



U.S. ENVIRONMENTAL PROTECTION AGENCY

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

EPA Reg. Number:

70506-394

Date of Issuance:

12/22/21

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

PREVIEW™ 2.1 SC HERBICIDE

Name and Address of Registrant (include ZIP Code):

Alexis B. Bromley  
Regional Regulatory Manager  
UPL NA INC.630 Freedom Business Center, Suite 402  
King of Prussia, PA 19406

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

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

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

This product is 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:

Emily Schmid, Product Manager 25  
Herbicide Branch, Registration Division (7505P)

Date:

12/22/21

2. You are required to comply with the data requirements described in the DCI and EDSP Order identified below:
  - a. Metribuzin GDCI- 101101-1304,101101-1825
  - b. Metribuzin EDSP-0057184
  - c. Sulfentrazone GDCI- 129081-883

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://iaspub.epa.gov/apex/pesticides/f?p=chemicalsearch:1>

3. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, “EPA Reg. No. 70506-394.”
4. Submit one copy of the final printed label for the record before you release the product for shipment.

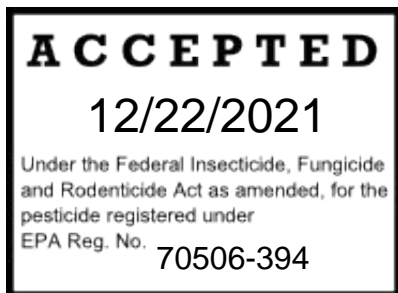
Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded 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 04/28/2021
- Alternate CSF 1 dated 04/28/2021

If you have any questions, please contact Aleah Holt at 703-347-0482 or by email at [holt.aleah@epa.gov](mailto:holt.aleah@epa.gov).

Enclosure



METRIBUZIN	GROUP	5	HERBICIDE
SULFENTRAZONE	GROUP	14	HERBICIDE

## PREVIEW™ 2.1 SC HERBICIDE

For Use on Asparagus, Field Corn (Fall application only) Potato, Soybeans, Sugarcane, and Tomato (Transplants only)

Active Ingredients:	By Wt.
Metribuzin* .....	24.0%
Sulfentrazone** .....	12.0%
<b>Other Ingredients</b> .....	<u>64.0%</u>
<b>Total:</b> .....	100.0%

PREVIEW™ 2.1 SC HERBICIDE contains 3.35 pounds active ingredient per gallon: 2.23 pounds metribuzin, and 1.12 pounds sulfentrazone

\*4-amino-6-(1,1-dimethylethyl)-3-(methylthio)-1,2,4-triazin-5(4H)-one

\*\*N-[2,4 dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]methanesulfonamide

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

### FIRST AID

**If swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

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

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

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

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical assistance, contact Rocky Mountain Poison and Drug Safety at 1-866-673-6671.

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident, call CHEMTREC at 1-800-424-9300.

**UPL NA INC.**  
630 Freedom Business Center, Suite 402  
King of Prussia, PA 19406 U.S.A.

EPA Reg. No. 70506-\_\_\_\_\_

EPA Est. No. \_\_\_\_\_

Net Contents: \_\_\_\_\_ gallons

See [front][back][side][inside] panel of container for First Aid Instructions and [Leaflet][Booklet] for complete Precautionary Statements and Directions for Use.

## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

**Caution.** Harmful if swallowed, absorbed through the skin, or inhaled. Avoid contact with skin, eyes, or clothing. Avoid breathing mists or vapors. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Wear long-sleeved shirt and long pants, socks, shoes, chemical-resistant (barrier laminate, butyl rubber  $\geq$  14 mils, nitrile rubber  $\geq$  14 mils, neoprene  $\geq$  14 mils, polyvinyl chloride  $\geq$  14 mils, or viton  $\geq$  14 mils) gloves. Remove and wash contaminated clothing before reuse.

### Physical-Chemical Hazards

Do not mix or allow coming into contact with oxidizing agents. Hazardous chemical reaction may occur.

### Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves.
- Shoes plus socks.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separate from other laundry.

### User Safety Recommendations:

Users should:

- Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### Environmental Hazards

This pesticide contains sulfentrazone, which is toxic to marine/estuarine invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to terrestrial and aquatic plants in neighboring areas. Do not contaminate water when disposing of equipment washwaters or rinsate.

### Groundwater Advisory

This product contains metribuzin, a chemical which can travel (seep or leach) through soil and can contaminate groundwater which may be used as drinking water. Metribuzin has been found in groundwater as a result of agricultural use. Do not 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.

**Groundwater Advisory:** This product contains ingredients which are known to leach through soil into groundwater under certain conditions as a result of label use. Use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination  
**Do not use on coarse soils classified as sand, which have less than 1.0% organic matter.**

**Surface Water Advisory:** PREVIEW 2.1 SC HERBICIDE contains sulfentrazone, which can contaminate surface water through spray drift. Under some conditions, PREVIEW 2.1 SC HERBICIDE may also have a high potential for runoff into surface water (primarily via dissolution in runoff water), for several to many months post-application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlying extremely shallow groundwater, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas over-lying tile drainage systems that drain to surface waters.

