay loam ² , clay, clay loam) ³	1	2

- ¹Do not use on coarse soils with less than 1% organic matter.
- ²Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.
- ³For control of lambsquarters, redroot pigweed, wild mustard, and green and yellow foxtails on alkaline (calcareous) soils in Minnesota, Nebraska, South Dakota, and North Dakota only, apply Sharda Metribuzin 4SC at rates of 1/2 pt./acre on medium soils and 1/2 to 3/4 pt./acre on fine soils regardless of soil organic matter percentage (use 3/4 pt. only where soil pH is less than 7.5 and weed pressure is heavy). The 1/2 pt. rate of Sharda Metribuzin 4SC in tank mix combination with Treflan can be applied regardless of soil pH. For control of other weeds not listed on the label, use Sharda Metribuzin 4SC at full rates specified in the table above, **but note that crop injury may occur on soils having a calcareous surface area or a pH of 7.5 or higher.**

Special Precautions:

- Seedling disease, cold weather, excessive moisture, high salt concentration, or drought may weaken soybean seedlings and increase the possibility of damage from the tank mix.

Restrictions:

- Do not plant soybeans deeper than 2 inches.
- Do not rotate any crop not listed on this label for 18 months following application.
- Do not use this tank mix combination on soils containing charcoal in Arkansas, Louisiana, and Mississippi.
- For additional precautions, restrictions, limitations and sprayer clean-up information refer to the appropriate sections of this label.

SOYBEANS: Sharda Metribuzin 4SC Plus DUAL

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

Sharda Metribuzin 4SC plus Dual Overlay Application: Apply a pre-plant incorporated treatment of Dual 8E as directed on that product label for use on soybeans. Follow with a pre-emergence treatment of Sharda Metribuzin 4SC as directed on this label for use on soybeans.

Sharda Metribuzin 4SC Plus Dual Tank Mix Applications

Pre-Plant Incorporated Application: Incorporate the tank mixture into the top 2 inches of soil within 14 days before planting using a disk, harrow, rolling cultivator, or similar implement.

Apply Sharda Metribuzin 4SC plus Dual pre-plant incorporated if furrow irrigation is used or when a period of dry weather after application is expected. If soybeans are planted on beds, apply and incorporate the tank mixture after bed formation.

Pre-Emergence Application: Dry weather following pre-emergence application of Sharda Metribuzin 4SC plus Dual tank mixture may reduce effectiveness. If weeds develop, cultivate uniformly with shallow tillage equipment such as a rotary hoe that will not damage soybeans.

Mixing Instructions: Refer to the "Product Information" section in the front of this label.

For information on applying Sharda Metribuzin 4SC in fluid or dry fertilizer, refer to the "Application of Sharda Metribuzin 4SC in Fluid Fertilizers" or "Commercial Impregnation and Application of Sharda Metribuzin 4SC on Dry Bulk Fertilizer" sections in the front of this label.

Special Restrictions (Sharda Metribuzin 4SC and Dual):

For additional precautions, restrictions, limitations, and sprayer clean-up information refer to the appropriate sections of this label and the Dual label.

BROADCAST RATES				
Sharda Metribuzin 4SC Plus Dual Tank Mix Pre-Emergence Applications				
SOIL TEXTURE	ORGANIC MATTER			
	1/2% to 3%		Over 3%	
	Sharda Metribuzin 4SC (Pt./Acre)	Dual 8E (Pt./Acre)	Sharda Metribuzin 4SC (Pt./Acre)	Dual 8E (Pt./Acre)
COARSE ¹ (Loamy sand, sandy loam)	1/2	1-1/4	3/4	1-1/2
MEDIUM (Loam, silt loam, silt)	3/4	1-1/2	1	2
FINE (Silty clay loam ² , sandy clay loam, silty clay, sandy clay, clay loam, clay)	1	2	1 to 1-1/4	2 to 2-1/2
MISSISSIPPI DELTA ONLY: (Silty clay, clay)	1 to 1-1/2	2	1-1/2	2 to 2-1/2

¹Do not use on sand soils. Do not apply Sharda Metribuzin 4SC and Dual overlay or tank mix pre-emergence on loamy sand with less than 2% organic matter.
²Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

BROADCAST RATES				
Sharda Metribuzin 4SC Plus Dual Tank Mix Pre-Plant Incorporated Applications				
SOIL TEXTURE	ORGANIC MATTER			
	1/2% to 3%		Over 3%	
	Sharda Metribuzin 4SC (Pt./Acre)	Dual 8E (Pt./Acre)	Sharda Metribuzin 4SC (Pt./Acre)	Dual 8E (Pt./Acre)
COARSE ¹ (Loamy sand, sandy loam)	1/2	1-1/4	1/2	1-1/2
MEDIUM (Loam, silt loam, silt)	3/4	1-1/2	3/4	2
FINE (Silty clay loam ² , sandy clay loam, silty clay, sandy clay, clay loam, clay)	1	2	1	2 to 2-1/2
MISSISSIPPI DELTA ONLY: (Silty clay, clay)	1 to 1-1/4	2	1 to 1-1/4	2 to 2-1/2

¹Do not use on sand soils. Do not apply Sharda Metribuzin 4SC plus Dual tank mix pre-plant incorporated on sand or loamy sand with less than 2% organic matter or crop injury may occur.
²Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

SOYBEANS: Sharda Metribuzin 4SC Plus PROWL

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

Sharda Metribuzin 4SC plus Prowl Overlay Application: Apply a pre-plant incorporated treatment of Prowl as directed on that product label for use on soybeans. Follow with a pre-emergence treatment of Sharda Metribuzin 4SC as directed on this label for use on soybeans.

Sharda Metribuzin 4SC plus Prowl Tank mix Applications

Pre-Plant Incorporated Application: Prepare the soil by plowing or disking to mix previous crop residues into the soil to a depth of 4 to 6 inches. For specific application information refer to the “**Product Information**” section in the front of this label.

Incorporate the tank mixture into the top 1 or 2 inches of soil within 7 days after application according to label directions for Prowl. Mechanical incorporation is not required if a rain of one-quarter inch or more occurs within 7 days after application. Soybeans must be planted no later than 7 days after application of the tank mixture.

Pre-Emergence Application: Except for minimum and no-tillage systems, the seed bed should be firm and free of trash and clods. For specific application information refer to the “**Product Information**” section in the front of this label. Do not apply Prowl pre-emergence north of Interstate 80.

This application must be made after planting and before crop emergence. Do not incorporate.

If cultivation is necessary because of soil crusting, soil compaction or weed germination before rain or irrigation, use shallow tilling equipment such as a rotary hoe that does not damage soybeans.

Mixing Instructions: Refer to the “**Product Information**” section in the front of this label.

For information on applying Sharda Metribuzin 4SC in fluid or dry fertilizer refer to the “**Application of Sharda Metribuzin 4SC in Fluid Fertilizers**” or “**Commercial Impregnation and Application of Sharda Metribuzin 4SC On Dry Bulk Fertilizer**” sections in the front of this label.

Special Precautions (Sharda Metribuzin 4SC plus Prowl): Soil incorporation deeper than the recommended will reduce weed control and can result in crop injury.

Restrictions:

For additional precautions restrictions, limitations, and sprayer clean-up information, refer to the appropriate sections of this label and the Prowl label.

SOUTHERN STATES AND EASTERN COASTAL PLAINS		
For use only in Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, North Carolina, Oklahoma, Southeastern Missouri "Bootheel" Region, and Coastal Plains of Delaware*, Maryland*, New Jersey*, and Virginia*.		
*Sharda Metribuzin 4SC plus Prowl is not recommended for use on soils with less than 2% organic matter in the coastal plain of New Jersey or the Delmarva Peninsula.		
BROADCAST RATES		
Sharda Metribuzin 4SC Plus Prowl Tank Mix Applications		
SOIL TEXTURE	Sharda Metribuzin 4SC (Pt./Acre)	Prowl (Pt./Acre)
COARSE ¹ (Sandy loam, loamy sand)	1/2	1-1/2
MEDIUM (Loam, silt loam, silt, sandy clay, sandy clay loam)	3/4	1-1/2
FINE (silty clay, silty clay loam ² , clay, clay loam)	1	1-1/2 to 2
¹ Do not use on sand soils. Do not use on loamy sand or sandy loam containing less than 1% organic matter.		
² Silty clay loam soils are transitional soils and may be classified as medium textured soils in certain regions of the U.S. Do not use on muck or peat soils.		

NORTHEASTERN AND NORTH CENTRAL STATES				
For use only in Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Nebraska, New York, North Dakota, Ohio, Pennsylvania, South Dakota, Wisconsin, and Missouri (except in the "Bootheel" Region).				
BROADCAST RATES				
Sharda Metribuzin 4SC Plus Prowl Tank Mix Applications				
SOIL TEXTURE	ORGANIC MATTER			
	1/2 to 3%		Over 3%	
	Sharda Metribuzin 4SC (Pt./Acre)	Prowl (Pt./Acre)	Sharda Metribuzin 4SC (Pt./Acre)	Prowl (Pt./Acre)
COARSE ¹ (Sandy loam, Loamy sand)	1/2	1	3/4	1-1/2
MEDIUM (Loam, silt loam, sandy clay, sandy clay loam)	3/4	1-1/2 to 2	3/4 to 1	1-1/2 to 2
FINE (Silty clay, silty clay loam ² , clay, clay loam)	3/4 to 1	1-1/2 to 2	1 to 1-1/4	2 to 2-1/2
¹ Do not use on sand soils. Do not use on loamy sand or sandy loam containing less than 1% organic matter. Where a range of rates is shown for medium and fine soils, use the higher rate if heavy weed infestations are anticipated.				
² Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S. Do not use on muck or peat soils.				

SOYBEANS: Sharda Metribuzin 4SC Plus LASSO

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

Sharda Metribuzin 4SC Plus Lasso Tank Mix Application

Pre-Emergence Application: Sharda Metribuzin 4SC may be used in a tank mix combination with Lasso as a pre-emergence band or broadcast application to soybeans in accordance with the specified soil types and dosages recommended.

For specific information regarding spray equipment, dilution rates, mixing, directions for use, methods of application, limitations and restrictions refer to the appropriate section of this label.

Special Restrictions (Sharda Metribuzin 4SC Plus Lasso): For additional precautions, restrictions, limitations and sprayer clean-up information, refer to the appropriate sections of this label and the Lasso label. Refer to the Lasso label for pertinent recommendations, directions for use, restrictions and any additional weeds not specified on this label.

APPLICATIONS						
BROADCAST RATES						
Sharda Metribuzin 4SC Plus Lasso Tank Mix Pre-Emergence Applications						
SOIL TEXTURE	ORGANIC MATTER					
	1/2 to 3%			Over 3%		
	Sharda Metribuzin 4SC (Pt./Acre)	Plus	Lasso (Qt./Acre)	Sharda Metribuzin 4SC (Pt./Acre)	Plus	Lasso (Qt./Acre)
COARSE ¹ (Sandy loam)	1/2	Plus	1-1/2 to 2	3/4	Plus	1-1/2 to 2

MEDIUM (Loam, silt loam, silt, sandy clay, sandy clay loam)	3/4	Plus	1-1/2 to 2	1	Plus	1-1/2 to 2
FINE² (Silty clay, silty clay loam ³ , clay, clay loam)	1	Plus	2	1 to 1-1/4	Plus	2 to 2-1/2
MISSISSIPPI DELTA ONLY (Silty clay to heavy clay)	<u>Sharda Metribuzin 4SC Pt./Acre + Lasso Qt./Acre</u> 2 + 2 to 2-1/2					
¹ Do not use Sharda Metribuzin 4SC plus Lasso on sand or loamy sand soils with less than 2% organic matter. ² For control of lambsquarters, redroot pigweed, wild mustard, green and yellow foxtails on alkaline (calcareous) soils in Minnesota, Nebraska, South Dakota, and North Dakota only, apply Sharda Metribuzin 4SC at rates of 1/2 pt./acre on medium soils and 1/2 to 3/4 pt./acre on fine soils regardless of soil organic matter percentage (use 3/4 pt. only where soil pH is less than 7.5 and weed pressure is heavy). The 1/2 pt./acre rate of Sharda Metribuzin 4SC in tank mix combination with Lasso can be applied regardless of soil pH. For control of other weeds use Sharda Metribuzin 4SC at full rates specified in the table above, but note that crop injury may occur on soils having a calcareous surface area or a pH of 7.5 or higher. ³ Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S. Do not use on muck soils.						

Pre-Plant Incorporated: For specific application information refer to the “**Product Information**” section in the front of this label. Apply Sharda Metribuzin 4SC plus Lasso pre-plant incorporated if furrow irrigation is used or when a period of dry weather after application is expected. If soybeans are planted on beds, apply and incorporate the tank mixture after bed formation. Apply within 7 days prior to planting and shallowly incorporate into the upper 1 to 2 inches of soil.

APPLICATIONS		
BROADCAST RATES		
Sharda Metribuzin 4SC Plus Lasso Tank Mix Pre-Plant Incorporated Applications		
SOIL TEXTURE	Sharda Metribuzin 4SC (Pt./Acre)	Lasso (Qt./Acre)
COARSE¹ (Loamy sand, [over 2% organic matter], sandy loam)	1/2	2 to 2-1/2
MEDIUM (Loam, silt loam, silt)	3/4	2-1/2 to 3
FINE (Silty clay loam ² , sandy clay loam, silty clay, sandy clay, clay loam, clay)	1	2-1/2 to 3
Mississippi Delta Only (Silty clay, clay)	1 to 1-1/4	2-1/2 to 3
¹ Do not use Sharda Metribuzin 4SC plus Lasso on sand or loamy sand soils with less than 2% organic matter. ² Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.		

SOYBEANS: Sharda Metribuzin 4SC Plus Command®

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

Sharda Metribuzin 4SC may be applied in combination with Command 4EC as a pre-plant or shallow incorporated application for the control of certain weeds in soybeans. Consult the Command 4EC label for specific directions on use, recommendations, restrictions and any additional weeds not specified on this label.

Mixing: Refer to the “**Product Information**” section in the front of this label.

Application: Sharda Metribuzin 4SC plus Command 4EC may only be applied with ground equipment as a pre-plant or shallow incorporated application. Immediately incorporate Sharda Metribuzin 4SC plus Command 4EC into the top 1 to 3 inches after application unless surface is dry. On dry soils, incorporate into the top 1 to 3 inches within 3 hours of tank mix application.

Do not apply this tank mix within 1,000 feet of towns and subdivisions, commercial vegetable, fruit, nurseries, or greenhouse operations. A minimum of 15 gallons spray volume per acre is recommended with appropriate nozzle types and sizes to produce a coarse spray droplet. The use of an approved agricultural drift reducing additive is recommended for application volumes of 15 to 40 gallons per acre. The use of an approved agricultural drift reducing additive is required at spray volumes of 10 to 15 gallons per acre.

Note: Off-site movement of Command spray drift or vapors can cause foliar whitening or yellowing of some vegetation. Prior to application of Command, read and strictly follow all precautions, restrictions, and application instructions as set forth in that label. For additional information on application, refer to the “**Product Information**” section in the front of this label and the Command label.

WEEDS CONTROLLED		
Bristly Starbur	Purslane	Broadleaf Signalgrass
Carpetweed	Common Ragweed	Crabgrass*
Copperleaf	Redweed	Foxtail, Green
Florida Beggarweed	Sesbania	Foxtail, Yellow*
Florida Pusley	Smartweeds	Foxtail, Robust
Galinsoga	Spurred Anoda	Purple Goosegrass
Jimsonweed	Velvetleaf	Johnsongrass (seedling)*
Knotweed	Venice Mallow	Fall Panicum*
Lambsquarters	Wild Mustards	Texas Panicum
Pigweeds	Barnyardgrass*	Witchgrass
Prickly Sida/Teaweed	Bluegrass	

*Use 2 pts./A Command 4EC on coarse and medium textured soils with high populations of these weeds.

APPLICATIONS				
BROADCAST RATES				
Sharda Metribuzin 4SC Plus Command 4EC Tank Mix Pre-Plant Incorporated Applications				
SOIL TEXTURE ¹	ORGANIC MATTER			
	1/2% to 3%		Over 3%	
	Sharda Metribuzin 4SC (Pt./Acre)	Command 4EC (Pt./Acre)	Sharda Metribuzin 4SC (Pt./Acre)	Command 4EC (Pt./Acre)
COARSE² (Sandy loam, loamy sand)	1/2	1-1/2 to 2	1/2	1-1/2 to 2
MEDIUM (Loam, silt loam, silt, sandy clay, sandy clay loam)	1/2 to 3/4	1-1/2 to 2	1/2 to 3/4	1-1/2 to 2
FINE (Silty clay, silty clay loam ³ , clay, clay loam)	1/2 to 3/4	1-1/2 to 2	3/4 to 1	1-1/2 to 2

¹Crop injury may occur on soils having a calcareous surface area or a pH of 7.1 or higher.
²Do not use on coarse soils with less than 1% organic matter.
³Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

Restrictions:

- Do not rotate to wheat, barley, alfalfa, or seed corn in the fall of the year of application or in the spring of the following year as crop injury may occur.
- Do not rotate any crop not listed on this label for 18 months following application.
- Do not apply when weather conditions favor drift.
- Do not use treated vines for feed or forage.
- Observe all precautions and limitations on labeling of all products used in mixtures.
- Do not apply aerially or through irrigation equipment.

SOYBEANS: Sharda Metribuzin 4SC Plus Commence®

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

Sharda Metribuzin 4SC plus Commence Tank mix Early Pre-Plant Incorporated Application: Sharda Metribuzin 4SC in a tank mix with Commence 5.25 EC may be applied broadcast pre-plant incorporated up to 30 days before planting soybeans for the control of certain broadleaf weeds and grasses. Refer to the Commence herbicide label for additional directions for use, weeds controlled, recommendations, restrictions and limitations not specified on this label.

Mixing: Refer to the “**Product Information**” section on this label.

Application: For information on applying Sharda Metribuzin 4SC, refer to the “**Product Information**” section on this label.

APPLICATIONS				
Sharda Metribuzin 4SC Plus Commence 5.25 EC Tank Mix – Early Pre-Plant Incorporated Applications ¹				
SOIL TEXTURE	ORGANIC MATTER			
	1/2 to 3%		Over 3%	
	Sharda Metribuzin 4SC (Pt./Acre)	Commence 5.25 EC (Pt./Acre)	Sharda Metribuzin 4SC (Pt./Acre)	Commence 5.25 EC (Pt./Acre)
COARSE²	3/4	1-1/3 to 2	3/4	1-1/3 to 2
MEDIUM	1	2 to 2-1/4	1	2 to 2-1/4

FINE	1	2-2/3	1-1/2	2-2/3
¹ For use on soils with a pH of 7.5 or lower.				
² Do not use on coarse soils with less than 1% organic matter.				
Restrictions:				
<ul style="list-style-type: none"> Do not apply aerially or through irrigation equipment. Do not apply when weather conditions favor drift. Do not allow sprays to drift onto adjacent desirable plants. Do not use treated vines for feed or forage. Do not rotate to wheat, barley, alfalfa, or seed corn in the fall of the year of application or in the spring of the following year as crop injury may occur. Do not rotate any crop not listed on this label for 18 months following application. 				

Sharda Metribuzin 4SC plus Commence Tank mix Pre-Plant Incorporated: Sharda Metribuzin 4SC may be tank mixed with Commence 5.25 EC for pre-plant incorporated application to control certain weeds in soybeans. Refer to the “**Product Information**” section of this label for information on mixing, application, restrictions, special precautions and weeds controlled by Sharda Metribuzin 4SC. See appropriate sections of the Commence 5.25 EC herbicide label for additional precautionary statements, directions for use, recommendations and additional weeds controlled.

APPLICATIONS				
Sharda Metribuzin 4SC Plus Commence 5.25 EC Tank Mix – Pre-Plant Incorporated Applications				
SOIL TEXTURE ¹	ORGANIC MATTER			
	1/2 to 3%		Over 3%	
	Sharda Metribuzin 4SC (Pt./Acre)	Commence 5.25 EC (Pt./Acre)	Sharda Metribuzin 4SC (Pt./Acre)	Commence 5.25 EC (Pt./Acre)
COARSE ² (Sandy loam, loamy sand)	1/2	1-1/3 to 2	1/2	1-1/3 to 2
MEDIUM (Loam, silt loam, silt, sandy clay, sandy clay loam)	1/2 to 3/4	2 to 2-1/4	1/2 to 3/4	2 to 2-1/4
FINE (Silty clay, silty clay loam ³ , clay, clay loam)	1/2 to 3/4	2-2/3	3/4 to 1	2-2/3
¹ Crop injury may occur on soils having a calcareous surface area or a pH of 7.1 or higher.				
² Do not use on coarse soils with less than 1% organic matter.				
³ Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.				
Restrictions (Sharda Metribuzin 4SC plus Commence):				
<ul style="list-style-type: none"> Do not rotate to wheat, barley, alfalfa, or seed corn in the fall of the year of application or in the spring of the following year as a crop injury may occur. Do not rotate any crop not listed on this label for 18 months following application. Do not apply when weather conditions favor drift. Do not use treated vines for feed or forage. Do not apply aerially or through irrigation equipment. Do not allow sprays to drift onto adjacent desirable plants. 				

SOYBEANS: Sharda Metribuzin 4SC Plus Freedom®

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

Sharda Metribuzin 4SC may be tank mixed with Freedom 3EC for pre-plant incorporated application to control certain weeds in soybeans. Refer to the “**Product Information**” section of this label for information on mixing, application, restrictions, special precautions and weeds controlled by Sharda Metribuzin 4SC. See appropriate sections of the Freedom 3EC herbicide label for additional precautionary statements, directions for use, recommendations and additional weeds controlled.

APPLICATIONS						
BROADCAST RATES						
Sharda Metribuzin 4SC Plus Freedom Tank Mix Pre-Plant Incorporated Applications						
SOIL TEXTURE	ORGANIC MATTER					
	1/2 to 3%			Over 3%		
	Sharda Metribuzin 4SC (Pt./Acre)	Plus	Freedom 3EC (Qt./Acre)	Sharda Metribuzin 4SC (Pt./Acre)	Plus	Freedom 3EC (Qt./Acre)
COARSE ¹ (Sandy loam)	1/2	Plus	2-3/4 to 3-1/2	3/4	Plus	3 to 3-1/2

MEDIUM² (Loam, silt loam, silt, sandy clay, sandy clay loam)	3/4	Plus	2-3/4 to 3-1/2	1	Plus	3-1/2 to 4
FINE² (Silty clay, silty clay loam ³ , clay, clay loam)	1	Plus	3-1/2 to 4	1 to 1-1/4	Plus	3-1/2 to 4-1/2
MISSISSIPPI DELTA ONLY (Silty clay to heavy clay)	<u>Sharda Metribuzin 4SC Pt./Acre + Freedom 3EC Qt./Acre</u> 2 + 3-1/2 to 4-1/2					
¹ Do not use Sharda Metribuzin 4SC plus Freedom on sand or loamy sand soils with less than 2% organic matter.						
² For control of lambsquarters, redroot pigweed, wild mustard, green and yellow foxtails on alkaline (calcareous) soils in Minnesota, Nebraska, South Dakota, and North Dakota only, apply Sharda Metribuzin 4SC at rates of 1/2 pt./acre on medium soils and 1/2 to 3/4 pt./acre on fine soils regardless of soil organic matter percentage (use 3/4 pt. only where soil pH is less than 7.5 and weed pressure is heavy). The 1/2 pt./acre rate of Sharda Metribuzin 4SC in tank mix combination with Freedom can be applied regardless of soil pH. For control of other weeds use Sharda Metribuzin 4SC at full rates specified in the table above, but note that crop injury may occur on soils having a calcareous surface area or a pH of 7.5 or higher.						
³ Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.						
Restrictions:						
<ul style="list-style-type: none"> • Do not use on muck soils. • Do not allow sprays to drift onto adjacent desirable plants. 						

SOYBEANS: Sharda Metribuzin 4SC Plus Canopy[®] Plus a Grass Herbicide

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

A tank mix combination of Sharda Metribuzin 4SC plus Canopy 75 DF plus a registered and recommended grass herbicide (Dual, Lasso, Prowl, Sonalan, or Treflan) is recommended for control of the following weeds in soybeans:

WEEDS CONTROLLED			
ANNUAL GRASSES		ANNUAL BROADLEAVES	
Barnyardgrass	Johnsongrass (seedling)	Bristly Starbur	Prickly Sida/Teaweed
Bluegrass	Junglerice	Carpetweed	Purslane
Broadleaf	Panicum, Fall	Cocklebur	Ragweed, Common
Signalgrass	Panicum, Texas	Copperleaf, Hophornbeam	Redweed
Browntop Millet	Sandbur	Florida Beggarweed	Russian Thistle
Crabgrass	Sprangletop	Florida Pusley	Sesbania
Crowfootgrass	Stinkgrass	Galinsoga	Shepherd's purse
Foxtails		Jimsonweed	Smartweed
Goosegrass		Knotweed	Spurred Anoda
		Kochia	Velvetleaf
		Lambsquarters	Venice Mallow
		Pigweed	Wild Mustard

Tank mix combinations which include Dual, Lasso or Prowl can be applied pre-emergence broadcast or pre-plant incorporated broadcast. When Sonalan or Treflan are used in the tank mix, apply pre-plant incorporated broadcast. Refer to the table below for rates of each product to be used in tank mix combinations.

APPLICATIONS							
BROADCAST RATES							
Sharda Metribuzin 4SC Plus Canopy 75 DF Plus a Grass Herbicide							
Soil Texture ¹	Treflan (Pt./Acre)	Dual (Pt./Acre)	Prowl (Pt./Acre)	Lasso (Qt./Acre)	Sonalan (Pt./Acre)	Sharda Metribuzin 4SC (Pt./Acre)	Canopy DF (Oz./Acre)
COARSE²	1	1-1/4 to 1-1/2	1-1/2	2 to 2-1/2	1-1/4 to 2	1/2	3
MEDIUM	1-1/2	1-1/2 to 2	1-1/2 to 2	2-1/2 to 3	1-1/4 to 2-1/2	1/2 to 3/4 ³	3
FINE	2	2 to 2-1/2	1-1/2 to 2-1/2	2-1/2 to 3	2-1/4 to 3	3/4 to 1 ³	3 to 4
¹ Do not use on soils with a pH greater than 7.0.							
² Refer to "Soil Texture" paragraph on this label for specific soil classification.							
³ Use the lower rate of Sharda Metribuzin 4SC in pre-plant incorporated tank mix as in those situations where soils within a field vary extremely in texture or organic matter content.							
IMPORTANT: If weeds escape in fields treated with these tank mix combinations, post-emergence application of a registered and recommended herbicide will be needed for control.							

Refer to the “**Product Information**” section of this label for mixing and application directions.

Restrictions:

- Do not use treated vines for feed or forage.
- For additional precautions, restrictions, limitations and sprayer clean-up information, refer to the appropriate sections of the labels for Sharda Metribuzin 4SC and Canopy 75 DF.

SOYBEANS: Sharda Metribuzin 4SC Plus Command Plus a Grass Herbicide

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

Sharda Metribuzin 4SC may be applied with Command 4EC and a grass herbicide (Treflan, Lasso, Dual, Prowl, or Sonalan) for the control of certain broadleaf weeds and grasses in soybeans. This combination will provide improved control of heavy infestations of velvetleaf, jimsonweed and common ragweed. Sharda Metribuzin 4SC and Command 4EC plus a grass herbicide may be applied pre-plant incorporated broadcast. Consult the Command, Treflan, Lasso, Dual, Prowl, or Sonalan labels for specific directions for use, recommendations, restrictions and additional weeds controlled not specified on this label.

Mixing: Refer to the “**Product Information**” section in the front of this label.

Application: For specific application information, refer to the “**Product Information**” section in the front of this label.

WEEDS CONTROLLED							
ANNUAL GRASSES				ANNUAL BROADLEAVES			
Barnyardgrass	Foxtails	Bristly Starbur	Ragweed, Common	Bluegrass	Goosegrass	Carpetweed	Redweed
Broadleaf Signalgrass	Johnsongrass (seedling)	Copperleaf, Hophornbeam	Russian Thistle	Millet	Panicum, Fall	Florida Beggarweed	Sesbania
Crabgrass	Witchgrass	Florida Pusley	Shepherd's purse	Crowfootgrass		Galinsoga	Sicklepod
		Jimsonweed	Smartweeds			Knotweed	Spotted Spurge
		Kochia	Spurred Anoda			Lambsquarters	Velvetleaf
		Pigweeds	Venice Mallow			Prickly Sida/Teaweed	Wild Mustards
		Purslane					
Sharda Metribuzin 4SC and Command plus Treflan, Lasso, Dual, Prowl, or Sonalan will provide suppression (reduce the competition) of cocklebur and sunflower.							
APPLICATIONS							
BROADCAST RATES							
Sharda Metribuzin 4SC Plus Command Plus a Grass Herbicide							
Soil Texture ¹	Treflan (Pt./Acre)	Dual (Pt./Acre)	Prowl (Pt./Acre)	Lasso (Qt./Acre)	Sonalan (Pt./Acre)	Sharda Metribuzin 4SC (Pt./Acre)	Command 4EC ³ (Oz./Acre)
COARSE	1	1-1/4 to 1-1/2	1-1/2	2 to 2-1/2	1-1/4 to 2	1/2	1/2 to 3/4
MEDIUM	1-1/2	1-1/2 to 2	1-1/2 to 2	2-1/2 to 3	1-3/4 to 2-1/2	1/2 to 3/4 ²	1/2 to 3/4
FINE	2	2 to 2-1/2	1-1/2 to 2-1/2	2-1/2 to 3	2-1/4 to 3	3/4 to 1 ²	1/2 to 3/4
¹ Refer to “ Soil Texture ” paragraph on this label for specific soil classification. On coarse textured soils with a calcareous surface area or a pH of 7.5 or higher, do not use on loamy sand or sandy loam soils with less than 1% organic matter.							
² The higher rate of Sharda Metribuzin 4SC is recommended for the control of sicklepod and hemp sesbania. Use the lower rate of Sharda Metribuzin 4SC in the pre-plant incorporated tank mix on soils having a calcareous surface area or a pH of 7.5 or higher, and in those situations where soils within a field vary extremely in texture or organic matter content.							
³ Use the higher rate under moderate to heavy weed infestations.							

SOYBEANS: Sharda Metribuzin 4SC Plus Scepter Plus a Grass Herbicide

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

Sharda Metribuzin 4SC may be applied with Scepter herbicide and a grass herbicide (Treflan, Lasso, Dual, Prowl, or Sonalan) for the control of certain broadleaf weeds and grasses in soybeans. Sharda Metribuzin 4SC and Scepter plus Treflan or Sonalan may be applied pre-plant incorporated broadcast. Sharda Metribuzin 4SC and Scepter plus Lasso, Dual, or Prowl may be applied pre-plant incorporated, pre-emergence broadcast or in a band application.

Consult the Scepter, Treflan, Lasso, Dual, Prowl, or Sonalan labels for specific directions for use, recommendations, restrictions and additional weeds controlled not specified on this label.

Mixing: Refer to the “**Product Information**” section in the front of this label.

Application: For specific application information, refer to the “**Product Information**” section in the front of this label.

Weeds Controlled: Sharda Metribuzin 4SC plus Scepter plus Treflan, Lasso, Dual, Prowl, or Sonalan will control the following broadleaf weeds and grasses:

WEEDS CONTROLLED																																
ANNUAL GRASSES				ANNUAL BROADLEAVES																												
Barnyardgrass	Foxtails	Bristly Starbur	Pigweeds	Bluegrass	Goosegrass	Buffalobur	Prickly Sida/Teaweed	Broadleaf Signalgrass	Johnsongrass (seedling)	Carpetweed	Purslane	Browntop Millet	Panicum, Fall	Cocklebur	Ragweed, Common	Crabgrass	Witchgrass	Coffee Senna	Redweed	Crowfootgrass		Copperleaf, Hophornbeam	Russian Thistle	Florida Beggarweed	Florida Pusley	Galinsoga	Jimsonweed	Knotweed	Kochia	Lambsquarters	Morningglory, Pitted	Morningglory, Smallflower
Sharda Metribuzin 4SC and Scepter plus Treflan, Lasso, Dual, Prowl, or Sonalan will suppress (reduce the competition of) ivyleaf and tall morningglory, and red rice.																																
APPLICATIONS																																
BROADCAST RATES																																
Soil Texture ¹	Treflan (Pt./Acre)	Dual (Pt./Acre)	Prowl (Pt./Acre)	Lasso (Qt./Acre)	Sonalan (Pt./Acre)	Sharda Metribuzin 4SC (Pt./Acre)	Scepter (1.5 lbs./Gal. liquid ³ (Pt./Acre) – or –	Scepter 70 DG ³ (Oz./Acre)																								
COARSE	1	1-1/4 to 1-1/2	1-1/2	2 to 2-1/2	1-1/4 to 2	1/2	1/3 to 1/2	1.4 to 2.1																								
MEDIUM	1-1/2	1-1/2 to 2	1-1/2 to 2	2-1/2 to 3	1-3/4 to 2-1/2	1/2 to 3/4 ²	1/3 to 1/2	1.4 to 2.1																								
FINE	2	2 to 2-1/2	1-1/2 to 2-1/2	2-1/2 to 3	2-1/4 to 3	3/4 to 1 ²	1/3 to 1/2	1.4 to 2.1																								
¹ Refer to “Soil Texture” paragraph on this label for specific soil classification. On coarse textured soils with a calcareous surface area or a pH of 7.5 or higher, do not use on loamy sand or sandy loam soils with less than 1% organic matter. ² The higher rate of Sharda Metribuzin 4SC is recommended for pre-emergence tank mix application and for the control of sicklepod and hemp sesbania. Use the lower rate of Sharda Metribuzin 4SC in the pre-plant incorporated tank mix on soils having a calcareous surface area or a pH of 7.5 or higher, and in those situations where soils within a field vary extremely in texture or organic matter content. ³ Use the higher rate under moderate to heavy weed infestations.																																

SOYBEANS: Sharda Metribuzin 4SC Plus Pursuit[®] Plus a Grass Herbicide

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

Sharda Metribuzin 4SC may be tank mixed with Pursuit herbicide and a registered and recommended grass herbicide (Dual, Lasso, Prowl, Sonalan, or Treflan) for control of certain broadleaf and grass weeds in soybeans. Refer to the product labels for Pursuit, Dual, Lasso, Prowl, Sonalan, or Treflan for additional directions for use, recommendations, restrictions and limitations not included on this label.

Tank mix combinations of Sharda Metribuzin 4SC, Pursuit and Dual, Lasso, or Prowl can be applied broadcast pre-emergence or pre-plant incorporated. When the grass herbicide used is Sonalan or Treflan, apply the tank mix broadcast pre-plant incorporated.

Mixing and Application: Refer to the “**Product Information**” section of this label for directions on mixing and application of Sharda Metribuzin 4SC.

APPLICATIONS		
BROADCAST RATES		
Sharda Metribuzin 4SC Plus Pursuit Plus a Grass Herbicide*		
SOIL TEXTURE	Sharda Metribuzin 4SC	Pursuit (Oz./Acre)
COARSE	1/2	4
MEDIUM	3/5 to 3/4	4
FINE	3/4 to 1	4

*For control of grass weeds, include Dual, Lasso, Prowl, Sonalan, or Treflan at label rates in the tank mix with Sharda Metribuzin 4SC and Pursuit herbicides.

Restrictions:

- Do not apply this tank mix with aerial or irrigation equipment.
- Do not apply when weather conditions favor drift, or allow sprays to drift onto adjacent desirable plants.
- Do not use treated vines for feed or forage.
- Refer to appropriate sections of the Pursuit herbicide label for restrictions on use area and rotational crops.

SOYBEANS: Sharda Metribuzin 4SC Plus Pursuit Plus Herbicide

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

Sharda Metribuzin 4SC may be tank mixed with Pursuit Plus herbicide for broadcast pre-emergence or pre-plant incorporated application to soybeans for control of certain broadleaf and grass weeds. Refer to the Pursuit Plus herbicide label for additional directions for use, recommendations, restrictions and limitations not included on this label.

Mixing and Application: Refer to the “**Product Information**” section of this label for directions on mixing and application of Sharda Metribuzin 4SC.

APPLICATIONS		
BROADCAST RATES		
Sharda Metribuzin 4SC Plus Pursuit Plus Herbicide		
SOIL TEXTURE	Sharda Metribuzin 4SC (Pt./Acre)	Pursuit Plus (Pt./Acre)
COARSE	1/2	2-1/2
MEDIUM	3/5 to 3/4	2-1/2
FINE	3/4 to 1	2-1/2

Restrictions:

- Do not apply this tank mix with aerial or irrigation equipment.
- Do not apply when weather conditions favor drift, or allow sprays to drift onto desirable plants.
- Do not use treated vines for feed or forage.
- Refer to appropriate sections of the Pursuit Plus herbicide label for restrictions on use area and rotational crops.

SOYBEANS: Sharda Metribuzin 4SC Plus Linuron Plus (Lasso or Dual)

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

Sharda Metribuzin 4SC plus Linuron Plus (Lasso or Dual) Tank mix Application: Sharda Metribuzin 4SC may be applied in combination with Linuron 50 DF or 4L and Lasso 4 or Dual 8EC as a pre-emergence application for the control of certain weeds in soybeans. Consult the Linuron, Lasso, or Dual labels for specific directions for use, recommendations, restrictions and any additional weeds not specified on this label.

Mixing: Refer to the “**Product Information**” section in the front of this label.

Application: Applications can be made only with ground spray equipment in accordance with specified soil types and dosage rates. For specific application information, refer to the “**Product Information**” section in the front of this

label.

Sharda Metribuzin 4SC Plus Linuron Plus (Lasso or Dual) Broadcast Rates (0.5% to 3% Organic Matter Only)					
SOIL TEXTURE	Sharda Metribuzin 4SC (Pt./Acre)	Linuron 50 DF (lb./Acre) or 4L (Pt./Acre)	Lasso 4 ¹ (Qt./Acre)	Or	Dual 8EC (Pt./Acre)
COARSE ² (Sandy, loamy sand, sandy loam)	1/4 to 3/8	1/3 to 1/2	3/4 to 1	Or	1 to 1-1/4
MEDIUM (Loam, silt loam, silt, sandy clay, sandy clay loam)	3/8 to 1/2	1/2 to 3/4	1 to 1-1/2	Or	1-1/4 to 1-1/2
FINE (Silty clay, silty clay loam ² , clay, clay loam)	1/2 to 3/4	3/4 to 1-1/2	1-1/4 to 2	Or	1-1/2 to 2
¹ Do not use Sharda Metribuzin 4SC plus linuron (Lasso or Dual) on sand soils with less than 1% organic matter.					
² Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.					
Special Restrictions: For additional precautions, restrictions, limitations, and sprayer clean-up information, refer to the appropriate sections of this label and the linuron label and the Lasso or Dual labels.					