### **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. These requirements 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.**

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 over long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material, and shoes plus socks.

### **DIRECTIONS FOR USE**

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

#### **RESTRICTIONS:**

**DO NOT** apply this product through any type of irrigation system.

**DO NOT** apply 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 State or Tribe, consult the Agency responsible for pesticide regulation.

Product must be used in a manner which will prevent back siphoning in wells, spills, or improper disposal of excess pesticide, spray mixtures, or rinsate.

### **Resistance-Management Recommendations**

For resistance management, please note that PREVIEW 2.1 SC HERBICIDE contains both a Group 5 (metribuzin) and a Group 14 (sulfentrazone) herbicide. Any weed population may contain plants naturally resistant to Group 5 or Group 14 herbicides. The resistant individuals may dominate the weed population if these herbicides are used repeatedly in the same fields. Appropriate resistance management strategies should be followed.

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

- Rotate the use of PREVIEW 2.1 SC HERBICIDE or other Group 5 or 14 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.

- Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage (or other mechanical control methods), cultural (e.g. higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Scout before application to identify the weed species present and their growth stage to determine if the intended application will be effective. Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist, certified crop advisors, and/or manufacturer for additional herbicide resistance management and/or integrated weed management recommendations for specific crops and resistant weed biotypes. Report any incidence of non-performance of this product against a particular weed species to your local extension specialist, retailer or UPL NA INC. representative. If resistance is suspected, treat weed escapes with a herbicide having a different mechanism of action and/or use non-chemical means to remove escapes, as practical, with the goal of preventing further weed seed production.

## Best Management Practices

- Plant into weed-free fields and keep fields as weed-free as possible.
- Fields with difficult to control weeds should be rotated to crops that allow the use of herbicides with alternative mechanisms of action or different management practices.
- Apply this herbicide at the correct timing and rate needed to control the most difficult weed in the field.

## PRODUCT INFORMATION

PREVIEW 2.1 SC HERBICIDE is a soluble concentrate formulation to be mixed with water and sprayed for selective pre-emergence or preplant incorporated weed control in labeled crops. When applied according to the instructions on this label, PREVIEW 2.1 SC HERBICIDE will control listed broadleaf and sedge weeds, and provide suppression of grasses.

The mode of action of PREVIEW 2.1 SC HERBICIDE involves uptake by weed roots and shoots, and pre-emergence and preplant incorporated applications of PREVIEW 2.1 SC HERBICIDE require rainfall or irrigation to activate the herbicide. The amount of rainfall or irrigation required for activation after application depends on existing soil moisture, organic matter content and soil texture. If 1/2" to 1" of moisture is not received within 7 to 10 days after PREVIEW 2.1 SC HERBICIDE is applied, a shallow cultivation may be needed to obtain desired weed control. When sufficient moisture is received after dry conditions, PREVIEW 2.1 SC HERBICIDE will provide control of susceptible germinating weeds.

Proper handling instructions: This product may not be mixed or loaded within 50 feet of any wells (including abandoned wells and drainage wells), sink holes, perennial or intermittent streams and rivers,

and natural or impounded lakes and reservoirs. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pads or properly diked mixing/loading areas. Operations that involve mixing, loading rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 feet of any well are prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or washwater, and rainwater that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self-contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain at a minimum 110% of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment capacity 100% of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above specific minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operation containment.

## APPLICATION INSTRUCTIONS

### MIXING

When using PREVIEW 2.1 SC HERBICIDE, 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.

Keep any tank mix containing PREVIEW 2.1 SC HERBICIDE agitated and spray out immediately. **DO NOT** allow tank mixes to stand for prolonged periods of time.

Utilize a boom and nozzle sprayers equipped with the appropriate nozzles, and screens and adjusted to provide optimum spray distribution and coverage at the appropriate operating pressures. Utilize nozzles that produce minimal amounts of fine spray droplets to avoid spray drift or inadequate foliar and soil coverage. Apply a minimum of 10 gallons of finished spray per acre. Be aware that overlaps and slower ground speeds while starting, stopping, or turning while spraying may result in excessive application and subsequent response.

Sprayer must be accurately calibrated before application. Check sprayer during application to be sure it is working properly.

Water or liquid fertilizer must be used as the carrier for PREVIEW 2.1 SC HERBICIDE, when applied alone, or when tank mixed with other herbicides on any labeled crops. A jar test for compatibility of liquid fertilizer and PREVIEW 2.1 SC HERBICIDE tank mix is recommended if the compatibility of the liquid fertilizer and PREVIEW 2.1 SC HERBICIDE is unknown.