For Use in Coarse (Light) Soils in Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, and Virginia.

Sharda Metribuzin 4SC herbicide is recommended alone or in combination with Treflan, Lasso or Dual for use in coarse-textured, low organic matter soils in the states listed above for the control of certain weeds in soybeans. Refer to the appropriate sections of this label and the Treflan, Lasso or Dual label for specific directions for use, recommendations, restrictions, and any additional weeds not specified on this label.

Mixing: Refer to the “**Product Information**” section in the front of this label.

Application: For specific application information, refer to the “**Product Information**” section in the front of this label.

BROADCAST RATES Sharda Metribuzin 4SC (Alone) Pre-Emergence Applications		
SOIL TEXTURE	ORGANIC MATTER	Sharda Metribuzin 4SC (Pt./Acre)
Coarse (Light) Soils (Sand ¹ , Loamy Sand, Sandy Loam)	1/2% or Above	1/2 to 3/4 ²
¹ Not recommended for use on sand with less than 1% organic matter.		
² Use the higher rate under heavy weed pressures and/or on soils higher in organic matter.		

Sharda Metribuzin 4SC in Combination with Other Herbicides: Sharda Metribuzin 4SC is recommended in a tank mix combination with Treflan as a pre-plant incorporated application or as a pre-emergence overlay application following a pre-plant incorporated application of Treflan. Sharda Metribuzin 4SC is also recommended for use as a pre-emergence application in combination with Lasso or Dual.

For Use in Coarse (Light) Soils (Broadcast Rates)				
SOIL TEXTURE	ORGANIC MATTER	COMBINATION PRODUCT/ACRE	PLUS	Sharda Metribuzin 4SC (Pt./Acre)
COARSE (Light) SOILS Sand ¹ , Loamy Sand, Sandy Loam	1/2% or Above	Pre-plant Incorporated Treflan 4EC 1 pt.	Plus	1/2 to 3/4 ²
		Pre-emergence Plus Lasso 4EC 1-1/2 to 2 qts.	Plus	1/2 to 3/4 ²
		Dual 8EC 1-1/4 to 1-1/2 pts.	Plus	1/2 to 3/4 ²
¹ Not recommended for use on sand with less than 1% organic matter.				
² Use the higher rate under heavy weed pressures and/or on soils higher in organic matter.				
Restriction:				
<ul style="list-style-type: none"> Do not use on sand soils with less than 1% organic matter, or on sandy loam or loamy sand soils with less than 0.5% organic matter. 				
For additional precautions, restrictions, limitations and sprayer clean-up information, refer to the appropriate sections of this label and the Treflan, Lasso, or Dual labels.				

FIELD CORN AND SOYBEANS: BURNDOWN WEED CONTROL

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example,

first aid from one product, spray drift management from another).

Sharda Metribuzin 4SC can be used as part of a herbicide program for burndown of existing vegetation prior to crop emergence in conservation tillage systems. Sharda Metribuzin 4SC may be tank mixed with 2,4-D low volatile ester (LVE), Gramoxone Extra, or glyphosate/Touchdown for control of emerged weeds prior to field corn or soybean emergence. Sharda Metribuzin 4SC tank mixes with 2,4-DB, Fusion, Poast Plus or Select may also be used in soybeans for control of emerged weeds prior to crop emergence. Sharda Metribuzin 4SC burndown tank mixes can be applied before planting or prior to crop emergence in the following areas:

Field Corn: Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Nebraska, Ohio, South Dakota, and Wisconsin.

Soybeans: All areas for all products except Fusion tank mixes – see Fusion section of this label for list of states.

Application: Sharda Metribuzin 4SC may be applied up to 30 days prior to planting or pre-emergence. Apply only by ground equipment when Sharda Metribuzin 4SC is used for burndown of existing vegetation in conservation tillage systems. Sharda Metribuzin 4SC and tank mix partner burndown rates are listed in the following three tables:

SHARDA METRIBUZIN 4SC BURNDOWN RATES - FIELD CORN AND SOYBEANS		
CROPS	APPLICATION TIMING	SHARDA METRIBUZIN 4SC RATE
Field Corn Iowa Kansas Missouri	Pre-plant 0 to 30 days	3 to 8
	Pre-emergence	
Field Corn Illinois Indiana Kentucky Michigan	Pre-plant 10 to 30 days	3 to 8
	Pre-plant 0 to 9 days	3 to 6
	Pre-emergence	
Soybeans	Pre-plant 0 to 30 days	3 to 8
	Pre-emergence	

SHARDA METRIBUZIN 4SC PLUS TANK MIX PARTNER BURNDOWN RATES – FIELD CORN OR SOYBEANS		
PRODUCT	RATE	DIRECTIONS AND REMARKS
Sharda Metribuzin 4SC + 2,4-D LVE	3 to 8 fl. oz./A* + 1/4 to 1 lb. a.i./A	In soybeans, apply at least 7 days pre-plant when using 2,4-D LVE at 1/4 to 1/2 lb. a.i./A and at least 30 days pre-plant with rates greater than 1/2 lb. a.i./A. Include crop oil concentrate (COC) at the rate of 1 gal./100 gals. of spray solution (1% v/v). In corn, apply at least 7 days pre-plant or at least 3 days after planting but before corn emergence.
Sharda Metribuzin 4SC + Gramoxone Extra	3 to 8 fl. oz./A* + 24 to 48 fl. oz./A	Must be applied prior to crop emergence. Use 24 to 32 fluid ounces of Gramoxone Extra for weeds less than 4 inches in height and 32 to 48 fluid ounces when weeds are 4 to 6 inches in height. Apply in 20 to 60 gallons of water per acre. Include either non-ionic surfactant at 1 quart per 100 gallons (0.25% v/v) or crop oil concentrate at 1 gallon per 100 gallons (1% v/v) of spray solution.
Sharda Metribuzin 4SC + Gramoxone Extra + 2,4-D LVE	3 to 8 fl. oz./A* + 24 to 48 fl. oz./A + 1/4 to 1 lb. a.i./A	For this tank mix follow the Directions and Remarks Sections above for Sharda Metribuzin 4SC + 2,4-D LVE and Sharda Metribuzin 4SC + Gramoxone Extra, paying special attention to crop planting restrictions with 2,4-D LVE. Include either non-ionic surfactant or crop oil concentrate in this tank mix.
Sharda Metribuzin 4SC + glyphosate or Touchdown	3 to 8 fl. oz./A + 12 to 24 fl. oz./A or 8 to 16 fl. oz./A	Must be applied prior to crop emergence. Use the higher rates as weeds approach the maximum weed heights listed in the “Weeds Controlled” section below. Apply in 10 to 20 gallons of water per acre. With glyphosate and Touchdown, include non-ionic surfactant at 2 quarts per 100 gallons (0.5% v/v) and ammonium sulfate (spray grade) at 17 pounds per 100 gallons of spray solution. With glyphosate Ultra, include ammonium sulfate (spray grade) at 17 pounds per 100 gallons of spray solution. Any glyphosate formulation registered and labeled for use in field corn or soybeans may be tank mixed with Sharda Metribuzin 4SC.

Sharda Metribuzin 4SC + glyphosate or Touchdown + 2,4-D LVE	3 to 8 fl. oz./A* + 12 to 24 fl. oz./A or 8 to 16 fl. oz./A + 1/4 to 1 lb. a.i./A	For this tank mix follow the Directions and Remarks Sections above for Sharda Metribuzin 4SC + 2,4-D LVE and Sharda Metribuzin 4SC + glyphosate/Touchdown, paying special attention to planting restrictions with 2,4-D LVE. Use the adjuvant recommendations under the Sharda Metribuzin 4SC + glyphosate/Touchdown tank mix. Do not use crop oil concentrate.
*If applied to field corn in Illinois, Indiana, Kentucky, Michigan, Minnesota, Ohio and Wisconsin, refer to Table "Sharda Metribuzin 4SC Burndown Rates – Field Corn and Soybeans" for correct Sharda Metribuzin 4SC rate based on application timing.		

SHARDA METRIBUZIN 4SC PLUS TANK MIX PARTNER BURNDOWN RATES – SOYBEANS ONLY		
PRODUCT	RATE	DIRECTIONS AND REMARKS
Sharda Metribuzin 4SC + 2,4-DB	3 to 8 fl. oz./A + 1/8 to 7/32 lb. a.i./A	Apply pre-plant on or before soybean emergence. Include non-ionic surfactant at 2 quarts per 100 gallons (0.5% v/v) of spray solution.
Sharda Metribuzin 4SC + Fusion + 2,4-D LVE	3 to 8 fl. oz./A + 4 to 8 fl. oz./A + 1/4 to 1 lb. a.i./A	For use only in Delaware, Illinois, Indiana, Iowa, Kansas, Kentucky, Maryland, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, Pennsylvania, South Dakota, Virginia, West Virginia, and Wisconsin. For this tank mix follow the planting restrictions under the Directions and Remarks Section above for Sharda Metribuzin 4SC + 2,4-D LVE. Fusion rates of 4, 6 and 8 fl. oz. will control certain grasses up to 2, 4, and 6 inches in height respectively. Include either crop oil concentrate at 1 gallon per 100 gallons (1.0% v/v) or non-ionic surfactant at 1 to 2 quarts per 100 gallons (0.25 to 0.5% v/v) of spray solution. Refer to the Fusion label for additional information.
Sharda Metribuzin 4SC + Poast Plus + 2,4-D LVE	3 to 8 fl. oz./A + 8 to 12 fl. oz./A + 1/4 to 1 lb. a.i./A	For this tank mix follow the planting restrictions under the Directions and Remarks Section above for Sharda Metribuzin 4SC + 2,4-D LVE. The 8 and 12 fl. oz. rate of Poast Plus will control certain grasses up to 2 and 3 inches in height, respectively. Include either crop oil concentrate at the rate of 1 gallon per 100 gallons of spray solution (1% v/v) or Dash HC at 1 pint per acre. Refer to the Poast Plus label for additional information.
Sharda Metribuzin 4SC + Select + 2,4-D LVE	3 to 8 oz./A + 3 to 4 fl. oz./A + 1/4 to 1 lb. a.i./A	For this tank mix follow the planting restriction under the Directions and Remarks Section above for Sharda Metribuzin 4SC + 2,4-D LVE. The 3 and 4 fluid ounce rates of Select will control certain grasses up to 3 and 4 inches in height, respectively. Include crop oil concentrate at the rate of 1 quart per acre and 28% UAN (urea ammonium nitrate) at a rate of 1 to 2 quarts per acre. Refer to the Select label for additional information.

Restrictions: Do not apply these treatments after crop emergence. Observe all precautions and limitations on the labeling of all products used in tank mixtures. Refer to the "Product Information" section of this label for additional information, precautions, and limitations.

Field Corn:

- Do not apply on coarse textured soils with less than 1.5% organic matter.
- Do not apply more than 6 ounces of Sharda Metribuzin 4SC per acre on soils with less than 2% organic matter.
- Do not apply on soils having pH 7.0 or greater.
- Do not apply more than 8 ounces Sharda Metribuzin 4SC (0.25 pound active ingredient) per acre per growing season.
- Plant corn seed a minimum of 1-1/2 inches deep.
- Sharda Metribuzin 4SC may only be used in hybrid seed corn production fields if both inbred parents are known to be tolerant to Sharda Metribuzin 4SC.

Soybeans:

- Apply only 2,4-D low volatile ester formulations which are registered and recommended for pre-plant or burndown use in soybeans.
- Do not apply tank mixtures containing 2,4-D LVE if wind is blowing toward desired susceptible plants (i.e., cotton, tobacco, tomato, etc.) or when wind speeds exceed 6 miles per hour.

Feeding Restrictions:

- Pre-harvest Interval (PHI): Corn treated with Sharda Metribuzin 4SC may be harvested for silage or grain 60 days after treatment.
- Soybean vines or hay treated with Sharda Metribuzin 4SC may be grazed or fed to livestock 40 days after application.
- Do not feed hay, forage, fodder or graze 2,4-D, Select, or Fusion treated vegetation.
- Follow the most restrictive pre-harvest interval of all products used in a tank mixture.

Weeds Controlled: Sharda Metribuzin 4SC in tank mixtures with the above herbicides will provide burndown control of the weeds listed below.

WEEDS CONTROLLED BY BURNDOWN RATES OF SHARDA METRIBUZIN 4SC PLUS									
WEEDS CONTROLLED	2,4-D LVE	Poast Plus + 2,4-D LVE	Select + 2,4-D LVE	Fusion + 2,4-D LVE	Glyphosate / Touchdown	Glyphosate / Touchdown + 2,4-D LVE	Gramoxone Extra	Gramoxone Extra + 2,4-D LVE	2,4-DB
ANNUAL GRASSES	MAXIMUM BURNDOWN HEIGHT (INCHES)								
Barley	Does Not Control These Species.	-	-	-		8		4 to 6	Does Not Control These Species.
Barnyardgrass		2 to 3	3 to 4	-		6		4 to 6	
Crabgrass spp.		2 to 3	-	-		6		4 to 6	
Foxtail, spp.		2 to 3	3 to 4	2 to 6		8		4 to 6	
Johnsongrass, seedling		2 to 3	-	-		8		4 to 6	
Panicum, fall		2 to 3	3	2 to 6		6		4 to 6	
Sandbur, field		-	-	-		8		4 to 6	
Shattercane		2 to 3	-	-		8		4 to 6	
Wheat, volunteer		-	-	-		6		4 to 6	
Witchgrass		2 to 3	-	-		6		4 to 6	
BROADLEAVES	MAXIMUM BURNDOWN HEIGHT (INCHES)								
Buffalobur		-			6	6	4 to 6	4 to 6	-
Chickweed, common		6			6	8	4 to 6	4 to 6	2
Cocklebur, common		6			6	8	4 to 6	4 to 6	6
Dandelion, common		6 dia ^a			2 dia ^b	6 dia ^a	4 dia ^d	6 dia ^a	2 dia
Henbit		4			4	4	4 to 6	4 to 6	-
Horseweed/marestail		6a,c			4b	6	3	6a	2c
Jimsonweed		6			6	6	4 to 6	4 to 6	2
Kochia*		4a,c			4	4	4	4	-
Ladysthumb		6			6	8	4 to 6	4 to 6	3
Lambsquarters, common		6			6	8	4 to 6	4 to 6	2
Lettuce, prickly		6			4	6	4 to 6	4 to 6	2
Mallow, Venice		6			6	6	4 to 6	4 to 6	-
Morningglory, spp.		6			2	4	2	4	4
Mustard, spp.		6			6	8	4 to 6	4 to 6	2
Pennycress, field		6			6	6	4 to 6	4 to 6	2
Pigweed, spp. (annual)		6			6	8	4 to 6	4 to 6	3
Ragweed, common		6			6 ^b	8	4 to 6	4 to 6	2
Ragweed, giant		6a,c			4b	6	4	6	2
Shepherd's purse		6			6	6	4 to 6	4 to 6	-
Sida, prickly		6			4	4	4	4	1
Smartweed, Pennsylvania		6			6	8	4 to 6	4 to 6	3
Sunflower, common		6			6	6	4 to 6	4 to 6	4
Thistle, Russian		4a,c			2 to 4 ^{b,c}	6	4	4 to 6	3c
Velvetleaf		6			6	8	4 to 6	4 to 6	3
Waterhemp, spp.		6			6	8	4 to 6	4 to 6	3
^a Use 2,4-D LVE at 0.5 pound active ingredient per acre. ^b Use a minimum glyphosate rate of 16 fl. oz./A and a minimum Touchdown rate of 10.6 fl. oz./A. ^c Use Sharda Metribuzin 4SC at 4 oz./A for optimum control. ^d Suppression only.									

RESIDUAL WEED CONTROL

Sharda Metribuzin 4SC burndown programs can be used as part of a full season weed control program in both field corn and soybeans when,

- 1) applied as a tank mixture with residual herbicides, or
- 2) followed with a post-emergence weed control program, which is registered for use on that crop.

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example,

first aid from one product, spray drift management from another).

For residual control, Sharda Metribuzin 4SC burndown programs may include tank mixes with the following herbicides or combination of herbicides:

Field Corn

Alachlor	Bullet	Lariat	Pursuit ^a
Atrazine	Clarity	Linex	Pursuit Plus ^a
Banvel	Cycle	Linuron	Ramrod
Bicep	Dual	Lorox	Ramrod/Atrazine
Bicep II	Dual II	Marksman	Surpass
Bicep Lite	Frontier	Pentagon	Surpass 100
Broadstrike + Dual	Guardsman	Prowl	Topnotch
Broadstrike Plus	Harness		

^aUse only Pursuit resistant/tolerant corn hybrids.

Soybeans

Alachlor	Dual	New Lorox Plus	Pursuit Plus
Broadstrike + Dual	Dual II	Pentagon	Scepter
Canopy	Frontier	Preview	Squadron
Command	Gemini	Prowl	Turbo
Detail	Linuron	Pursuit	

Refer to the individual product labels for additional information, precautions, and limitations.

SOYBEANS: SOUTHERN AND SOUTHEASTERN STATES ONLY **Post-Emergence Directed Spray Applications**

Sharda Metribuzin 4SC can be applied in post-emergence directed sprays to soybeans for control of certain weeds which escape pre-plant or pre-emergence herbicide applications and for control of additional flushes of weeds that may occur after soybeans have emerged. Post-emergence directed sprays of Sharda Metribuzin 4SC can be applied to soybeans in addition to a pre-emergence or pre-plant application of Sharda Metribuzin 4SC herbicide according to label directions.

Weeds Controlled: Sharda Metribuzin 4SC, applied post-emergence to soybeans as a directed spray according to directions on this label, will control the following at rates shown (broadcast basis) when grasses and common ragweed are less than 1 inch tall and other broadleaves are less than 3 inches tall:

WEEDS CONTROLLED		
1/2 Pt./Acre	1/2 to 1 Pt./Acre	1 Pt./Acre
Florida beggarweed (<i>Desmodium tortuosum</i>) Pigweeds (<i>Amaranthus</i> spp.) Carpetweed (<i>Mollugo verticillata</i>) Cocklebur (<i>Xanthium pensylvanicum</i>) Dayflower (<i>Commelina</i> spp.) Mexicanweed (<i>Caperonia castaneifolia</i>) Purslane (<i>Portulaca oleracea</i>) Sicklepod (<i>Cassia obtusifolia</i>) Velvetleaf (<i>Abutilon theophrasti</i>) Crabgrass (<i>Digitaria</i> spp.)	Sesbania (<i>Sesbania</i> spp.) Prickly Sida/Teaweed (<i>Sida spinosa</i>)	Ragweed, common (<i>Ambrosia artemisiifolia</i>)
At the rate of 1/2 pt./acre morningglory species (<i>Ipomoea</i> spp.), horsenettle (<i>Solanum</i> spp.), Florida pusley (<i>Richardia scabra</i>), spotted spurge (<i>Euphorbia maculata</i>), and wild poinsettia (<i>Euphorbia heterophylla</i>) are suppressed when Sharda Metribuzin 4SC is applied before these weeds are 3 inches tall. The 1 pt./acre rate will suppress broadleaf signalgrass (<i>Brachiaria platyphylla</i>) up to 1 inch tall.		

SHARDA METRIBUZIN 4SC POST-EMERGENCE DIRECTED SPRAY

APPLICATIONS		
CROP	Sharda Metribuzin 4SC (Pt./Acre)	REMARKS

Soybeans (Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee, and Texas)	1/2 to 1 (Broadcast Basis)	Apply proper dosage using 10 to 40 gallons of water per acre as a directed spray in a 6- to 8-inch band of each side of the row after soybeans are 8 inches tall and before broadleaf weeds are 3 inches tall and before grasses and common ragweed are 1 inch tall. For best results the spray must cover weed foliage with minimum or no contact with soybean foliage. Add a non-ionic surfactant such as Ortho X-77 to the spray mixture to obtain better wetting of weed leaf surfaces. To determine the correct dosage of Sharda Metribuzin 4SC for a band application see " Banded Application " under the " Product Information " section in the front of this label. If necessary, a second post-emergence directed spray application can be made after 7 days.
<p>Special Precautions (Directed Post-emergence): See "Special Precautions" in the front of this label. To avoid injury to other crops or desirable plants from spray drift, sprayer pressure must not exceed 30 psi and the sprayer must be fitted with nozzles no smaller than 8002-T-Jet (or equivalent).</p> <p>Restrictions:</p> <ul style="list-style-type: none"> • Pre-harvest Interval (PHI): Do not harvest soybeans or use dry soybean vines or feed or forage within 70 days of last application. • Do not feed or graze green soybean vines. • Do not apply directly to soybeans or serious crop injury will occur. • Do not allow spray to contact more than the lower 1/4 to 1/3 of soybean plants. Soybean leaves contacted by the spray will be killed. • Do not apply Sharda Metribuzin 4SC post-emergence to sensitive soybean varieties. • Do not apply under weather conditions which favor drift. 		

POTATOES

Sharda Metribuzin 4SC herbicide is recommended for use in ground, aircraft or specified chemigation equipment as a pre-emergence and/or post-emergence application to potatoes. Early maturing smooth skinned white and all red skinned varieties may be injured with post-emergence applications. The varieties Atlantic, Bellchip, Centennial, Chipbelle, and Shepody are sensitive to Sharda Metribuzin 4SC. Avoid post-emergence applications on these varieties. Pre-emergence applications on these varieties may cause crop injury under adverse weather conditions, on coarse soils, under high soil pH, with higher rates per acre and with mechanical incorporation.

Ground Application: Sharda Metribuzin 4SC is recommended for use with ground spray equipment applied as a pre-emergence and/or post-emergence application for control of the listed grass and broadleaf weeds in potatoes. Apply as a uniform broadcast spray at 20 or more gallons per acre.

Aerial Application: Sharda Metribuzin 4SC may be applied in aerial spray equipment as a pre-emergence and/or post-emergence application at 5 or more gallons per acre.

Chemigation: Sharda Metribuzin 4SC may be applied pre-emergence and/or early post-emergence to potatoes using center pivot, solid set and lateral roll systems. Apply specified dosage in 1/4 to 3/4 inches of water per acre (1/4 to 1/2 inches on sandy soil) as a continuous injection in self-propelled systems or apply in the last 15 to 30 minutes of the set in other systems. Be sure all the Sharda Metribuzin 4SC has been flushed from the lines before shutting down the system.

WEEDS CONTROLLED				
Sharda Metribuzin 4SC applied to potatoes according to directions, will provide economic control of the following weeds. For optimum control, applications should be made before weeds are 1 inch tall. (See NOTE)				
BROADLEAVES			GRASSES	
Carpetweed, common ¹ Cocklebur, common ^{1,2} Jimsonweed ¹ Kochia ³ Lambsquarters, common ^{1,2} Mustard, Indian ¹	Mustard, tansy ¹ Mustard, tumble ¹ Mustard, wild ¹ Pennycress, field ^{1,2} Pigweed, redroot ^{1,2} Pigweed, smooth ^{1,2}	Ragweed, common ^{1,2} Shepherd's purse ¹ Sicklepod ¹ Smartweed, Pennsylvania ^{1,2} Sunflower, common ³ Thistle, Russian ²	Barnyardgrass ³ Crabgrass, large ¹ Crabgrass, smooth ¹ Foxtail, giant ¹ Foxtail, green ¹ Foxtail, yellow ¹	Johnsongrass, seedling ¹ Panicum, fall ¹ Signalgrass, broadleaf ¹
¹ Weeds controlled with pre-emergence applications. ² Weeds controlled with post-emergence applications. ³ Weeds requiring two applications for control.				

HARD TO CONTROL WEEDS

Although Sharda Metribuzin 4SC may not provide commercially acceptable control in every instance, it will suppress growth of the following weeds and reduce their competition with potato plants.			
BROADLEAVES		GRASSES	
Kochia	Purslane, common	Barnyardgrass	Nutsedge, yellow
Nightshade, hairy	Sunflower, common		
NOTE: Where triazine-resistant weeds are present, Sharda Metribuzin 4SC alone may not provide adequate control.			

BROADCAST APPLICATIONS		
CROP	Sharda Metribuzin 4SC (Pt./Acre)	REMARKS
Potatoes	1/2 to 2	PRE-EMERGENCE: Apply specified dosage as a broadcast spray. Do not mechanically incorporate into soil. Use the 1/2 to 1 pint/acre rate for control of wild mustard (<i>Brassica</i> spp.) only. On sand soils or sensitive varieties, do not exceed 1 pint/acre.
Potatoes (except early maturing smooth, skinned, red skinned, and other specified varieties.)	1/2 to 1	<p>POST-EMERGENCE: Apply specified dosage as a broadcast spray over the tops of potato plants. *Use rates of 1/2 to 1 pint/acre for control of redroot pigweed and common lambsquarters only. Apply the 1 pint/ acre rate for control of other weeds listed on this label.</p> <p>SPLIT APPLICATIONS: This product may be applied once pre-emergence and once post-emergence as directed above. *Do not exceed 2 pints total per acre per season.</p> <p>IDAHO, OREGON, AND WASHINGTON ONLY: Two post-emergence applications can be made as broadcast sprays over the tops of potato plants if Sharda Metribuzin 4SC is not applied pre-emergence. Use 1/2 to 1 pint/acre for control of redroot pigweed and lambsquarters only. On coarse (sandy) soils with low organic matter do not exceed 3/4 pint/acre per application. On medium and heavy soils only, use 1 pint/acre per application for control of other weeds listed on this label and for suppression of hairy nightshade. Make the first application early in the season while weeds are still small. Allow at least 14 days before the second application. Do not apply after June 30 if treated land is to be planted to crops other than potatoes.</p>

***Special Precautions:**

Post-emergence applications may cause some chlorosis or minor necrosis. These symptoms may be more severe if seed-piece decay is occurring or if growing conditions favor crop stress.

Post-emergence applications may be made only on russet or white skinned varieties that are not early maturing.

Potato varieties may vary in their response to herbicide application. When using Sharda Metribuzin 4SC for the first time on a particular variety, always determine crop tolerance before using on a field scale.

Certain cereal varieties are sensitive to Sharda Metribuzin 4SC (see cereal section of this label for sensitive varieties) and should not be planted during the next growing season unless the following cultural practices occur:

1. Potato vines left in rows as a result of harvest must be uniformly distributed over the soil surface prior to plowing and,
2. Plow with a moldboard plow to a depth sufficient to mix the upper 8 inches of soil.

Restrictions:

- Do not rotate any crop not listed on this label for 18 months following application.
- Do not use Sharda Metribuzin 4SC on potatoes in Kern County, California.
- Do not apply more than a total of 2 pints Sharda Metribuzin 4SC per acre in a single crop season regardless of the method of application.
- Do not make post-emergence applications prior to rainfall or irrigation on recently cultivated potatoes, or within 3 days after periods of cool, wet cloudy weather or injury may occur.
- Pre-harvest Interval (PHI): Do not apply Sharda Metribuzin 4SC within 60 days of harvest.
- Do not use air blast sprayers.
- Do not apply to sweet potatoes or yams.

TANK MIXES: It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

Sharda Metribuzin 4SC may be tank mixed with the following herbicides: Dual/Dual II, Eptam, Prowl 3.3 EC, and Matrix. In addition, three-way tank mix combinations may be used for Sharda Metribuzin 4SC plus Dual/Dual II, Eptam, or Prowl 3.3 EC plus Matrix when applied pre-emergence. Refer to each product's label for precautionary statements, restrictions, application information and weeds controlled.

Dual/Dual II: Sharda Metribuzin 4SC may be applied in a tank mix combination with Dual/Dual II as a pre-emergence broadcast application. Apply Sharda Metribuzin 4SC at 3/4 to 2 pints per acre and Dual/Dual II at 1.5 to 3 pints per acre according to the respective labels for use of each product alone on potatoes.

Eptam: Sharda Metribuzin 4SC may be tank mixed with Eptam at rates and uses permitted on each product's label.

Prowl 3.3 EC: Sharda Metribuzin 4SC may be applied in tank mix combination with Prowl as a pre-emergence or early post-emergence broadcast application. As a pre-emergence mix, apply Sharda Metribuzin 4SC at 1 to 2 pints per acre and Prowl at 1.2 to 3.6 pints per acre. As an early post-emergence spray, apply Sharda Metribuzin 4SC at 1/2 to 1 pint per acre and Prowl at 1.2 to 3.6 pints per acre before the crop is in the 6-inch growth stage.

Matrix (except the following counties in Colorado: Almosa, Conejos, Costilla, Rio Grande and Saguache): Sharda Metribuzin 4SC may be applied in tank mix combination with Matrix as a pre-emergence and/or early post-emergence application for improved control on weeds such as Russian thistle, kochia, and common lambsquarters. As a pre-emergence mix, apply Sharda Metribuzin 4SC at 1/2 to 1.125 pints per acre and Matrix at 1 to 1-1/2 oz. product per acre. As an early post-emergence spray, apply Sharda Metribuzin 4SC at 1/2 to 1 pint per acre and Matrix at 1 to 1-1/2 oz. product per acre. Use a non-ionic surfactant at a rate of 0.125% v/v (1 pint/100 gallons of water). Apply before the crop exceeds 14 inches in height. Make post-emergence applications of Matrix treatments prior to June 30.

ALFALFA AND SAINFOIN

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

Sharda Metribuzin 4SC herbicide is recommended for use in alfalfa and sainfoin in the following areas:

- Alfalfa and Sainfoin (including mixed stands with grasses) (all areas except California).
- Alfalfa and Sainfoin (including mixed stands with grasses) (California only).
- Alfalfa – Tank mix combination with Gramoxone (Colorado, Idaho, Montana, Nevada, Oregon, Utah, Washington, Wyoming, and the following California counties: Del Norte, Lassen, Modoc, Nevada, Plumas, Shasta, Sierra, and Siskiyou).
- Alfalfa – Post-dormant application of Sharda Metribuzin 4SC impregnated on dry fertilizer only (Connecticut, Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Nebraska, New Mexico, New York, Ohio, Oklahoma, Pennsylvania, South Dakota, Tennessee, Texas, and Wisconsin).

Apply Sharda Metribuzin 4SC in aerial or ground spray equipment as a broadcast surface application to established crops of alfalfa and sainfoin for the control of certain grass and broadleaf weeds.

APPLICATION: Refer to “**Product Information**” in the front of this label for detailed information on the application of Sharda Metribuzin 4SC. For information on applying Sharda Metribuzin 4SC in fluid or on dry fertilizer refer to the “**Application of Sharda Metribuzin 4SC in Fluid Fertilizers**” or “**Commercial Impregnation and Application of Sharda Metribuzin 4SC on Dry Bulk Fertilizer**” under the “**Product Information**” section of this label.

RESTRICTIONS:

- Use Sharda Metribuzin 4SC only on established alfalfa and sainfoin.
- Do not apply Sharda Metribuzin 4SC after growth begins in the spring or before growth ceases in the fall, except as specified on this label.
- Pre-harvest Interval (PHI): Do not graze or harvest within 28 days after application.

For best weed control, apply Sharda Metribuzin 4SC when weeds are less than 2 inches tall or before weed foliage is 2 inches in diameter. Reduced weed control may occur when extended dry conditions follow application of Sharda Metribuzin 4SC.

Crop injury may occur when:

- Crop is under stress conditions such as diseases, insect infestations, poorly drained soils, drought or winter injury at time of application.
- Crop is treated within 12 months after seeding.
- There is excessive irrigation or rainfall immediately after application. Do not apply more than 1/2 inch of water in the first irrigation after Sharda Metribuzin 4SC is applied.

**ALFALFA and SAINFOIN (All Areas Except California)
BROADCAST APPLICATIONS**

CROP	Sharda Metribuzin 4SC (Pt./Acre)	REMARKS
Alfalfa and Sainfoin (Except California)	1/2 to 2	Select the proper dosage according to weeds known to be and present in field to be treated. On loamy sand soils in Oregon and Washington, do not apply more than 1 pt. of Sharda Metribuzin 4SC per acre.

FOR USE ON MIXED STANDS OF ALFALFA AND GRASSES

Rates of 1 to 1-1/2 pts. of Sharda Metribuzin 4SC per acre will provide partial reduction of forage grass stands. These rates may be used to reduce forage grass stands to prevent crowding out of alfalfa. Higher rates will severely reduce forage grass stands.

Do not apply Sharda Metribuzin 4SC to sand soils. In areas West of the Rocky Mountains, do not use Sharda Metribuzin 4SC on soils with calcareous surface area, high levels of lime or sodium, or a pH greater than 8.2.

WEEDS CONTROLLED - ALFALFA and SAINFOIN (Except California)				
1/2 to 3/4 Pt. Sharda Metribuzin 4SC/Acre	3/4 to 1 Pt. Sharda Metribuzin 4SC/Acre	1 to 2 Pts. Sharda Metribuzin 4SC/Acre		2 Pts. Sharda Metribuzin 4SC/Acre
Chickweed, Common (<i>Stellaria media</i>)	Cheat (<i>Bromus secalinus</i>) Deadnettle, Purple (<i>Lamium purpureum</i>) Downy brome (<i>Bromus tectorum</i>) Japanese brome (<i>Bromus japonicus</i>) Pennycress (<i>Thlaspi arvense</i>) Rescuegrass (<i>Bromus catharticus</i>) Shepherd's purse (<i>Capsella bursa pastoris</i>)	Broadleaves Fleabane, Rough (<i>Erigeron strigosus</i>) Fixweed (<i>Descurainia sophia</i>) Henbit (<i>Lamium amplexicaule</i>) Kochia (<i>Kochiascoparia</i>) Lambsquarters, Common Marestail (Horseweed) (<i>Hippuris vulgaris</i>) Meadow Salsify (<i>Tragopogon pratensis</i>) Mustard, Blue (<i>Chorispora tenella</i>) Mustard, Jim Hill (tumble) (<i>Sisymbrium altissimum</i>) Mustard, Tansy (<i>Descurainia pinnata</i>) Pepperweed (<i>Lepidium virginicum</i>) Pigweed, Redroot (<i>Amaranthus retroflexus</i>) Prickly Lettuce (<i>Lactuca serriola</i>) White Cockle (<i>Melandrium album</i>) Wild Buckwheat (<i>Polygonum convolvulus</i>) Yellow Rocket (<i>Barbarea vulgaris</i>)	Grasses Foxtail, Green (<i>Setaria viridis</i>) Little Barley (<i>Hordeum pusillum</i>) Smooth Brome (<i>Bromus inermis</i>) Wild Oats (<i>Avena fatua</i>) (<i>Chenopodium album</i>)	Broadleaves Chickweed, Mouseear (<i>Cerastium vulgatum</i>) Dandelion (<i>Taraxacum officinale</i>) Ragweed, Common (<i>Ambrosia artemisiifolia</i>) Grasses Barnyardgrass (<i>Echinochloa crus-galli</i>) Bluegrass (<i>Poa annua</i>) Foxtail Barley (<i>Hordeum jubatum</i>)
Weeds Partially Controlled: At the rate of 2 pts./acre Sharda Metribuzin 4SC may be used to reduce the competition from curly dock (<i>Rumex crispus</i>). At 1 to 2 pts./acre, Sharda Metribuzin 4SC may be used to reduce the competition of German Moss or knawel (<i>Scleranthus annuus</i>).				

ALFALFA AND SAINFOIN (California Only)
(Including Mixed Stands with Grasses)

Sharda Metribuzin 4SC is recommended for use in aerial or ground spray equipment as a broadcast surface application to dormant established crops of alfalfa and sainfoin.

APPLICATION: Sharda Metribuzin 4SC may be used in aerial or ground spray equipment as a broadcast surface application to dormant established crops of alfalfa and sainfoin for control of certain grass and broadleaf weeds. Do not apply Sharda Metribuzin 4SC after growth begins in the spring or before growth ceases in the fall. Do not apply to either alfalfa or sainfoin during the first growing season after seeding.

For information on applying Sharda Metribuzin 4SC in fluid fertilizer solutions to alfalfa, refer to the appropriate section of this label.

For information on commercial impregnation and application of Sharda Metribuzin 4SC on dry bulk fertilizer, refer to the appropriate section of this label.

WEEDS CONTROLLED

3/4 to 1 Pt. Sharda Metribuzin 4SC	1 to 2 Pts. Sharda Metribuzin 4SC/Acre		2 Pts. Sharda Metribuzin 4SC/Acre	
Cheatgrass (downy brome) (<i>Bromus secalinus</i>)	Broadleaves Chickweed, Common (<i>Stellaria media</i>) Fixweed (<i>Descurainia Sophia</i>) Henbit (<i>Lamium amplexicaule</i>) Kochia (<i>Kochiascoparia</i>) Meadow Salsify (<i>Tragopogon pratensis</i>) Mustard, Blue (<i>Chorispora tenella</i>) Mustard, Tansy (<i>Descurainia pinnata</i>) Pepperweed, Virginia (<i>Lepidium virginicum</i>) Shepherd's purse (<i>Capsella bursa-pastoris</i>) White Cockle (<i>Melandrium album</i>) Wild Buckwheat (<i>Polygonum convolvulus</i>) Yellow Rocket (<i>Barbarea vulgaris</i>)	Grasses Smooth Brome (<i>Bromus inermis</i>) Wild Oats (<i>Avena fatua</i>)	Broadleaves Dandelion (<i>Taraxacum officinale</i>)	Grasses Barnyardgrass (<i>Echinochloa crus-galli</i>) Bluegrass (<i>Poa annua</i>) Foxtail Barley (<i>Hordeum jubatum</i>)

BROADCAST APPLICATIONS		
CROP	Sharda Metribuzin 4SC (Pt./Acre)	REMARKS
Alfalfa and Sainfoin (California Only)	3/4 to 2	Select the proper dosage according to weeds known to be present in the field to be treated. Apply specified dosage in 20 to 40 gallons of water per acre with ground spray equipment or 3 to 10 gallons of water per acre with aerial spray equipment fitted with nozzles suitable for broadcast applications of herbicides. Treat only dormant established crops of alfalfa and sainfoin. Injury may occur to alfalfa if Sharda Metribuzin 4SC is applied earlier than 12 months after seeding. Do not apply after Spring growth begins or before growth ceases in the Fall. Do not graze or harvest within 28 days after application. At the 2 pts./acre rate, Sharda Metribuzin 4SC may be used for suppression of curly dock.