Continuous agitation during application is required. Avoid overlap. Shut off spray booms while turning, slowing, or stopping, as over application may result. **DO NOT** store the sprayer overnight or for any extended period of time with the PREVIEW 2.1 SC HERBICIDE spray mixture remaining in the tank.

### SPRAY 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.

Ground boom applications:

- When using ground application equipment, apply with nozzle height no more than 4 feet above the ground or crop canopy.
- Applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

**Aerial applications:**

- Aerial application is allowed only when environmental conditions prohibit ground application.
- When applying aurally to crops, **DO NOT** release spray at a height greater than 10 ft. above the crop canopy, unless a greater application height is necessary for pilot safety.
- Applicators are required to use a medium or coarser spray droplet size (ASABE S572.1).
- When applying to crops via aerial application equipment, the spray boom must be mounted on the aircraft so as to minimize drift caused by wing tip or rotor blade vortices. The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.
- When applying to crops via aerial application equipment, applicators must use ½ swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented so the spray is directed toward the back of the aircraft.
- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

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 must be familiar with and take into account the information covered in the Spray 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 best 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:** Apply at a height not 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. Increase swath adjustment distance 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. Due to variable wind direction and high inversion potential, avoid application below 2 mph. NOTE: Local terrain can influence wind patterns. Every applicator must 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:** Do not apply 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:** Apply PREVIEW 2.1 SC HERBICIDE only 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).

#### **OFF-TARGET MOVEMENT OF PREVIEW 2.1 SC HERBICIDE**

Drift of spray mixtures containing PREVIEW 2.1 SC HERBICIDE must be prevented. Observation of the preceding environmental conditions, correct application equipment design, calibration and application practices will significantly diminish the risk of off-target spray drift. PREVIEW 2.1 SC HERBICIDE can cause significant symptomology by drift onto sensitive crops and other plants. This symptomology may manifest initially as discreet, localized spots where contacted by PREVIEW 2.1 SC HERBICIDE drift mixtures. Depending on concentration of the spray solution and droplets size (effectively determining the dosage of sulfentrazone) and also depending on the inherent sensitivity of the plants involved, these spots or lesions may or may not coalesce. These effects will usually not have lasting effects on plant growth, but will likely reduce the value of affected fruit or foliage where grade or quality are associated with appearance. In severe drift instances with particularly sensitive crops, defoliation of affected foliage could result. Failure to follow these guidelines and environmental prohibitions that then result in off-target movement or drift of PREVIEW 2.1 SC HERBICIDE onto unintended crops or plants, irrespective of severity, constitutes misapplication of this product.

#### **BAND TREATMENT APPLICATIONS**

For band treatments, apply the broadcast equivalent rate and volume per treated acre. To determine these:

$$\frac{\text{Band Width (Inches)}}{\text{Row Width (Inches)}} \times \text{Broadcast Rate Per Acre} = \text{Band Rate}$$

$$\frac{\text{Band Width (Inches)}}{\text{Row Width (Inches)}} \times \text{Broadcast Volume Per Acre} = \text{Band Volume}$$

## MIXING & LOADING INSTRUCTIONS

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

Always ensure that equipment is clean and free of existing pesticide deposits before applying PREVIEW 2.1 SC HERBICIDE. Follow the spray tank cleanout procedures specified on the label of the product previously applied before adding PREVIEW 2.1 SC HERBICIDE to the tank.

For best results, fill spray tank with one half the volume of clean water or liquid fertilizer solution needed for the field to be treated. Start agitation system. When mixing PREVIEW 2.1 SC HERBICIDE in a spray tank with anything other than clean water (fertilizer, previous herbicide mixtures, etc.), mix PREVIEW 2.1 SC HERBICIDE in a separate container with clean water to create a slurry before adding it to the spray tank.

Slowly add the slurry to the spray tank. Carefully rinse the mixing container, adding the rinsate to the spray tank. Complete filling the spray tank to the desired level. Continuous spray tank agitation is required at all times to maintain a uniform spray solution. Refer to rate tables for the proper application rate. Make sure PREVIEW 2.1 SC HERBICIDE is thoroughly mixed before application or before adding another product to the spray tank.

For tank mixtures with other herbicide(s) labeled for the same uses as PREVIEW 2.1 SC HERBICIDE, conduct a jar test to ensure product compatibility before full-scale mixing. If the jar test indicates the mixture to be compatible, prepare the tank mixture as follows:

- Fill the spray tank one fourth full with clean water.
- With agitator operating, add the specified amounts of ingredients using the following order: dry granules first, liquid suspensions (flowables) second.
- Add EC products followed by remaining adjuvants and/or carrier to tank as agitation continues and tank is filled with liquid carrier. All applicable directions, restrictions, and precautions for the tank mixture herbicide(s) must be followed.