FOR USE ON MIXED STANDS OF ALFALFA AND GRASSES: Rates of 1 to 1-1/2 pts. of Sharda Metribuzin 4SC per acre will provide partial reduction of forage grass stands. These rates may be used to reduce forage grass stands to prevent crowding out of alfalfa. Higher rates will severely reduce forage grass stands.

Do not apply with aerial equipment when wind speed is greater than 10 mph. Do not apply when weather conditions favor spray drift and/or when sensitive cool season crops, such as cole crops, onions, peas, or strawberries, are present in adjacent fields. Do not apply when weather conditions favor spray drift, especially in areas where wheat is growing on coarse textured soils in adjacent fields, or injury may occur.

ALFALFA: Sharda Metribuzin 4SC Plus Gramoxone Extra Tank Mix

Colorado, Idaho, Montana, Nevada, Oregon, Utah, Washington, Wyoming, and the following California counties: Del Norte, Lassen, Modoc, Nevada, Plumas, Shasta, Sierra, and Siskiyou.

Application: It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another). Sharda Metribuzin 4SC plus Gramoxone Extra herbicide tank mix application is recommended for use, during the dormant season, in aerial or ground spray equipment as a broadcast surface application to established alfalfa for the control of certain grass and broadleaf weeds. Do not apply Sharda Metribuzin 4SC/Gramoxone Extra tank mix to growth that is more than 2 inches tall. Apply once per season. Do not apply following cuttings during growing season. Use a minimum of 10 gallons of water per acre with aerial spray equipment and a minimum of 20 gallons of water per acre with ground spray equipment. Add a non-ionic spreader at label rates to the spray solution.

Weeds Controlled: Sharda Metribuzin 4SC plus Gramoxone Extra (1-1/2 to 2-1/2 pints/acre) tank mix application will control established weeds. Gramoxone controls weeds by contact activity.

WEEDS CONTROLLED			
1/2 to 3/4 Pt. Sharda Metribuzin 4SC/Acre	3/4 to 1-1/2 Pts. Sharda Metribuzin 4SC/Acre	1 to 1-1/2 Pts. Sharda Metribuzin 4SC/Acre	
Common Chickweed	Bluegrass Cheat Downy brome Field pennycress Henbit Japanese brome Rescuegrass Shepherd's purse	Blue Mustard Common lambsquarters Fixweed Green foxtail Groundsel Jim Hill mustard Kochia Little barley Marestail (Horseweed) Meadow salsify Pepperweed	Prickly lettuce Redroot pigweed Rough fleabane Ryegrass Smooth brome Sow thistle Tansy mustard White cockle Wild oats Wild buckwheat Yellow rocket

APPLICATIONS	
Dosage/Acre	REMARKS
Sharda Metribuzin 4SC 1/2 to 1-1/2 Pts. Plus Gramoxone Extra 1-1/2 to 2-1/2 Pts.	Apply specified dosages of Sharda Metribuzin 4SC and Gramoxone Extra in at least 10 gallons of water per acre with aerial equipment or at least 20 gallons of water per acre with ground equipment. Do not apply this tank mix to alfalfa growth if more than 2 inches tall. For best weed control, apply when broadleaf weeds and grasses are 1 to 6 inches tall and are actively growing. Care should be taken to avoid overlaps. Do not apply more than 1 pt. of Sharda Metribuzin 4SC per acre on loamy sand soils. Reduced weed control may occur when extended dry conditions follow application of Sharda Metribuzin 4SC. Crop injury may occur if alfalfa is under stress conditions such as diseases, insect infestations, drought or winter injury or if Sharda Metribuzin 4SC is applied to alfalfa earlier than 12 months after seeding.

FOR USE ON MIXED STANDS OF ALFALFA AND GRASSES: Rates of 1 to 1-1/2 pts. of Sharda Metribuzin 4SC per acre will provide partial reduction of forage grass stands. These rates may be used to reduce forage grass stands to prevent crowding out of alfalfa.

RESTRICTIONS:

- Pre-harvest Interval (PHI): Do not graze or harvest within 42 days after application.
- In areas west of the Rockies, do not use of Sharda Metribuzin 4SC on soils with calcareous surface, soils with high levels of lime or sodium, and with pH greater than 8.2.
- Do not apply when weather conditions favor spray drift.
- Do not apply by air when wind speed is greater than 10 mph.
- Do not use on sand soil.
- Refer to the Gramoxone Extra label for additional directions, weed species controlled and precautions.

Post-Dormant Application of Sharda Metribuzin 4SC Impregnated on Dry Fertilizer Only

Sharda Metribuzin 4SC may be applied after dormancy has broken, but prior to three inches of new alfalfa shoot growth, only when impregnated on dry fertilizer in Connecticut, Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Nebraska, New Mexico, New York, Ohio, Oklahoma, Pennsylvania, South Dakota, Tennessee, Texas, and Wisconsin.

Apply at rates of 1-1/2 to 2 pts. per acre as directed on this label for application during dormancy. Apply only when alfalfa foliage is dry or crop injury may occur. When using this application method, do not harvest or graze treated alfalfa for 60 days after application.

ASPARAGUS (Established)

Apply Sharda Metribuzin 4SC in ground spray equipment or sprinkler irrigation (center pivot, lateral move, or solid set) systems as a single pre-emergence broadcast application or as a split application consisting of a pre-emergence broadcast application followed by a post-harvest broadcast application.

Refer to the “**Product Information**” section of this label for directions.

Sharda Metribuzin 4SC, applied to established asparagus according to directions, will effectively control the following weeds:

WEEDS CONTROLLED		
BROADLEAVES		GRASSES
Chickweed, Common (<i>Stellaria media</i>) Jimsonweed (<i>Datura stramonium</i>) Lambsquarters (<i>Chenopodium album</i>) Pigweed, Redroot (<i>Amaranthus retroflexus</i>) Ragweed, Common (<i>Ambrosia artemisiifolia</i>) Smartweed, Pennsylvania (<i>Polygonum pennsylvanicum</i>) Sorrel, Red (<i>Rumex acetosella</i>) Velvetleaf (<i>Abutilon theophrasti</i>)		Crabgrass (<i>Digitaria</i> spp.) Foxtails (<i>Setaria</i> spp.) Sandbur, Field (<i>Cenchrus pauciflorus</i>)
BROADCAST APPLICATIONS		
CROP	Sharda Metribuzin 4SC (Pt./Acre)	REMARKS
Asparagus	2 to 4	PRE-EMERGENCE APPLICATION ONLY: Make a single surface application in early Spring before asparagus spears or ferns emerge. If the field is to be disked, apply Sharda Metribuzin 4SC after disking but before the crop emerges. Use the lower rate for control of the broadleaf weeds listed above. Use the higher rate in fields with a history of severe infestations of grasses and for maximum residual control.
Asparagus	1 to 2 pre-emergence plus 2 to 3 post-harvest	SPLIT APPLICATION PRE-EMERGENCE AND POST-HARVEST Pre-emergence Application: Apply before asparagus spears or ferns emerge. If the field is to be disked, apply after disking but prior to crop emergence. Post-Harvest Application: Apply after last harvest of the season but prior to emergence. The lower combination rates may be used for control of common ragweed, lambsquarters, redroot pigweed, and red sorrel. Use the higher combination rates for other weeds listed or in fields with severe grass infestations or for maximum post-harvest control of emerged weeds.
Restrictions:		
<ul style="list-style-type: none"> • IMPORTANT: The total amount of Sharda Metribuzin 4SC applied in one crop season must not exceed 4 pts. per acre. • Pre-harvest Interval (PHI): Do not apply with 14 days of harvest. • Do not use on newly seeded asparagus or on young plants during the first growing season after setting crowns. • DO NOT APPLY POST-HARVEST APPLICATIONS UNTIL AFTER THE LAST HARVEST OF SPEARS. • Aerial application is prohibited. 		

CARROTS

Special Conditions of Sale Provision for Use on Carrots: The following directions for use were developed under the direction of IR-4 (government minor crops use program). As such, the testing was done independently.

Apply Sharda Metribuzin 4SC herbicide with ground equipment as specified below under “**Applications**”. For effective control of broadleaf weeds with post-emergence applications, apply Sharda Metribuzin 4SC before weeds are 1 inch in height or diameter. Thorough spray coverage is essential for adequate weed control.

Do not use air blast or other high pressure spray equipment to make post-emergence applications of Sharda Metribuzin 4SC. Refer to the appropriate section of this label for additional information regarding spray equipment, dilution rates, mixing, sprayer cleanup, restrictions, container disposal and cautions.

Refer to “**Mixing**” under the “**Product Information**” section on the front of this label.
For specific application information see “**Product Information**” and “**Application**” sections at the front of this label. Sharda Metribuzin 4SC applied to carrots according to directions will effectively control the following weeds:

WEEDS CONTROLLED		
Carpetweed (<i>Mollugo verticillata</i>)	Pigweed, Redroot (<i>Amaranthus retroflexus</i>)	
Galinsoga (<i>Galinsoga parviflora</i>)	Pigweed, Smooth (<i>Amaranthus hybridus</i>)	
Horseweed (<i>Conyza canadensis</i>)	Prickly Lettuce (<i>Lactuca serriola</i>)	
Lambsquarters, Common (<i>Chenopodium album</i>)	Shepherd’s purse (<i>Capsella bursa-pastoris</i>)	
Mustard, Wild (<i>Sinapis arvensis</i>)	Pineappleweed (<i>Matricaria matricarioides</i>)	
APPLICATIONS		
CROP	Sharda Metribuzin 4SC (Pt./Acre)	REMARKS
Carrots	1/2	Apply specified dosage per acre as a broadcast spray over the tops of carrot plants. Apply after carrots have formed 5-6 true leaves but before weeds are 1 inch in height or diameter. If needed, a second application may be made after an interval of at least 3 weeks.
<p>Special Precautions: Crop injury or delayed maturity may result from applications of Sharda Metribuzin 4SC if carrots are growing under stress conditions such as periods of drought or cool, wet and cloudy weather preceding application. Following an application of Sharda Metribuzin 4SC, chlorosis (yellowing) and burning of the leaf tissue may occur. For newly introduced varieties of carrots with unknown tolerance to Sharda Metribuzin 4SC, treat only a small area to determine if Sharda Metribuzin 4SC can be used without injury to the crop.</p> <p>Restrictions:</p> <ul style="list-style-type: none"> • IMPORTANT: The total amount of Sharda Metribuzin 4SC applied in one crop season must not exceed 1 pt. per acre. • Pre-harvest Interval (PHI): Applications may be made up to 60 days of harvest. • Do not apply to carrots grown for seed. • Do not apply within 3 days after periods of cool, wet or cloudy weather or crop injury will occur. • Do not apply Sharda Metribuzin 4SC within 3 days of any other chemical unless specified on this label. • Do not apply on very hot days or excessive crop injury will result. • Do not apply until carrots have at least 5-6 true leaves. Earlier applications will result in excessive crop damage. 		

FIELD CORN

POST-EMERGENCE APPLICATION

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another). Sharda Metribuzin 4SC is recommended for control of selected broadleaf weeds when applied as a tank mix combination with certain broadleaf herbicides presently registered and recommended for post-emergence use in field corn.

Herbicides which may be tank mixed with Sharda Metribuzin 4SC include:

2,4-D	Buctril + atrazine (Premix)	Resource
Atrazine	Clarity	Scorpion III
Banvel	Laddok S-12	Tough
Basagran	Marksman	
Buctril/Buctril Gel	Pursuit*	

*Use only on Pursuit resistant/tolerant corn hybrids (IMI-corn).

APPLICATION: Sharda Metribuzin 4SC may be applied to field corn after crop emergence until just prior to tasseling. Broadcast applications may be made with ground or aerial equipment. For optimum weed control, apply treatments when weeds are small and actively growing, but before reaching the maximum heights listed in the Weeds Controlled table.

POST-EMERGENCE BROADCAST APPLICATION

Ground Application: Adjust nozzle height above crop and weed canopy to ensure uniform spray coverage. Gallonage should be increased with increasing weed size and population density.

For tank mixes of Sharda Metribuzin 4SC plus atrazine, Basagran, Laddok S-12, Buctril, Buctril + atrazine, Pursuit, Resource, Tough, or 2,4-D amine formulations, use flat nozzles spaced a maximum of 20 inches apart. Best results are achieved using a minimum of spray volume of 10 gallons per acre and spray pressure from 20 to 24 psi.

For Sharda Metribuzin 4SC tank mixes with Banvel, Clarity, Marksman, or 2,4-D low volatile ester formulations, use drift-reducing nozzles which are specifically designed to produce coarse sprays and reduce the amount of driftable fines. Additional measures which will help avoid potential drift to sensitive crops and plants include using a minimum spray volume of 20 gallons per acre and keeping spray pressures at or below 20 psi unless otherwise specified by the nozzle manufacturer.

For further precautions and additional instructions and recommendations, consult the tank mix partner's label.

Aerial Application: Apply in a minimum spray volume of 3 gallons per acre. For optimum spray coverage and distribution, use a minimum of 5 gallons per acre and a maximum pressure of 40 psi. Use a boom and nozzle configuration which will provide a uniform deposition pattern and coverage with low drift potential. Avoid overlaps to prevent potential crop injury. Do not apply near sensitive crops or sensitive plants growing near the treated area. Do not apply when wind speed is greater than 10 mph or when winds are moving toward sensitive crops or plants. To avoid drift hazards, applicator must follow the most restrictive labeling of the products used in a tank mix. Refer to the appropriate tank mix partner's label for further precautions and recommendations.

POST-DIRECTED APPLICATION

Sharda Metribuzin 4SC in tank mix combinations with Banvel, 2,4-D, Buctril or Scorpion III may be applied post-directed to field corn. Use drop nozzles and appropriate spacing to direct spray below the corn whorl and upper leaves. The top of the target weed canopy must be sufficiently below the whorl and upper leaves of the crop to permit this application and provide adequate spray coverage. The height differential required between the crop and weed canopy will depend on the specific equipment used. Apply before tassel emergence. For further precautions and additional recommendations, refer to the appropriate tank mix partner's label.

ADJUVANTS

The adjuvant types listed below may be utilized with certain Sharda Metribuzin 4SC tank mix combinations. Consult the tank mix recommendations section for the appropriate adjuvant and rate. Use of non-recommended adjuvant or rates may result in severe leaf burn, crop stunting, and/or stand reduction. Use only adjuvants which are exempt from tolerance requirements under 40 CFR 180.1001.

UAN (urea ammonium nitrate) is commonly referred to as 28, 30, or 32% N.

Ammonium sulfate (spray grade) may be used as an alternative to UAN with certain tank mix combinations.

Non-ionic surfactants should contain at least 80% active ingredient.

DO NOT USE crop oil concentrate (COC) or any adjuvant containing vegetable or petroleum oils with any Sharda Metribuzin 4SC tank mixtures as severe leaf burn, crop stunting, and/or stand reduction may occur.

RAINFASTNESS

Sharda Metribuzin 4SC will not reduce rainfastness of the recommended tank mix partners. Refer to the individual product labels for rainfastness recommendations.

SPRAYER CLEANUP

Refer to each tank mix partner's label and the Sprayer Cleanup section of the Sharda Metribuzin 4SC label for specific instructions on cleaning spray equipment. Special attention should be given to the required cleanup procedures for 2,4-D, Banvel, Clarity, and Marksman.

RESTRICTIONS:

- Do not use on corn grown for seed, sweet corn, popcorn, or white corn.
- Do not apply more than 0.25 pound a.i. METRIBUZIN (5-1/3 ounces Sharda Metribuzin 4SC) per acre per use season.
- Do not apply when field corn is under stress (see Stress statement below).
- Do not use aerial applications if sensitive crops or plants are growing in the vicinity of the area to be treated.
- Do not allow spray drift onto sensitive crops or plants.
- Do not use on sand, loamy sand or sandy loam soils that have less than 0.5% organic matter.
- Do not use on sand or loamy sand soils in Washington, Oregon or Idaho or crop injury may occur.
- Observe all precautions and limitations on labeling of all products used in the tank mixtures.

Stress is any condition or combination of conditions which impairs normal crop growth. Weather, disease, insect damage, fertility or other factors may cause stress. Applications made before or after the corn is under stress from these factors or from periods of prolonged cool, wet and cloudy weather or widely fluctuating day and nighttime temperatures, may result in temporary leaf burn, yellowing and/or stunting of the crop. Recovery from damage is generally rapid with no lasting effects on new growth. Under extreme stress, stand reductions may occur.

Feeding Restrictions:

- Pre-harvest Interval (PHI): Field corn treated with Sharda Metribuzin 4SC may be grazed or harvested for silage or grain 60 days after treatment.
- Follow the most restrictive preharvest interval on the labels of the products used in the tank mixtures.

TANK MIX COMBINATIONS

The Sharda Metribuzin 4SC tank mixtures listed below can be utilized for control of certain annual broadleaf weeds.