Apply PREVIEW 2.1 SC HERBICIDE spray mixtures immediately after mixing. **DO NOT** store mixture. **DO NOT** store the sprayer overnight or for any extended period for time with PREVIEW 2.1 SC HERBICIDE spray mixture remaining in the tank. **DO NOT** premix PREVIEW 2.1 SC HERBICIDE spray solutions in nurse tanks. If PREVIEW 2.1 SC HERBICIDE was tank mixed with other herbicides, all additional directions, restrictions, and precautions for the additional herbicides must also be followed.

## SPRAYER EQUIPMENT CLEAN-OUT

As soon as possible after spraying PREVIEW 2.1 SC HERBICIDE and before using sprayer equipment for any other applications, the sprayer must be thoroughly cleaned to avoid potential crop effects using the following procedure. Residues left in mixing equipment, spray tanks, hoses, spray booms and nozzles can cause crop effects if they are not properly cleaned. In addition, users must take appropriate steps to ensure proper equipment clean-out for any other products mixed with PREVIEW 2.1 SC HERBICIDE as required on the other product labels.

1. Drain sprayer tank, hoses, spray boom and spray nozzles. Use a high-pressure detergent wash to remove physical sediment and residues from the inside of the sprayer tank and thoroughly rinse. Then, thoroughly flush sprayer hoses, spray boom and spray nozzles with a clean water

rinse. Remove and clean spray nozzles and all filters and screens (tank, spray hose and spray tips) separately in the ammonia solution of Step 2.

2. Next, prepare a sprayer cleaning solution by adding three gallons of ammonia (containing at least 3% active) per 100 gallons of clean water. Prepare sufficient cleaning solution to allow the operation of the spray system for a minimum of 15 minutes to thoroughly flush hoses, spray boom and spray nozzles.
3. Convenient and thorough cleaning of the sprayer can be achieved if the ammonia solution or fresh water is left in the spray tank, hoses, spray booms and spray nozzles overnight or during storage.
4. Before using the sprayer, completely drain the sprayer system. Rinse the tank with clean water and flush through the hoses, spray boom, and spray nozzles with clean water. Remove and clean spray nozzles and all filters and screens (tank, spray hose and spray tip) separately in an ammonia solution.
5. Properly dispose of all cleaning solution and rinsate in accordance with Federal, State, and local regulations and guidelines.

**DO NOT** apply sprayer cleaning solutions or rinsate to sensitive crops.

**DO NOT** store the sprayer overnight or for any extended period of time with PREVIEW 2.1 SC HERBICIDE spray solution remaining in the tank, spray lines, spray boom plumbing, spray nozzles or strainers.

If the sprayer has been stored or idle, purge the spray boom and nozzles with clean water before mixing new spray solution or beginning any application.

**Should small quantities of PREVIEW 2.1 SC HERBICIDE remain in inadequately cleaned mixing, loading and/or spray equipment, they may be released during subsequent applications potentially causing effects to certain crops and other vegetation. UPL NA INC. accepts no liability for any effects due to inadequately cleaned equipment.**

**DO NOT** drain or flush equipment on or near desirable or susceptible trees or plants.

**DO NOT** contaminate any body of water including irrigation water that may be used on other crops.

## WEEDS CONTROLLED

When applied in accordance with the Application Instructions and the specific crop use directions, PREVIEW 2.1 SC HERBICIDE applied alone or in specified tank mixtures will provide control of the following weeds. Refer to the specific crop section for detailed application information, restrictions and precautions.

<b>BROADLEAVES</b>	
<b>Common Name</b>	<b>Scientific Name</b>
Amaranth, Palmer	<i>Amaranthus palmeri</i>
Amaranth, spiny	<i>Amaranthus spinosus</i>
Anoda, spurred	<i>Anoda cristata</i>
Beggarweed, Florida	<i>Desmodium tortuosum</i>
Carpetweed	<i>Mollugo verticillata</i>
Copperleaf, hop hornbeam	<i>Acalypha ostryifolia</i>
Croton, tropic	<i>Croton glandulosus</i>
Daisy, American	<i>Eclipta alba</i>
Galinsoga, hairy	<i>Galinsoga ciliata</i>
Ground cherry, clammy	<i>Physalis heterophylla</i>