SHARDA METRIBUZIN 4SC POST-EMERGENCE BROADCAST APPLICATIONS		
PRODUCT	RATE	DIRECTIONS AND REMARKS*
Sharda Metribuzin 4SC + 2,4-D Amine or 2,4-D LVE	3 fl. oz./A + 1/2 to 1 pt./A ¹ or 1/3 to 1/2 pt./A ¹	Apply as a broadcast spray during the interval from corn emergence until corn is 8 inches tall. Apply only to varieties known to be tolerant to 2,4-D. DO NOT USE ADJUVANTS. 2,4-D may cause injury to nearby sensitive crops. 2,4-D applications may result in brittle corn stalks, and winds or cultivation may cause stalk breakage. To reduce damage, delay cultivation 8 to 10 days after application.
Sharda Metribuzin 4SC + Atrazine	3 fl. oz./A + 1/2 to 1-1/2 lbs. a.i./A	Apply as a broadcast spray during the interval from corn emergence until corn is 12 inches tall. A non-ionic surfactant (1 qt./100 gals. of spray solution) may be added to improve weed control. Atrazine is a restricted use herbicide. Follow all state and federal label recommendations and restrictions pertaining to atrazine applications.
Sharda Metribuzin 4SC +	3 fl. oz./A +	Apply as a broadcast spray during the interval from corn emergence through the 5-leaf stage or when corn is 8 inches

Banvel or Clarity	1/2 to 1 pt./A or 1/2 to 1 pt./A	tall, whichever occurs first. For Banvel applications to corn greater than 8 inches in height, consult the Banvel label for use rates and restrictions. If growing conditions are dry and plants are stressed, addition of a non-ionic surfactant (1 qt./100 gals. of spray solution) may improve weed control. For corn growth on coarse textured soils, apply Banvel or Clarity at 0.5 pt./A, regardless of application method. Application may cause injury to nearby sensitive crops or plants. Application may result in temporary leaning of corn plants. Delay cultivation until plants return to normal growth patterns to avoid stalk breakage.
Sharda Metribuzin 4SC + Basagran	3 fl. oz./A + 1 pt./A	Apply as a broadcast spray after corn emergence but before corn exceeds 30 inches in height and the crop canopy closes the row. Adjuvants such as UAN (0.5 to 1 gal./A), ammonium sulfate (17 lbs./100 gals. of spray solution), or non-ionic surfactant (1 qt./100 gals. of spray solution) may improve weed control.
Sharda Metribuzin 4SC + Buctril or Buctril Gel	2.4 to 3 fl. oz./A + 1 pt./A or 1/2 pt./A	Apply as a broadcast spray when corn is in the fourth true leaf stage or later but before the crop canopy closes the row. DO NOT USE ADJUVANTS. Occasional temporary corn leaf burn may occur and is similar to that observed from liquid fertilizers. Recovery is generally rapid with no lasting effect. To reduce potential for crop damage, application should be made to dry corn foliage when weather conditions are not extreme.
Sharda Metribuzin 4SC + Buctril + Atrazine (Premix)	2.4 to 3 fl. oz./A + 1-1/2 to 2 pts./A	Apply as a broadcast spray during the interval from corn emergence until corn is 12 inches tall. DO NOT USE ADJUVANTS. Occasional temporary corn leaf burn may occur and is similar to that observed from liquid fertilizers. Recovery is generally rapid with no lasting effect. To reduce potential for crop damage, application should be made to dry corn foliage when weather conditions are not extreme.
Sharda Metribuzin 4SC + Laddok S-12	3 fl. oz./A + 1.33 to 1.66 pts./A	Apply as a broadcast spray after corn emergence until the corn is 12 inches tall. Adjuvants such as UAN (0.5 to 1 gal./A) may increase weed control. Laddok S-12 contains atrazine, and is a restricted use product. Follow all state and federal label recommendations and restrictions pertaining to atrazine.
Sharda Metribuzin 4SC + Marksman	3 fl. oz./A + 1-1/2 to 2 pts./A	Apply as a broadcast spray during the interval from corn emergence through the 5-leaf stage or when crop is 8 inches tall, whichever occurs first. DO NOT USE ADJUVANTS. Application may cause injury to nearby sensitive crops or plants. Application may result in temporary leaning of corn plants. Delay cultivation until plants return to normal growth patterns to avoid stalk breakage. Marksman contains atrazine, and is a restricted use product. Follow all state and federal label recommendations and restrictions pertaining to atrazine.
Sharda Metribuzin 4SC + Pursuit	3 fl. oz./A + 2 to 4 oz./A	Use only on designated IMI-Corn hybrids (hybrids which are resistant/tolerant to Pursuit). Apply the 4.0 ounce rate of Pursuit if grasses are present or broadleaf weeds are near the maximum heights shown. Apply in combination with a non-ionic surfactant (1 qt./100 gals. of spray solution) and UAN (1 to 2 qts./A).
Sharda Metribuzin 4SC + Resource	3 fl. oz./A + 4 to 6 oz./A	Apply as a broadcast spray to field corn from 2-leaf through 10-leaf (visible leaf collars) stage. Adjuvants such as non-ionic surfactant (0.25% v/v) or aluminum sulfate (2.5 lbs./A) may increase weed control.
Sharda Metribuzin 4SC + Tough	3 fl. oz./A + 1 to 2 pts./A	Apply as a broadcast spray after corn emergence but before corn height exceeds 30 inches and the crop canopy closes the row. A non-ionic surfactant (1 qt./100 gals. of spray solution) may be added to improve weed control. Use the higher rates of Tough as weeds approach to maximum height listed or are found in high density. Tough may improve control on triazine/ALS resistant weeds.

*Consult the appropriate tank mix partner's label for additional recommendations or restrictions. The most restrictive labeling applies to tank mixes with Sharda Metribuzin 4SC.

¹Application rate is based on, but not restricted to, 4 pounds active ingredient per gallon of 2,4-D.

SHARDA METRIBUZIN 4SC POST-DIRECTED APPLICATIONS

PRODUCT	RATE	DIRECTIONS AND REMARKS*
Sharda Metribuzin 4SC + 2,4-D Amine or 2,4-D LVE	3 to 4.5 fl. oz./A + 3/4 to 1-1/2 pts./A ¹ or 1/2 to 3/4 pt./A ¹	For corn greater than 8 inches tall, apply as a directed spray with drop nozzles before tassel emergence. Apply only to varieties known to be tolerant to 2,4-D. DO NOT USE ADJUVANTS. 2,4-D may cause injury to nearby sensitive crops. 2,4-D applications may result in brittle corn stalks, and winds or cultivation may cause stalk breakage. To reduce damage, delay cultivation 8 to 10 days after application.
Sharda Metribuzin 4SC + Banvel	3 to 4.5 fl. oz./A + 1/2 pt./A	For corn 8 to 36 inches tall, apply as a directed spray with drop nozzles. Application may be made up to 15 days prior to corn tasseling. If growing conditions are dry and plants are stressed, addition of a non-ionic surfactant (1 qt./100 gals. of spray solution) may improve weed control. For corn grown on coarse textured soils, apply Banvel at 0.5 pt./acre, regardless of application method. Application may cause injury to nearby sensitive crops or plants. Application may result in temporary leaning of corn plants. Delay cultivation until plants return to normal growth patterns to avoid stalk breakage.
Sharda Metribuzin 4SC + Buctril or Buctril Gel	3 to 4.5 fl. oz./A + 1 to 1-1/2 pts./A or 1/2 to 3/4 pt./A	Apply as a directed spray with drop nozzles before tassel emergence. DO NOT USE ADJUVANTS. Occasional temporary corn leaf burn may occur and is similar to that observed from liquid fertilizers. Recovery is generally rapid with no lasting effect. To reduce potential for crop damage, application should be made to dry corn foliage when weather conditions are not extreme.
Sharda Metribuzin 4SC + Scorpion III	3 to 4.5 fl. oz./A + 4 oz./A	For corn 8 to 24 inches tall, apply as a directed spray with drop nozzles. Include non-ionic surfactant (1 qt./100 gals.) plus UAN (2.5 gals./100 gals.) for optimum weed control.

*Consult the appropriate tank mix partner's label for additional recommendations or restrictions. The most restrictive labeling applies to tank mixes with Sharda Metribuzin 4SC.

¹Application rate is based on, but not restricted to, 4 pounds active ingredient per gallon of 2,4-D.

WEEDS CONTROLLED – POST-EMERGENCE BROADCAST APPLICATION										
These tank mixtures with Sharda Metribuzin 4SC will control the following annual weeds up to the maximum heights listed:										
COMMON WEED NAME	Sharda Metribuzin 4SC +									
	Atrazine	Banvel / Clarity	Basagran	Buctril/ Buctril + Atrazine	2,4-D	Marksman	Pursuit	Laddok S-12	Resource	Tough
	MAXIMUM WEED HEIGHT IN INCHES*									
Amaranth, Palmer	4 ^a	4	2 ^a	4 ^a	4	4	8 ^b	6	4	4
Buckwheat, wild	3	3	3	3	2	3	2	3	4	-
Buffalobur	4	4	-	4	-	4	1	-	-	-
Burcucumber	-	4	-	4	2	4	-	-	-	4
Carpetweed	2	2	2	2	2	2	-	2	3	4
Cocklebur, common	8	8	8	8	8	8	8 ^b	8	3	6
Eclipta	3	3	3	3	3	3	-	3	-	3
Henbit	3	3	2	2	2	4	3	3	-	4
Horseweed/marestail	3	4	1	1	3	6	-	2	3	-
Jimsonweed	5	5	6	5	5	5	5	6	3	5
Knotweed	6	6	6	4	2	6	4	6	-	4
Kochia	2 ^a	2	1 ^a	2 ^a	2 ^a	2	2	2 ^a	-	4
Ladysthumb	6	6	6	6	4	6	4	6	4	6
Lambsquarters, common	6 ^a	6	1	6	6	6	4	5	4	4
Lettuce, prickly	4	4	-	3	4	5	-	3	-	-
Mallow, Venice	2	2	2	2	2	2	2	4	-	-
Morningglory, entire leaf	3	3	1	3	3	3	2	2	-	-
Morningglory, ivyleaf	3	3	1	3	3	3	2	2	-	-
Morningglory, pitted	3	3	1	3	3	3	2	2	-	-
Morningglory, tall	3	3	1	3	3	3	2	2	-	-
Mustard, tansy	4	4	4	4	4	4	4	4	-	-
Mustard, wild	4	4	4	4	4	4	4	4	-	4
Nightshade, black	6	6	-	6	1	6	3	1	-	4
Nightshade, eastern black	6	6	-	6	1	6	3	1	-	4
Pigweed, redroot	6 ^a	6	2 ^a	6 ^a	6	6	8 ^b	6 ^a	4	6

Pigweed, smooth	6 ^a	6	2 ^a	6 ^a	6	6	8 ^b	6 ^a	4	6
Poorjoe	3	3	3	3	3	3	3	3	-	-
Purslane, common	1	3	-	-	-	4	1	-	-	3
Pusley, Florida	3	3	3	3	3	3	-	3	3	-
Ragweed, common	5	5	3	5	5	6	3	4	3	-
Ragweed, giant	4	5	2	4	3	6	4	4	-	-
Sicklepod	3	3	3	3	3	3	3	3		2
Sida, prickly	1	1	3	1	1	2	1	2	2	1
Smartweed, Pennsylvania	6	6	6	6	4	6	4	6	4	-
Sunflower, common	6	6	6	6	6	6	5	6	-	5
Thistle, Russian	1	3	-	3	1	3	1	1	-	3
Velvetleaf	6 ^a	6	6	6	4	6	5	6	6	-
Waterhemp, spp.	5 ^a	5	2 ^a	5 ^a	5	5	4 ^b	2 ^a	4	5

*When weeds are approaching the maximum height listed or found in high densities, use the higher rate of Sharda Metribuzin 4SC and the selected tank mix partners.

^aThese treatments will not control triazine resistant biotypes.

^bThese treatments will not control ALS resistant biotypes.

WEEDS CONTROLLED – POST-DIRECTED APPLICATION

These tank mixtures with Sharda Metribuzin 4SC will control the following annual weeds up to the maximum weed heights listed:

COMMON WEED NAME	Sharda Metribuzin 4SC +			
	2,4-D	Banvel	Buctril	Scorpion III
	MAXIMUM WEED HEIGHT IN INCHES*			
Amaranth, Palmer	12	12	6	8
Cocklebur, common	12	12	12	15
Jimsonweed	12	10	10	8
Ladysthumb	6	8	6	6
Lambsquarters, common	12	12	10	12
Morningglory, entire leaf	18	18	6	12
Morningglory, ivyleaf	18	18	6	12
Morningglory, pitted	18	18	6	12
Morningglory, tall	18	18	6	12
Nightshade, black	10	8	8	6
Nightshade, eastern black	10	8	8	6
Pigweed, redroot	12	12	6	8
Pigweed, smooth	12	12	6	8
Ragweed, common	8	8	8	10
Ragweed, giant	12	12	8	15
Smartweed, Pennsylvania	6	8	6	6
Sunflower, common	12	12	12	12
Velvetleaf	10	8	8	8
Waterhemp, tall	12	12	6	8

*When weeds are approaching the maximum height listed or found in high densities, use the higher rate of Sharda Metribuzin 4SC and the selected tank mix partners.

PERENNIAL WEED SUPPRESSION

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

The following Sharda Metribuzin 4SC tank mixtures will provide top growth burndown and in season suppression of the following perennial weeds; however, regrowth may occur. For the best performance on these weeds, use the maximum rates of Sharda Metribuzin 4SC, Banvel, Buctril, Buctril + atrazine, Clarity, Marksman, 2,4-D LVE, or Pursuit recommended for these tank mixtures.

COMMON WEED NAME	Sharda Metribuzin 4SC +				
	Banvel/Clarity	Buctril/Buctril + atrazine	2,4-D LVE	Marksman	Pursuit
Bindweed, field	x		x	x	
Dandelion, common	x		x	x	
Dock, curly	x		x	x	
Smartweed, swamp	x		x	x	
Thistle, Canada	x	x	x	x	x

FIELD CORN: PRE-PLANT AND PRE-EMERGENCE

(Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Nebraska, Ohio, South Dakota, and Wisconsin)

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another). Sharda Metribuzin 4SC is recommended for additional residual control of certain broadleaf weed species in corn when applied as a tank mix combination with both grass and broadleaf herbicides registered and recommended for use in field corn. Sharda Metribuzin 4SC can be tank mixed with recommended rates of the following herbicides:

Alachlor	Broadstrike Plus	Guardsman	Lorox	Ramrod
Atrazine	Bullet	Harness	Marksman	Ramrod/Atrazine
Banvel	Clarity	Harness Extra	Pentagon	Simazine
Bicep	Cycle	Lariat	Prowl	Surpass
Bicep II	Dual	Linex	Pursuit Plus*	Surpass 100
Bicep Lite	Dual II	Linuron	Pursuit*	Topnotch
Broadstrike + Dual	Frontier			

* Use only on Pursuit resistant/tolerant corn hybrids (IMI corn).

Application: Sharda Metribuzin 4SC may be applied to field corn pre-plant without incorporation up to 30 days prior to planting or pre-emergence. Applications may be made by either ground or aerial equipment. For tank mixes, follow the most restrictive application methods of all products used.

Special Precautions:

- Plant corn seed at a minimum of 1-1/2 inches deep.
- Sharda Metribuzin 4SC may only be used in hybrid seed corn production fields if both inbred parents are known to be tolerant to Sharda Metribuzin 4SC.
- Not recommended for use on muck soils as reduced weed control may result.
- Observe all precautions and limitations on labeling of all products used in tank mixes.

Restrictions:

- Do not apply more than 8 ounces Sharda Metribuzin 4SC (0.25 pound active ingredient) per acre per growing season.
- Do not apply on soils having pH 7.0 or greater.

Feeding Restrictions:

- Pre-harvest Interval (PHI): Corn treated with Sharda Metribuzin 4SC may be harvested for silage or grain 60 days after treatment.
- For tank mixes, follow the most restrictive pre-harvest interval of all products used.

WEEDS CONTROLLED*: Sharda Metribuzin 4SC will aid in the residual pre-emergence control of the following weed species when tank mixed with other registered grass and/or broadleaf corn herbicides:

Horseweed/marestail	Pigweed, spp.	Sunflower		
Ladysthumb	Ragweed, common	Velvetleaf		
Lambsquarters, common	Smartweed, Pennsylvania	Waterhemp, tall		
*For control of emerged weeds refer to the "Burndown Weed Control" section of the Sharda Metribuzin 4SC label.				
SHARDA METRIBUZIN 4SC FIELD CORN RATES				
STATES	APPLICATION TIMING	SHARDA METRIBUZIN 4SC FL. OZ./ACRE	REMARKS	
Iowa Kansas Missouri	Nebraska South Dakota	Pre-plant 0 to 30 days Pre-emergence	3 to 8	Apply as a broadcast spray prior to corn emergence from the soil. Do not apply Sharda Metribuzin 4SC on coarse textured soils with less than 1.5% organic matter.
Illinois Indiana Kentucky Michigan	Minnesota Ohio Wisconsin	Pre-plant 10 to 30 days Pre-plant 0 to 9 days Pre-emergence		
Consult the label of herbicide tank mix partners to determine proper use rates for the other product(s).				

BURNDOWN WEED CONTROL – FIELD CORN

(Refer to the "FIELD CORN AND SOYBEANS: BURNDOWN WEED CONTROL" section)

GARBANZO BEANS (Chickpeas)

(California, Idaho, Oregon, and Washington)

Special Conditions of Sale for Use on Garbanzo Beans (Chickpeas): The following directions for use were developed under the direction of IR-4 (government minor crops use program). As such, the testing was done independently. Sharda Metribuzin 4SC herbicide is recommended as a pre-emergence application for the suppression of certain broadleaf weeds in garbanzo beans.

WEEDS SUPPRESSED*			
Common Chickweed	Field Pennycress	Common Lambsquarters	Wild Mustard
Dog Fennel (Mayweed)	Henbit	Shepherd's purse	Pigweed
*Suppression is a reduction in weed size and growth compared to a non-treated area in the same field. Sharda Metribuzin 4SC used alone will not control triazine-resistant weed species.			
APPLICATIONS			
Sharda Metribuzin 4SC (Pt./Acre)	REMARKS		
1/2 to 3/4	<p>Applied specified dosage in a single pre-emergence application using 10 to 40 gallons of water per acre with ground spray equipment. Apply before or after planting but before crop emergence. Thorough incorporation, either by rainfall or by mechanical means, is essential for weed suppression. Under dry conditions, incorporate Sharda Metribuzin 4SC into the top 1 to 2 inches of soil with spike harrows, or similar shallow incorporation equipment, then cross harrow to insure uniform soil incorporation. Where soil surface is moist at the time of application and rain follows before weed emergence, a broadcast application should provide adequate weed suppression.</p> <p>Use on coarse-textured soils, sandy soils or any soil with less than 1.5% organic matter will likely cause crop injury.</p> <p>Use the higher rate on fine textured soils (high in clay or organic matter) and in field with a history of high weed populations.</p>		
<p>Special Precautions: Crop injury may result if crop is under stress conditions caused by cold weather, poor soil fertility, disease or insect damage. Crop injury may result if application is followed by heavy rain. Avoid application of more than 1/2 inch of irrigation within one month after application of Sharda Metribuzin 4SC, or crop injury may occur. Maintain continuous spray tank agitation to keep material in suspension. Avoid overlapping of spray swaths and shut off spray booms while turning, slowing or stopping, or crop injury will occur.</p>			
<p>Restrictions:</p> <ul style="list-style-type: none"> Do not use on clay knobs or poorly covered subsoils. 			

- Do not apply pre-emergence on shallow seedlings less than 2 inches deep.
- Do not graze or feed treated vines to livestock within 40 days after application.

NOTE: This treatment may cause some chlorosis or minor necrosis. Because garbanzo bean varieties may vary in their susceptibility to Sharda Metribuzin 4SC, determine crop tolerance prior to adoption as a field scale practice to prevent possible injury.

LENTILS AND PEAS

(Idaho, Oregon, Washington, Montana, and North Dakota)

Sharda Metribuzin 4SC herbicide is recommended as a pre-emergence and post-emergence application for the suppression of certain broadleaf weeds in lentils and peas.

WEEDS SUPPRESSED*

Common Chickweed**	Henbit**	Lambsquarters	Corn Spurry
Dog Fennel	Redroot Pigweed	Shepherd's purse**	Pennsylvania Smartweed
Field Pennycress	Pineapple Weed	Wild Mustard	Prostrate Knotweed

*Suppression is a reduction in weed size and growth compared to a non-treated area in the same field.

**Pre-emergence application only.

PRE-EMERGENCE APPLICATION: Make a single pre-emergence application of Sharda Metribuzin 4SC at 3/8 to 3/4 pint per acre per crop year. Apply in 10 or more gallons of water per acre with ground spray equipment or 5 or more gallons of water per acre with aerial spray equipment. Apply Sharda Metribuzin 4SC before or after planting. Thorough incorporation, either by rainfall or by mechanical means, is essential for weed suppression. Under dry conditions, incorporate Sharda Metribuzin 4SC into the top 1 to 2 inches of soil with spike harrows, or similar shallow incorporation equipment, then cross harrow to ensure uniform soil incorporation. Where soil surface is moist at the time of application and rain follows before weed emergence, a broadcast application should provide adequate weed suppression.