<b>BROADLEAVES</b>	
<b>Common Name</b>	<b>Scientific Name</b>
Ground cherry, cutleaf	<i>Physalis angulata</i>
Jimsonweed	<i>Datura stramonium</i>
Kochia	<i>Kochia scoparia</i>
Ladys thumb	<i>Polygonum persicaria</i>
Lambsquarters, common	<i>Chenopodium album</i>
Morning glory, entireleaf	<i>Ipomoea integrifolia</i>
Morning glory, ivyleaf	<i>Ipomoea hederacea</i>
Morning glory, palmleaf	<i>Ipomoea wrightii</i>
Morning glory, purple	<i>Ipomoea turbinata</i>
Morning glory, red	<i>Ipomoea coccinea</i>
Morning glory, smallflower	<i>Jacquemontia tamnifolia</i>
Morning glory, tall	<i>Ipomoea purpurea</i>
Nightshade, eastern black	<i>Solanum ptycanthum</i>
Nightshade, hairy	<i>Solanum sarrachoides</i>
Nightshade, silverleaf	<i>Solanum elaeagnifolium</i>
Pigweed, redroot	<i>Amaranthus retroflexus</i>
Pigweed, smooth	<i>Amaranthus hybridus</i>
Poorjoe	<i>Diodia teres</i>
Purslane, common	<i>Portulaca oleracea</i>
Senna, coffee	<i>Cassia occidentalis</i>
Sida, prickly (Teaweed)	<i>Sida spinose</i>
Smartweed, Pennsylvania	<i>Polygonum pennsylvanicum</i>
Smell melon	<i>Cucumis melo</i>
Spurge, spotted	<i>Euphorbia maculata</i>
Starbur, bristly	<i>Acanthospermum hispidum</i>
Velvetleaf	<i>Abutilon theophrasti</i>
Waterhemp, common	<i>Amaranthus rudis</i>
Waterhemp, tall	<i>Amaranthus tuberculatos</i>

<b>GRASSES (Suppression Only)</b>	
<b>Common Name</b>	<b>Scientific Name</b>
Broadleaf signalgrass	<i>Brachiaria platyphylla</i>
Crabgrass, large	<i>Digitaria sanguinalis</i>
Crabgrass, smooth	<i>Digitaria ischaemum</i>
Goosegrass	<i>Eleusine indica</i>
Green Foxtail	<i>Setaria viridis</i>
Johnsongrass, seedling	<i>Sorghum halepense</i>
Orchardgrass	<i>Dactylis glomerata</i>

<b>GRASSES (Suppression Only)</b>	
<b>Common Name</b>	<b>Scientific Name</b>
Panicum, fall	<i>Panicum dichotomiflorum</i>
Panicum, Texas	<i>Panicum texanum</i>

<b>SEDGES</b>	
<b>Common Name</b>	<b>Scientific Name</b>
Nutsedge, purple	<i>Cyperus rotundus</i>
Nutsedge, yellow	<i>Cyperus esculentus</i>
Sedge, annual	<i>Cyperus compressus</i>

<b>For winter annual weeds, such as those listed below, and/or other emerged weeds, add the appropriate rate of 2,4-D, or glyphosate-based product to PREVIEW 2.1 SC HERBICIDE applications.</b>	
<b>Common Name</b>	<b>Scientific Name</b>
Chickweed, common	<i>Stellaria media</i>
Deadnettle, purple	<i>Lamium purpureum</i>
Field pennycress	<i>Thlaspi arvense</i>
Henbit	<i>Lamium amplexicaule</i>
Marestail	<i>Hippuris vulgaris</i>
Mustard spp.	<i>Brassica</i> spp.
Prickly Lettuce	<i>Lactuca serriola</i>
Shepherd's purse	<i>Capsella bursa pastoris</i>
Speedwell spp.	<i>Veronica</i> spp.
Virginia pepperweed	<i>Lepidium virginicum</i>

## CROP ROTATION

<b>Waiting Period After PREVIEW 2.1 SC HERBICIDE Application</b>			
<b>Anytime</b>	Tomatoes (Transplanted only)	Soybeans	Sugarcane
<b>4 Months</b>	Barley	Wheat	Field Corn <sup>1</sup> (Fall application only)
<b>10 Months</b>	Rice		
<b>12 Months</b>	Alfalfa Dry Beans Potato	Asparagus Sunflower Sorghum <sup>2</sup>	Peanuts Tobacco Cotton (5)
<b>18 Months</b>	Cotton <sup>3</sup> And all other crops not listed on the label (3)	Sorghum	Sweet Corn <sup>3</sup>
<b>24 Months</b>	Canola <sup>3</sup>	Sugarbeets <sup>3,4</sup>	

<sup>1</sup> Field Corn includes corn grown for grain, forage or silage, and seed corn.  
<sup>2</sup> Sorghum may be planted after 12 months where PREVIEW 2.1 SC HERBICIDE was applied at 19.5 fl.oz./acre or less in the previous cropping season.

- <sup>3</sup> Crops that have rotational intervals greater than 12 months after a PREVIEW 2.1 SC HERBICIDE application are the result of crop injury concerns.
- <sup>4</sup> A rotation interval of 24 months is allowed with a successful bioassay.
- <sup>5</sup> Cotton may be planted after 12 months where PREVIEW 2.1 SC HERBICIDE was applied at rates 16.6 fl.oz./acre or less and meets the following conditions:
- Medium and fine soils
  - pH <7.2
  - Rainfall or irrigation must exceed 15" after application of PREVIEW 2.1 SC HERBICIDE to rotate to cotton

**SOIL CLASSIFICATION CHART**

COARSE	MEDIUM	FINE
Sand Loamy sand Sandy loam	Sandy clay loam Sandy clay Loam Silt loam Silt	Silty clay loam Silty clay Clay loam Clay

**MAXIMUM USE RATE CHART**

Crop	Maximum Use Rate (FL OZ)	LB AI Metribuzin	LB AI Sulfentrazone
<b>Asparagus</b>	43	0.75	0.38
<b>Field Corn</b>	14	0.25	0.13
<b>Potatoes</b>	29	0.51	0.25
<b>Soybeans</b>	26	0.45	0.23
<b>Sugarcane</b>	42	0.73	0.37
<b>Tomatoes</b>	26	0.45	0.23

**ASPARAGUS**

**Spring Pre-emergence Applications**

Apply PREVIEW 2.1 SC HERBICIDE as a broadcast treatment to crowns established for one or more years.

Apply in the spring before the crop and weeds emerge. Apply using rate chart below, in 10 to 40 gallons of finished spray per acre. PREVIEW 2.1 SC HERBICIDE may be applied with other pesticides registered for use on asparagus.

<b>USE RATE TABLE FOR ASPARAGUS</b>	
	<b>Broadcast Rate – Fl. Oz. per Acre</b>
	<b>% Organic Matter</b>

<b>Soil Texture</b>	<1.5	1.5 - 3.0	>3.0
Coarse	16 – 22	22 - 29	29 - 36
Medium	22 - 29	29 - 36	36 - 43
Fine	29	36	43
Within the rate ranges indicated, use higher rates for soils of pH less than 7.0 and lower rates for pH greater than 7.0.			

### Precautions

These Crop Specific Use directions are based upon the interactive effects of PREVIEW 2.1 SC HERBICIDE (metribuzin and sulfentrazone) and the primary soil and environmental factors, which affect its activity on various weed species and resistance among crops. Not all varieties or cultivars of a given crop species have been evaluated under treatment with PREVIEW 2.1 SC HERBICIDE. Consult university or extension weed management specialists for additional information on specific local varieties or cultivars and any other pertinent information on PREVIEW 2.1 SC HERBICIDE under specific local conditions.

### Restrictions

- Pre-Harvest Interval (PHI): 14 days
- Retreatment Interval (RTI): 12 months
- **DO NOT** apply by air.
- **DO NOT** apply more than 43 fluid ounces PREVIEW 2.1 SC HERBICIDE (0.75 lb metribuzin + 0.38 lb sulfentrazone) per acre per twelve-month period.
- **DO NOT** make more than one PREVIEW 2.1 SC HERBICIDE application per acre per twelve-month period. The twelve-month period is considered to begin upon the initial PREVIEW 2.1 SC HERBICIDE application.
- **DO NOT** use on soils classified as sand, which have less than 1% organic matter.
- **DO NOT** use on newly seeded asparagus or on young plants during the first growing season after setting crowns.
- Use of low-pressure, high volume hand wand equipment is prohibited.

## FIELD CORN (Grain, Seed Corn, forage and silage)

### Fall Application Only

#### Preplant (Fall Applications)

Apply PREVIEW 2.1 SC HERBICIDE in the fall as a residual treatment before corn planting the following spring.

PREVIEW 2.1 SC HERBICIDE can be used alone or in a tank mixture with other herbicides to control susceptible broadleaves, sedges and grasses in corn. Apply in conventional tillage or conservation tillage (reduced tillage or no-tillage) cropping systems using the rates specified. PREVIEW 2.1 SC HERBICIDE should be applied to the stubble or soil surface to allow moisture from rainfall or snow to move the product into the soil. **DO NOT** mechanically incorporate in the fall or spring as this operation can destroy the herbicide barrier allowing weed escapes to occur.

Apply PREVIEW 2.1 SC HERBICIDE after September 30 and October 15 for areas north of Interstate 90 and Interstate 40, respectively. Apply when soil temperatures are below 55°F but **DO NOT** apply to frozen soils or existing snow cover to prevent runoff from rain or snowmelt that may occur following application. PREVIEW 2.1 SC HERBICIDE may be tank mixed with other burndown herbicides to control emerged weeds in the fall or residual soil herbicides that are labeled for fall use on corn. Select the appropriate use rate for corn for your soil type and organic matter. Due to the extended period of time between the fall application and corn planting, the use rate of PREVIEW 2.1 SC HERBICIDE should be the mid to high rate within the appropriate rate range.

USE RATE TABLE FOR FIELD CORN		
	Broadcast Rate – Fl. Oz. per Acre	
	% Organic Matter	
Soil Texture	1 – 2%	2 – 4 %
Coarse	10	10 - 14
Medium	10 - 13	12 – 14
Fine	12 - 14	14

Refer to the use rate information on soil types under the COARSE, MEDIUM, and FINE categories. Within the ranges indicated, use higher rates for soils of pH less than 7.0 and lower rates for pH greater than 7.0.