Use the higher rate on fine-textured soils (high in clay or organic matter) and in fields with a history of high weed populations. Sharda Metribuzin 4SC may be applied pre or post-plant incorporated as a tank mix combination with FARGO 4EC. Follow the “**Directions for Use**” statements on both product labels.

POST-EMERGENCE APPLICATION: One post-emergence application may be made per season. Use 1/4 to 1/2 pint of Sharda Metribuzin 4SC per acre on lentils and spring peas. On winter peas, use 3/8 to 1/2 pint of Sharda Metribuzin 4SC per acre. For suppression of dog fennel, use 1/2 pint Sharda Metribuzin 4SC per acre. Apply specified dosage in 20 or more gallons of water per acre with ground spray equipment or 5 or more gallons of water per acre with aerial spray equipment. Do not exceed 40 psi with ground spray equipment. Apply as broadcast spray when weeds are small (less than 2 inches in height or diameter) and before crop is 6 inches tall.

Temporary chlorosis of the crop may occur. There is an added risk of crop injury if a post-emergence application is made following a previous post-emergence or post-plant incorporated Sharda Metribuzin 4SC application.

SPECIAL PRECAUTIONS (All Applications):

- Crop injury may result if crop is under stress conditions caused by cold weather, low fertility, disease or insect damage.
- Crop injury may also result if application is followed by heavy rain.
- Maintain continuous spray tank agitation to keep material in suspension. Avoid overlapping and shut off spray booms while turning, slowing or stopping, or crop injury will occur.

RESTRICTIONS:

- Do not apply more than 1 pint of Sharda Metribuzin 4SC per acre per year.
- Do not use on coarse-textured soils, sandy soils, or soils with less than 1.5% organic matter.
- Do not apply to “Estin” lentils.
- Do not use on clay knobs or poorly covered subsoils.
- Do not apply on shallow seedlings less than 2 inches deep (pre-emergence only).
- Pre-harvest Intervals (PHI): Do not apply within 50 days of harvest of peas, or within 75 days of harvest of lentils.
- Do not graze or feed treated vines to livestock within 40 days after application.
- Do not apply over very moist soils or wet crop foliage. Do not apply post-emergence within 3 days after periods of cool, wet, or cloudy weather or crop injury may occur.
- Do not apply within 24 hours of treatment with other pesticides.

NOTE: This treatment may cause some chlorosis or minor necrosis. Because lentil and pea varieties may vary in their susceptibility to Sharda Metribuzin 4SC, determining crop tolerance prior to adoption as a field scale practice is suggested to prevent possible injury. For additional precautions, restrictions, limitations, and sprayer clean-up information refer to the appropriate sections of this label.

SUGARCANE Special Instructions

For aerial and chemigation application methods on sugarcane the maximum application rate is 4 pts. Sharda Metribuzin 4SC per acre. To assure that spray will not adversely affect adjacent sensitive nontarget plants, apply this product by aircraft at a minimum upwind distance of 400 ft. from sensitive plants. Do not rotate any crop not listed on this label for 18 months following application.

SUGARCANE (Hawaii Only)

Sharda Metribuzin 4SC, a selective herbicide, is effective as a pre-emergence and an early post-emergence broadcast application for control of certain grass and broadleaf weeds. When applied as a spot treatment, it also provides excellent control of perennial grasses and broadleaves.

Ground Application: Mix Sharda Metribuzin 4SC should be mixed by filling the spray tank half full of clean water. Then add the specified amount of Sharda Metribuzin 4SC to suit the total tank capacity and the rate of application per acre (preferably 25 to 35 gallons per acre). Complete filling the tank and maintain sufficient agitation during mixing and spraying to ensure a uniform spray mixture.

Aerial Application: Apply Sharda Metribuzin 4SC in aerial spray equipment as a pre-emergence or post-emergence application to irrigated sugarcane. Aerial spray equipment should be calibrated to apply the proper amount of Sharda Metribuzin 4SC in 7 to 10 gallons of spray mixture per acre. Sharda Metribuzin 4SC applied pre-emergence or post-emergence to the sugarcane as a broadcast spray or spot treatment will effectively control the following when weeds are less than 3 inches in height.

WEEDS CONTROLLED IN IRRIGATED AND NON-IRRIGATED SUGARCANE	
BROADLEAVES	GRASSES
Amaranth, Spiny (<i>Amaranthus spinosus</i>) Euphorbia, Wild (<i>Euphorbia</i> spp.) Fireweed (<i>Erechtites hieraciifolius</i>) Floras Paintbrush (<i>Emilia sonchifolia</i>) Spurge, Garden (<i>Euphorbia hirta</i>) Spurge, Graceful (<i>Euphorbia glomerifera</i>)	Crabgrass (<i>Digitaria</i> spp.) Guineagrass (<i>Panicum maximum</i>) Plushgrass (<i>Chloris radiata</i>) Ricegrass (<i>Oryzopsis hymenoides</i>) Wiregrass (<i>Eleusine indica</i>)
WEEDS CONTROLLED IN IRRIGATED SUGARCANE ONLY	
BROADLEAVES	GRASSES
Amaranth, Spleen (<i>Amaranthus dubius</i>) Haole Koa (<i>Leucaena leucocephala</i>) Hialoa (<i>Waltheria americana</i>) Hilahila (<i>Mimosa pudica</i>) Purslane, Common (<i>Portulaca oleracea</i>) Rattlepod (<i>Crotalaria spectabilis</i>)	Alexandergrass (<i>Brachiaria plantaginea</i>) Bristly Foxtail (<i>Setaria verticillata</i>)
WEEDS CONTROLLED IN NON-IRRIGATED SUGARCANE ONLY	
BROADLEAVES	
Ageratum (<i>Ageratum conyzoides</i>) Richardia (<i>Richardia brasiliensis</i>) Tarweed (<i>Cuphea carthagenensis</i>)	
BROADCAST APPLICATIONS – SUGARCANE – HAWAII ONLY	
Sharda Metribuzin 4SC (Pt./Acre)	REMARKS
4 to 8 (1/2 to 1 gal.) (non-irrigated)	PRE-EMERGENCE (irrigated and non-irrigated sugarcane): Apply specified dosage per acre as a broadcast spray to the soil surface. Make applications within two weeks after planting prior to cane emergence or shortly after emergence (spike stage). OR
8 to 12 (1 to 1-1/2 gals.) (irrigated)	EARLY POST-EMERGENCE (Irrigated and non-irrigated sugarcane): Apply specified dosage per acre as a broadcast spray over the cane. Application may be delayed as long as 4 to 6 weeks after planting provided weeds are less than 3 inches in height.
4 to 8 (1/2 to 1 gal.)	OR POST-EMERGENCE: Apply specified dosage per acre as a broadcast spray to control weeds prior

	to "close in" time when cane shades out the weed growth.
5 to 10 (1-1/8 to 1-1/4 gals.)	SPOT TREATMENT: Apply specified dosage in 30 to 50 gallons of finished spray per acre. Spot treatments may be used to control weeds in missed areas, corners of fields, or areas of hard to control weeds.
Restrictions:	
<ul style="list-style-type: none"> Do not apply more than 16 pts. (2 gals.) of Sharda Metribuzin 4SC (8 lbs. active ingredient) per acre per crop cycle regardless of the method of application. Pre-harvest Interval (PHI): The last application may be made within up to 17 months of harvest. Do not use treated foliage for feed or forage. 	

SUGARCANE

(Louisiana and Texas Only)

Pre-emergence and post-emergence applications of Sharda Metribuzin 4SC with aerial or ground spray equipment are recommended for control of the following weeds in sugarcane in Louisiana and Texas.

BROADLEAVES	GRASSES
Amaranth, Spiny (<i>Amaranthus spinosus</i>) Bindweed, Field (<i>Convolvulus arvensis</i>) Chickweed (<i>Cerastium vulgatum</i>) Henbit (<i>Lamium amplexicaule</i>) Lambsquarters (<i>Chenopodium album</i>) London Rocket (<i>Sisymbrium irio</i>) Marestail (<i>Conyza canadensis</i>) Mustard, Wild (<i>Brassica kaber</i>) Pigweeds (<i>Amaranthus</i> spp.) Purslane (<i>Portulaca oleracea</i>) Sowthistle (<i>Sonchus</i> spp.)	Broadleaf Signalgrass (<i>Brachiaria platyphylla</i>) Crabgrass (<i>Digitaria</i> spp.) Foxtails (<i>Setaria</i> spp.) Johnsongrass, Seedling (<i>Sorghum halepense</i>) Oats, Winter (<i>Avena</i> spp.)
APPLICATIONS – SUGARCANE – LOUISIANA AND TEXAS ONLY	
Sharda Metribuzin 4SC (Pt./Acre)	REMARKS
3 to 6	BROADCAST: Apply specified dosage per acre using 20 to 30 gallons of water with ground equipment or 5 gallons of water with aircraft equipment. Apply as a broadcast spray during the Fall after planting or to the stubble after harvest. Make a second application early in the Spring.
1-1/2 to 3	BAND: Apply specified dosage in 10 to 20 gallons of water per acre in a 30- to 36-inch band over the row during the Fall after planting or to the stubble after harvest. Made a second application early in the Spring.
Special Precautions (Louisiana and Texas Only): Use the higher rate on heavy clay soil and soil with a high percentage of organic matter. If necessary, a third application may be made in late Spring at layby.	
Restrictions:	
<ul style="list-style-type: none"> Do not use treated foliage for feed or forage. Pre-harvest Interval (PHI): Do not apply within 60 days of harvest. For aerial and chemigation application methods on sugarcane the maximum application rate is 4 pts. Sharda Metribuzin 4SC per acre. To assure that spray will not adversely affect adjacent sensitive nontarget plants, apply this product by aircraft at a minimum upwind distance of 400 ft. from sensitive plants. 	

SUGARCANE

(Florida Only)

Post-emergence over-the-top or directed spray applications of Sharda Metribuzin 4SC are recommended for the control of the following weeds in sugarcane in Florida.

BROADLEAVES	GRASSES
Amaranth, Spiny (seedling) (<i>Amaranthus spinosus</i>) Butterweed (Cressleaf groundsel) (<i>Senecio glabellus</i>) Cudweed (<i>Gnaphalium</i> spp.) Purslane (<i>Portulaca oleracea</i>)	Crabgrass, large (<i>Digitarius sanguinalis</i>)* Foxtail, bristlegrass (<i>Setaria magna</i>) Goosegrass (<i>Eleusine indica</i>) Panicum, broadleaf (<i>Panicum adspersum</i>) Signalgrass, Broadleaf (<i>Brachiaria platyphylla</i>)
*Best control is achieved when applications are made when this weed is less than 4" in diameter.	
APPLICATIONS – SUGARCANE – FLORIDA ONLY	
Sharda Metribuzin 4SC (Pt./Acre)	REMARKS
2 to 4	GROUND APPLICATION: Sharda Metribuzin 4SC may be used in one or two applications with

	a minimum of 14 days between each application. Apply when weeds are less than 6 inches tall in 10 to 40 gallons of spray mixture per acre. POST-EMERGENCE BROADCAST OR BAND: Apply over the top of stubble or plant cane while sugarcane is less than 14 inches tall. POST-EMERGENCE DIRECTED SPRAY: Apply to sugarcane that is a minimum of 14 inches tall and before row closing.
2 to 3	AERIAL APPLICATION: Apply when weeds are less than 4 inches tall in 5 to 10 gallons of spray mixture per acre. Apply to stubble or plant cane while the sugarcane is less than 14 inches tall.

Sharda Metribuzin 4SC PLUS Atrazine TANK MIX: Sharda Metribuzin 4SC may be used with atrazine as a pre-emergence or post-emergence (before row closing) application to sugarcane. Rates for Sharda Metribuzin 4SC are 1-1/2 to 4 pts./acre and atrazine 80% WP (4L) are 2-1/2 to 5 lbs./acre (2 to 4 qts./acre). For additional information on precautions, instructions, limitations, application, and weeds controlled, refer to this label and the atrazine label.

RESTRICTIONS (Florida Only):

- Do not use more than 4 pts. per acre in a single growing season.
- Do not use on sand soils. Spray contact with sugarcane foliage may result in minor leaf margin chlorosis and/or necrosis.
- Pre-harvest Interval (PHI): Do not apply within 60 days of harvest.
- Do not use treated crop for feed or forage.
- Do not allow spray overlaps or variations in application speed that may result in insufficient or excessive rates of application.
- To assure that spray will not adversely affect adjacent sensitive nontarget plants, apply this product by aircraft at a minimum upwind distance of 400 ft. from sensitive plants.

TOMATOES

Apply Sharda Metribuzin 4SC with ground equipment to seeded and transplanted tomatoes as specified below under "Applications".

For effective control of grasses and broadleaf weeds with post-emergence applications, apply Sharda Metribuzin 4SC before weeds are 1 inch tall. Thorough spray coverage on weed foliage is essential for adequate control with post-emergence applications.

Do not use air blast or other high pressure spray equipment to make post-emergence applications of Sharda Metribuzin 4SC. Refer to the appropriate section of this label for additional information regarding spray equipment, dilution rates, mixing, sprayer cleanup, restrictions, storage and disposal and cautions.

For specific application information see the "Product Information" section in the front of this label.

WEEDS CONTROLLED – PRE-PLANT INCORPORATED APPLICATIONS TRANSPLANT TOMATOES ONLY	
Broadcast Sprays – 1/2 to 1 Pt. Sharda Metribuzin 4SC/Acre	
BROADLEAVES	GRASSES
Galinsoga (<i>Galinsoga</i> spp.) Lambsquarters (<i>Chenopodium album</i>) Pigweed, Redroot (<i>Amaranthus retroflexus</i>)* Purslane, Common (<i>Portulaca oleracea</i>)*	Goosegrass (<i>Eleusine indica</i>)*
Pre-plant incorporated applications applied as directed will suppress foxtails, panicums, and barnyardgrass.	
Sharda Metribuzin 4SC/Trifluralin Tank Mix: This tank mix combination applied pre-plant incorporated as directed on this label will control the weeds listed above plus those weeds listed on the Trifluralin label.	
WEEDS CONTROLLED – POST-EMERGENCE APPLICATIONS ESTABLISHED TOMATOES	
For effective control of weeds with post-emergence applications, apply Sharda Metribuzin 4SC before weeds are 1 inch tall.	
Broadcast Sprays – 1/2 to 1 Pt. Sharda Metribuzin 4SC/Acre	Directed Sprays – 1 to 2 Pts. Sharda Metribuzin 4SC/Acre
BROADLEAVES	GRASSES

Carpetweed (<i>Mollugo verticillata</i>) Fumitory (<i>Fumaria officinalis</i>) Galinsoga (<i>Galinsoga</i> spp.) Jimsonweed (<i>Datura stramonium</i>)* Ladysthumb (<i>Polygonum persicaria</i>)* Lambsquarters (<i>Chenopodium album</i>) Mustard, Wild (<i>Brassica kaber</i>) Pigweeds (<i>Amaranthus</i> spp.) Purslane (<i>Portulaca oleracea</i>) Ragweed, Common (<i>Ambrosia artemisiifolia</i>)* Smartweed, Pennsylvania (<i>Polygonum pennsylvanicum</i>)* Toadflax (<i>Linaria</i> spp.) Velvetleaf (<i>Abutilon theophrasti</i>)*	Foxtail, Yellow (<i>Setaria glauca</i>)* Goosegrass (<i>Eleusine indica</i>) Plus Weeds Listed Under Broadcast Sprays.
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*For optimum control of these weeds, use the highest rate specified on the label for the type of application to be made. Repeat post-emergence applications may be needed for best control.

Post-emergence applications as directed on this label will suppress barnyardgrass and crabgrass when these weeds are less than 1 inch tall.

BROADCAST APPLICATIONS

Sharda Metribuzin 4SC (Pt./Acre)*	REMARKS
1/2 to 1	PRE-PLANT INCORPORATED – TRANSPLANT TOMATOES ONLY: Apply specified dosage in 10 or more gallons of water per acre as a broadcast spray to the soil surface immediately before transplanting. Incorporate to a depth of 2 to 4 inches with equipment capable of uniformly mixing the chemical into the soil. This application may be made alone or in a tank mix combination with Trifluralin E.C. When transplanting tomatoes, place the root system of the plants below the herbicide incorporation zone or injury may occur. Refer to the Trifluralin label for specific rate of application and for additional precautions and restrictions for tomatoes.
1/2 to 1	POST-EMERGENCE BROADCAST SPRAY – ESTABLISHED TOMATOES: Apply specified dosage in 20 or more gallons of water per acre as a broadcast spray, or apply in 1/4 to 3/4 inch of water (use 1/4 to 1/2 inch of water on sandy soils) per acre as a continuous injection in center pivot and lateral move systems or apply in the last 15 to 30 minutes of set in permanent soil set sprinkler systems. One or more applications may be applied per use season. Allow at least 14 days between applications or severe crop injury may occur. For transplanted tomatoes, do not apply until transplants have recovered from transplant shock and new growth is evident. Do not apply to tomatoes within 24 hours of application of other pesticides. Do not tank mix with other pesticides. (See “ Special Precautions ” below).
1 to 2	POST-EMERGENCE DIRECTED SPRAY – ESTABLISHED TOMATOES: Apply specified dosage in 20 or more gallons of water per acre as a directed spray. One or more applications may be applied per use season. Allow at least 14 days between applications or severe crop injury may occur. Avoid contacting tomato foliage with spray. This method of treatment is recommended for use in fields with a history of severe weed pressure or in fields infested with hard-to-control weeds. For transplanted tomatoes, do not apply until transplants have recovered from transplant shock and new growth is evident. Do not apply to tomatoes within 24 hours of application of other pesticides. (See “ Special Precautions ” below). When banding, see the appropriate section in the front of this label.

* Use the higher rate in fields with a history of severe weed pressure and for maximum residual weed control.

Special Precautions: Crop injury or delayed maturity may result from broadcast or directed spray applications if tomatoes are growing under stress conditions such as periods of drought or cool, wet and cloudy weather preceding application.

For newly introduced tomato varieties with unknown tolerance to Sharda Metribuzin 4SC, treat only a small area to determine if Sharda Metribuzin 4SC can be used without injury to the crop.

Restrictions:

- Do not apply more than a total of 2 pts. Sharda Metribuzin 4SC per crop season.
- Do not apply the total amount of 2 pts. Sharda Metribuzin 4SC within a time span of less than 35 days, except in the case of directed sprays.
- Allow at least 14 days between applications, regardless of dosage or method of application or severe crop injury may occur.
- Pre-harvest Interval (PHI): Do not apply within 7 days of harvest.
- Do not apply within 3 days after periods of cool, wet or cloudy weather, or crop injury will occur.
- Do not use hot caps on tomatoes within 7 days before or at any time after application of Sharda Metribuzin 4SC.
- Do not treat seeded tomatoes until plants have reached the 5- to 6-leaf stage or severe crop injury may occur.
- **DO NOT USE SHARDA METRIBUZIN 4SC ON TOMATOES IN KERN COUNTY, CALIFORNIA. Aerial application is prohibited.**

(Spring and Winter Barley and Winter Wheat)

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

Sharda Metribuzin 4SC is recommended for control or suppression of certain grasses and broadleaf weeds when applied post-emergence to spring and winter barley or winter wheat. Sharda Metribuzin 4SC alone and several tank mixture treatments are recommended for use in the following states: AR, GA, ID, IL, IN, KS, KY, LA, MS, MO, MT, NV, OH, OK, OR, TN, TX, UT, and WA.

Mixing: See the “**Product Information**” section of this label for specific mixing procedures. When tank mixing, carefully follow the instructions on this label. Refer to the other product labels registered for use in barley and winter wheat for additional use directions, rates, weeds controlled, and restrictions.

Application: Sharda Metribuzin 4SC may be applied by aerial or ground application equipment. Use a minimum spray volume of 2 gpa by air and 10 gpa by ground. Uniform spray coverage is necessary to obtain optimum weed control and to minimize potential for crop injury. Do not exceed rates specified on this label. Do not apply Sharda Metribuzin 4SC through any type of irrigation equipment. Apply Sharda Metribuzin 4SC when the crop is healthy and actively growing. Sharda Metribuzin 4SC may be applied more than once per crop season. Allow a minimum of 21 days between applications if wheat is actively growing or allow 45 days between applications if wheat is growing in adverse conditions, has entered dormancy or is stressed due to frost damage, disease, drought or excessive moisture. Do not use on soils containing less than 0.75% organic matter. Do not apply more than a total of 16 fluid ounces Sharda Metribuzin 4SC (8 ounces active ingredient) per acre per year. On irrigated cereals, do not apply more than 1/2 inch of water for the first irrigation; the maximum amount for each additional irrigation should not exceed 1 inch. Allow a minimum of 14 days between the first irrigation and subsequent irrigations.

Performance Factors: Weed control may not be observed for 2 to 4 weeks under normal growth conditions and for 4 to 6 weeks under very dry conditions. Moisture (at least 1/2 inch) is required within 2 to 3 weeks after application to move Sharda Metribuzin 4SC into the weed root zone. Lack of adequate moisture after application may result in poor or erratic weed control. Control or suppression of listed weeds is dependent on weed size at time of application. Control or suppression may be reduced if broadleaf weeds are taller than 1 inch or grasses have more than 2 leaves.

Tank Mixtures: Sharda Metribuzin 4SC may be tank mixed with Ally, Amber, Finese, Glean FC, Harmony Extra, 2,4-D, MCPA, Igran, Banvel/Banvel SGF, Bronate, or Buctril herbicides. A non-ionic surfactant containing at least 80% active ingredient may be used in Sharda Metribuzin 4SC tank mixes with sulfonyleurea herbicides (Ally, Amber, Finese, Glean FC, and Harmony Extra). Do **not** use a crop oil concentrate or any adjuvant containing vegetable or petroleum oils with any Sharda Metribuzin 4SC mix as crop injury may result. Additional pesticides may also be tank mixed with Sharda Metribuzin 4SC unless specifically prohibited on the mix products' labels. In some instances, combinations with organophosphate insecticides may cause temporary leaf yellowing and/or crop injury, especially when widely fluctuating day/night temperatures occur near application. Always refer to the other product labels registered for use on cereals for additional directions, rates and weed species controlled. Observe all precautions and limitations on labeling of all products used in mixtures.

Feeding Restrictions:

- Pre-harvest Interval (PHI): Do not graze wheat within 14 days of Sharda Metribuzin 4SC application or harvest grain within 21 days after last application.
- Do not graze or harvest barley before crop maturity.
- For tank mix combinations, follow the most restrictive label.

Special Precautions: Cereal injury – Crop injury may occur if Sharda Metribuzin 4SC is applied:

1. When the crop is under stress such as winter kill, frost damage, disease, drought or excessive moisture, severe grazing, or when these conditions follow the application.
2. In combination with fluid fertilizer especially with the addition of surfactant.
3. Prior to the growth stage specified on this label.
4. To soils high in lime or sodium, a pH greater than 7.7, calcareous, gravelly, thinly covered or exposed subsoil areas.
5. To fields where cereal seeds have been planted less than 1 inch deep.
6. To a non-winter hardy wheat or barley variety.
7. To a sensitive wheat or barley variety as listed below.
8. To frozen soil or crop still in winter dormancy.

Cereal Rotations Following Potatoes Treated with Sharda Metribuzin 4SC: If planting a sensitive cereal variety (listed under the wheat and barley variety tolerance portion of this label), following potatoes treated with Sharda Metribuzin 4SC or METRIBUZIN containing products, refer to the potato section of the Sharda Metribuzin 4SC label for special cultural practices to follow.

APPLICATION INSTRUCTIONS

Sharda Metribuzin 4SC alone or in a tank mix with labeled broadleaf herbicides may be applied by aerial or ground spray equipment as a broadcast post-emergence spray.

POST-EMERGENCE BROADCAST APPLICATIONS OF SHARDA METRIBUZIN 4SC				
Crop Growth Stage	Soil Texture	Sharda Metribuzin 4SC Rate (fl. oz./Acre) % ORGANIC MATTER		REMARKS
		0.75 to 2.0	Over 2.0	
		2 Leaf To 2 Tiller	Coarse Medium Fine	
3 Tiller To 4 Tiller	Coarse Medium Fine	4.5 to 6 6 to 7.5 7.5 to 9	6 to 7.5 7.5 to 9 7.5 to 9	Do not apply within 2 weeks after grazing or breaking of winter dormancy. Apply after the crop is at or beyond the 3 tiller growth stage but before jointing. Secondary roots should be developed and larger than 1 inch long. Do not apply before 75 days after planting.
Over 4 Tillers	Coarse Medium Fine	6 to 9 6 to 12 7.5 to 12	7.5 to 12 7.5 to 12 12 to 16	For dryland winter wheat (non-irrigated), apply the highest Labeled rate to achieve maximum weed suppression/control. GEORGIA ONLY: Wheat must be planted before November 15 th in the Piedmont area and Northern part of the state, and before December 1 st in the Coastal Plain area.

WHEAT AND BARLEY VARIETAL TOLERANCE*

Wheat and barley varieties vary in their tolerance to Sharda Metribuzin 4SC. Varieties below are tolerant to and are recommended for use with Sharda Metribuzin 4SC:

Winter Wheat: Abe, AgriPro Mason, AgriPro Shiloh, Arthur, AS 7846, AS 7853, Baker Seed 32, Barbie VI, Basin, Batum, Bayles, Becker, Bintee V, Buchshot DS 2368, Caldwell, Cardinal, Cashup, Centurk, Cherokee, Cheyenne, Clark, Coker 747, Coker 762, Coker 797, Coker 68-15, Coker 9134, Coker 9543, Coker 9904, Coker 9907, Daws, DB 533W, DB 562W, DB 580W, Delta King 502, Delta King 9027, Dixie 952, Doublecrop, Dusty, Dyna-gro 426, Dynasty, Excel, Faro, FFR 525W, Florida 302, FS 432, FS 433, FS 435, Gains, Garst 64, Georgia 100, Genie V, Hatton, Hawk, Hill 81, Howell, Hunter, Hyak, Hyslop, Katie VI, KY 16-2, Larned, Lewis 833, Lewjain, Lisa, Longhorn, Luke, Madison, Magnum, Malcom, McDermid, McNair 1003, McNair 1813, Molly, Moro, Neely, Nelson, Newton, Norstar, Norwin, Nugaines, Oasis, Omega 78, Paha, Peck, Pike, Pioneer 2157, Pioneer 2180, Pioneer 2510, Pioneer 2545, Pioneer 2548, Pioneer 2550, Pioneer 2552, Pioneer 2555, Pioneer, 2566, Pioneer 2571, Pioneer 2580, Pioneer 2684, Quantum 577, Redwin, Rocky, Saluda, Sawyer, SC 104, Siouland, Sprague, Southern Belle, Stacy, Stallion, Stephens, TAM W101, TAM 105, TE 877, TE 2548, TE SR204, TR 8555, TR 8557, TR 8768, Tiber, Tomahawk, Traveler, Tres, Tyee, Tyler, Verne, Victory, Wakefield, Wanser, Weston, Winalta, and Wrangler.

Barley: Advance, Boyer, Clark, Compana, Hannchen, Hector, Hesk, Hudson, Lud, Luther, Kamiak, Klages, Olympic, Pirolina, Steptoe, and Triumph.

The following cereal varieties are sensitive to Sharda Metribuzin 4SC and are **not recommended** for use:

Winter Wheat: AT 90W, AT 91W, AgriPro Clemens, Arapaho, Baker Seed 33, Century, Cimarron, Coker 833, Coker 916, Coker 983, Coker 9024, Coker 9105, Coker 9323, Choker 9474, Choker 9835, Choker 9766, Choker 9877, EK 102, EK 114, FAR555, Florida 304, Freedom, FS 417, FS 423, FS 425, FS 430, Gore, Hazen, Hickory, Jackson, Julie III, KY-49-25, Linden, Madison, Mesa, Mustang, Pacer, Pioneer 2551, Pioneer 2163, Pioneer 2643, Pioneer 2691, Princeton 733, PER W71, PER 226, PER 278, Rosen, Savannah, Sierra, TAM 107, TR 101, TR 1011, TR 8822, Triumph 64, Vona, Wings, Winridge, and Yamhill.

Spring/Durum Wheat: Do not use on Spring wheat and Durum wheat varieties.

Barley: Glenn, Morex, Moravian 3, Larker, Summit, Bracken, Anheuser Busch B2601, and varieties with Morex parentage.

Varieties Not Listed: To avoid possible crop injury on any variety not mentioned in this label, contact a Sharda representative or herbicide expert for a variety recommendation prior to treatment or treat a small strip of the unlisted variety with the specified Sharda Metribuzin 4SC rate to ascertain crop tolerance before treating an entire field.

*Abbreviated names of vendors: AS (Agseco), AT (Agratech), DB (Diener Bros.), FS (Growmark FS), PI (Pioneer), PER (Hybritech), SC (J.M. Schultz), TE (Terra), and TR (Terral).

Used at specified rates, Sharda Metribuzin 4SC will control many annual broadleaf weeds. Control is best when applied to young, actively growing weeds. Weeds controlled by Sharda Metribuzin 4SC include:

WEEDS CONTROLLED			
Bittercress	Evening Primrose, Cutleaf	Knotweed, Prostrate	Pigweed, spp.
Catchfly, Conical (Sand)	Falseflax, Smallseed	Lambsquarters, Common	Pineappleweed
Catchweed, (Madwort)	Fiddleneck, Tarweed	Lettuce, Miners	Polemonium, Annual (Jacob's Ladder)
Chickweed, Common	Filaree, Redstem	Mustard, Blue	Radish, Wild
Chickweed, Mouseear	Geranium, Carolina	Mustard, Wild	Shepherd's purse
Corncockle	Gromwell, spp.	Pennycress, Field	Speedwell, Ivyleaf
Dogfennel (Mayweed)	Henbit	Pepperweed, Virginia	Turnip, Wild

Sharda Metribuzin 4SC control of the following weeds varies from poor to excellent depending on time of application, stage of growth at application, temperatures and soil moisture conditions following treatment. For maximum effect on these weeds, apply the highest labeled rate at the earliest growth stage timing for each particular soil type and organic matter. Suppression is a reduction in weed size and growth as compared to a non-treated area in the same field.

WEEDS SUPPRESSED			
BROADLEAVES		GRASSES	
Buckwheat, Wild*	Thistle, Russian	Barley, Hare (Wild)	Brome, Ripgut*
Buttercup, spp.	Vetch, Winter	Barley, Little	Cheat*
Cowcockle		Blackgrass	Foxtail, spp.*
Kochia*		Bluegrass, Annual	Oat, Wild*
Lettuce, Prickly		Bluegrass, Bulbous	Rescuegrass*
Mustard, Tumble (Jim Hill)*		Brome, Downy*	Whitlowgrass, Spring (Vernal)
Tansymustard		Brome, Japanese*	Windgrass

*Use the highest specified Sharda Metribuzin 4SC rate for maximum weed suppression.

FOR WEED CONTROL IN A WHEAT/FALLOW/WHEAT ROTATION

(Idaho, Oregon, Utah, and Washington Only)

Sharda Metribuzin 4SC may be applied to provide weed control during the fallow period after wheat harvest or in the Spring before winter wheat is planted. Winter wheat can be seeded 4 months (120 days) after Spring application. Mechanical tillage or the application of a contact herbicide may be required to control weeds germinating prior to seeding of winter wheat. Best results will be obtained where straw and chaff are evenly distributed across the field. For specific information see the "Product Information" section in the front of this label.

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another). Where weed growth is present at application time, Sharda Metribuzin 4SC should be applied with Gramoxone or other contact herbicide. Refer to the other product label registered for additional directions, rates, and weed species controlled.

WEEDS CONTROLLED		
BROADLEAVES		GRASSES
Chickweed, Common (<i>Stellaria media</i>)	Mustard, Treacle (<i>Erysimum repandum</i>)	Cheatgrass (<i>Bromus secalinus</i>)
Henbit (<i>Lamium amplexicaule</i>)	Mustard, Wild (<i>Brassica kaber</i>)	Downy Brome (<i>Bromus tectorum</i>)
Kochia (<i>Kochia scoparia</i>)*	Pennycress, Field (Fanweed) (<i>Thlaspi arvense</i>)	Wheat, Volunteer (<i>Triticum</i> spp.)*
Lambsquarters (<i>Chenopodium album</i>)	Pigweeds (<i>Amaranthus</i> spp.)	
Mustard, Blue or Purple (<i>Chorispora tenella</i>)	Russian Thistle (<i>Salsola iberica</i>)*	
Mustard, Jim Hill (<i>Sisymbrium altissimum</i>)	Wild Sunflower (<i>Helianthus</i> spp.)*	
Mustard, Tansy (<i>Descurainia pinnata</i>)		

*Note: Since control of these weeds may be variable depending on moisture following application, the higher labeled rate is recommended.

After Harvest Application (Fall Fallow): Sharda Metribuzin 4SC may be applied to wheat stubble after harvest in the Fall. Apply 1 to 1-1/4 pts. per acre broadcast before weeds emerge. Use higher rate for longer weed control or for weeds designated as requiring the higher rate for control. Rainfall (1/2 inch or more) is necessary for herbicide activation.

Do not plant crops in treated areas for at least 10 months following Fall applications. Do not rotate any crop not listed on this label for 18 months following application.

Sharda Metribuzin 4SC may be applied at 1 to 1-1/4 pts. per acre as directed above for a Fall application. If other vegetation is present at the time of application use a contact herbicide.

Spring Application (Summer Fallow): Sharda Metribuzin 4SC may be applied to wheat stubble in the Spring. Apply 3/4 to 1 pt. per acre broadcast before weeds emerge in the Spring. Use higher rate for longer weed control or weeds designated as requiring higher rate for control. Rainfall (1/2 inch or more) is necessary for herbicide activation.

Restrictions:

- Do not graze treated fields.
- Do not plant Spring seeded cereals following Fall fallow applications of Sharda Metribuzin 4SC. Where Sharda Metribuzin 4SC was applied in the Fall, do not apply Sharda Metribuzin 4SC in the Spring.

FOR WEED CONTROL IN A FALLOW ROTATION WITH BARLEY AND WHEAT

(Colorado, Kansas, Montana, Nebraska, and Wyoming Only)

Sharda Metribuzin 4SC may be applied to provide weed control during the fallow period after wheat or barley harvest or in the Spring before planting of Winter wheat or barley. Mechanical tillage or the application of a contact herbicide may be required to control weeds germinating prior to seeding of Winter wheat or barley.

For specific application information see the “**Product Information**” section in the front of this label.

Where weed growth is present at application time, Sharda Metribuzin 4SC should be applied with Gramoxone, glyphosate, or other contact herbicide. Refer to the other product label registered for additional directions, rates, and weed species controlled. Do not plant crops in treated areas earlier than 10 months following Fall applications.

WEEDS CONTROLLED		
BROADLEAVES		GRASSES
Chickweed, Common (<i>Stellaria media</i>)	Mustard, Tansy (<i>Descurainia pinnata</i>)	Cheatgrass (<i>Bromus secalinus</i>)
Cowcockle (<i>Vaccaria pyramidata</i>)	Mustard, Treacle (<i>Erysimum repandum</i>)	Downy Brome (<i>Bromus tectorum</i>)
Henbit (<i>Lamium amplexicaule</i>)	Mustard, Wild (<i>Brassica kaber</i>)	Foxtail, Green (<i>Setaria viridis</i>)*
Kochia (<i>Kochia scoparia</i>)*	Pennycress, Field (fanweed) (<i>Thlaspi arvense</i>)	Wheat, Volunteer (<i>Triticum</i> spp.)*
Lambsquarters (<i>Chenopodium album</i>)	Pigweeds (<i>Amaranthus</i> spp.)	Wild Oats (<i>Avena fatua</i>)*
Mustard, Blue or Purple (<i>Chorispora tenella</i>)	Russian thistle (<i>Salsola iberica</i>)	
Mustard, Jim Hill (<i>Sisymbrium altissimum</i>)	Sunflower (<i>Helianthus</i> spp.)	
*Note: Since control of these weeds may vary depending on moisture following application, use the higher rate specified below.		

AFTER HARVEST APPLICATION (Fall Fallow): Sharda Metribuzin 4SC may be applied to the stubble after harvest in the Fall. Apply 1-1/4 to 1-1/2 pts. per acre broadcast before weeds emerge. Use the higher rate for longer weed control or for weeds designated as requiring the higher rate for control. Rainfall (1/2 inch or more) is necessary for herbicide activation.

SPRING APPLICATION (Summer Fallow): Sharda Metribuzin 4SC may be applied to the stubble in the Spring. Apply 3/4 to 1 pt. per acre broadcast before weeds emerge in the Spring. Use the higher rate for longer weed control or weeds designated as requiring the higher rate for control. Rainfall (1/2 inch or more) is necessary for herbicide activation. Wheat or barley can be seeded 120 days after Spring application.

RESTRICTIONS:

- Do not graze treated fields. Do not plant Spring seeded cereals following Fall applications for fallow.
- Where Sharda Metribuzin 4SC was applied in the Fall, do not apply Sharda Metribuzin 4SC in the Spring.
- Do not rotate any crop not listed on this label for 18 months following application.

CROP ROTATION

Waiting Period After Sharda Metribuzin 4SC Herbicide Application¹

4 Months	Alfalfa Barley ² Asparagus Corn	Forage Grasses Potatoes Sainfoin Soybeans	Sugarcane Tomatoes Wheat ²
8 Months	Barley	Lentils Peas	Wheat
12 Months	Potatoes	Rice ³	
18 Months	Sugar Beets All other crops not listed on this label	Onions	Other Root Crops Not Listed

¹Cover crops for soil building or erosion control may be planted any time, but do not graze or harvest for food or feed. Stand reductions may occur in some areas.

²Following peas, lentils or soybeans.

³Do not rotate rice after any application to a primary crop greater than 1 lb. a.i./A of Sharda Metribuzin 4SC per season.

Do not rotate any crop not listed on this label after application of Sharda Metribuzin 4SC to sugarcane.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, or feed. Store in original container and out of the reach of children, preferably in a locked storage area. Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Dispose of pesticide as directed below. In spill or leak incidents, keep unauthorized people away. For large spills, contact CHEMTREC at 1-800-424-9300.

Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Handling: Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying.

[Containers less than 5 gallons] 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. 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.

[For containers larger than 5 gallons] Triple rinse or pressure rinse as follows: Triple rinse: 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. Pressure rinse: 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 flow begins to drip. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

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