**Restrictions**

- Pre-harvest Interval (PHI): not applicable for fall applications
- Retreatment Interval (RTI): 12 months
- **DO NOT** apply more than 14 fluid ounces of PREVIEW 2.1 SC Herbicide (0.25 lb metribuzin + 0.13 lb sulfentrazone) per twelve-month period.
- **DO NOT** make more than one PREVIEW 2.1 SC HERBICIDE application per acre per twelve-month period. The twelve-month period is considered to begin upon the initial PREVIEW 2.1 SC HERBICIDE application.
- **DO NOT** apply to coarse soils classified as sand, which have less than 1% organic matter.
- **DO NOT** apply to frozen soils or existing snow cover to prevent runoff from rain or snowmelt that may occur following application.
- Use of low-pressure, high volume hand wand equipment is prohibited

**POTATOES**

**Pre-emergence Application**

**Ground and Aerial Applications**

Apply PREVIEW 2.1 SC HERBICIDE by air as a pre-emergence treatment following planting and after drag-off, but before potato emergence. For best results, apply to the soil surface and use either rainfall or overhead irrigation to activate the product. If no moisture is received within 7 days following application in areas without irrigation, a shallow incorporation (less than 2 inches) may be needed to activate the product before weed and potato emergence. Choose the appropriate use rate from the use rate table based on soil texture and organic matter. For control of emerged weeds at the time of the PREVIEW 2.1 SC HERBICIDE application, an appropriate burndown herbicide and adjuvants labeled for potatoes may be tank mixed with PREVIEW 2.1 SC HERBICIDE to control them. **DO NOT** apply PREVIEW 2.1 SC HERBICIDE if the potatoes have emerged from the soil as undesirable crop response may occur. PREVIEW 2.1 SC HERBICIDE may be tank mixed with other soil-applied herbicides labeled for use on potatoes to improve weed management and increase weed control spectrum.

Apply PREVIEW 2.1 SC HERBICIDE in a minimum of 10 gallons of spray by ground application and minimum of 5 gallons of spray by air.

Note: irrigation with highly alkaline water (high pH) following a PREVIEW 2.1 SC HERBICIDE soil application may significantly increase the amount of sulfentrazone available in soil solution. Irrigation with water having a pH greater than 7.5 could result in adverse crop response. This response will ultimately depend on initial PREVIEW 2.1 SC HERBICIDE application rate, application timing, amount and pH of irrigation water; the sensitivity of the crop and the crop growth stage when irrigated. The risk of adverse crop response will lessen as the crop matures.



<b>USE RATE TABLE FOR POTATOES</b>			
	<b>Broadcast Rate - Fl. Oz. per Acre</b>		
	<b>% Organic Matter</b>		
<b>Soil Texture</b>	<b>&lt;1.5</b>	<b>1.5 - 3.0</b>	<b>&gt;3.0</b>
Coarse	11 – 16	11 – 16	13 – 19
Medium	11 – 16	13 -22	16 – 22
Fine	16 – 22	19 – 24	22 – 29

Refer to the use rate information on soil types under the COARSE, MEDIUM, and FINE categories. Within the ranges indicated, use higher rates for soils of pH less than 7.0 and lower rates for pH greater than 7.0.

### Precautions

- These Crop Specific Use directions are based upon the interactive effects of PREVIEW 2.1 SC HERBICIDE and the primary soil and environmental factors, which affect its activity on various weed species and resistance among crops. Note that not all varieties or cultivars of a given crop species have been evaluated under treatment with PREVIEW 2.1 SC HERBICIDE. Consult university or extension weed management specialists for additional information on specific local varieties or cultivars and any other pertinent information on PREVIEW 2.1 SC HERBICIDE under specific local conditions. When using PREVIEW 2.1 SC HERBICIDE on an untested variety always determine the crop resistance before planting.

### Restrictions

- Pre-Harvest Interval (PHI): not applicable for pre-emergence application
- Retreatment Interval (RTI): 12 months
- Use of low-pressure, high volume wand equipment is prohibited.
- **DO NOT** apply PREVIEW 2.1 SC HERBICIDE after potato emergence from the soil as undesirable crop response may occur.
- **DO NOT** use on soils classified as sand, which have less than 1% organic matter.
- **DO NOT** apply more than 29 fluid ounces PREVIEW 2.1 SC HERBICIDE (0.51 lb metribuzin + 0.25 lb sulfentrazone) per acre per twelve-month period.
- **DO NOT** make more than one PREVIEW 2.1 SC HERBICIDE application per acre per twelve-month period. The twelve-month period is considered to begin upon the initial PREVIEW 2.1 SC HERBICIDE application.
- **DO NOT** use on potatoes in Kern County, CA.
- **DO NOT** apply with an airblast sprayer.
- **DO NOT** apply to sweet potatoes or yams.

### SOYBEANS (Except in CA)

Apply PREVIEW 2.1 SC HERBICIDE as a pre-emergence or preplant incorporated treatment for the control of weeds in soybeans.

### SOYBEAN RESISTANCE

The active ingredients in PREVIEW 2.1 SC HERBICIDE have been known to show some level of injury to soybean plants when used according to label guidelines.

**DO NOT use PREVIEW 2.1 SC HERBICIDE on any soybean varieties that are known to be sensitive to injury from metribuzin or sulfentrazone. Information regarding herbicide resistance of soybean varieties can be obtained from the seed company providing the seed or from University or Extension weed management specialists.**

If cool/cold weather or heavy rainfall occurs immediately following a PREVIEW 2.1 SC HERBICIDE application, soybean stunting or stand loss could occur, although yields have not been affected where early season stunting has occurred. Injury to soybeans can also occur under the following conditions: (1) excessive rate for soil type, (2) boom overlap, (3) improper sprayer calibration, (4) error in mixing procedures, (5) when soils have a calcareous surface area or pH greater than 7.5, (6) soil incorporation deeper than specified, (7) when applied with organophosphate pesticides, (8) when heavy rains occur after application, especially in poorly drained areas, (9) when soybeans are planted less than 1 1/2 inches deep, (10) on any soil with less than 0.5% organic matter.

## **APPLICATION INFORMATION**

### **Ground Application**

Use a boom and nozzle ground sprayer equipped with the appropriate nozzles, spray tips and screens and adjusted to provide optimum spray distribution and coverage at the appropriate operating pressures. Utilize nozzles that produce minimal amounts of fine spray droplets to avoid spray drift or inadequate foliar and/or soil coverage. Apply a minimum of 10 gallons of finished spray per acre by ground. Be aware that overlaps and slower ground speeds while starting, stopping or turning while spraying may result in excessive application and subsequent crop response.

**DO NOT** apply when wind speed favors drift beyond the area intended for treatment.

### **Aerial Application**

Use nozzle types and arrangements that will provide optimum coverage while producing a minimal amount of fine droplets. Apply sufficient spray volume to achieve adequate coverage. Apply a minimum of 5 gallons of finished spray per acre.

**DO NOT** apply when wind speed favors drift beyond the area intended for treatment.

## **FALL APPLICATIONS**

Apply PREVIEW 2.1 SC HERBICIDE as a fall treatment to the stubble of harvested crops for the burndown of existing vegetation and pre-emergence control of labeled weeds the following spring in no-till and conservation tillage production systems. PREVIEW 2.1 SC HERBICIDE can be applied in no-till or to the soil surface of conservation tillage fields after harvest when the sustained soil temperature is 55 degrees F and falling at a soil depth of 4 inches. Apply after September 30 in those areas North of Interstate 90 and after October 15 in those areas North of Interstate 40. To obtain adequate weed control in all areas soils must have sustained temperature of 55 degrees F or lower. Applications to ridge till production systems must be made after the formation of ridges or beds.

If weeds are emerged at the time of application, use a tank mixture with a registered burndown herbicide at labeled rates. Make fall applied burndown treatments with a minimum of 15 gallons per acre to ensure adequate coverage of the weeds being treated, Increase spray volume (gallons per acre) where weed density is high or heavy crop residue levels are present. When making burndown applications to emerged weeds, adjuvants such as crop oil concentrate (COC) or methylated seed oil (MSO) to the spray mixture to enhance the burndown activity of the application. Refer to product labels for use rates and instructions. For PREVIEW 2.1 SC HERBICIDE application rates refer to **RATE TABLE** for standard rate programs.

## **SPRING APPLICATIONS**

### **EARLY PRE-PLANT**

Apply PREVIEW 2.1 SC HERBICIDE up to 30-45 days prior to planting (Early Preplant) in no-till or minimum till cropping systems. For applications earlier than 30 days prior to planting, the high rate in the rate range may be needed for extended residual control. PREVIEW 2.1 SC HERBICIDE provides limited burndown of small weeds. PREVIEW 2.1 SC HERBICIDE applied early pre-plant must be applied in combination with the appropriate burndown herbicide such as those containing glyphosate, glufosinate, gramoxone, and/or 2,4-D to achieve acceptable control of existing weeds during application. The addition of crop oil concentrate at 1 quart per acre or non-ionic surfactant at 0.25% will increase burndown

effectiveness. For PREVIEW 2.1 SC HERBICIDE application rates refer to **RATE TABLE** for standard rate programs.

**PREPLANT INCORPORATED**

Apply PREVIEW 2.1 SC HERBICIDE preplant incorporated before planting soybeans. PREVIEW 2.1 SC HERBICIDE may be applied alone or in combination with other preplant incorporated herbicides labeled for soybeans. **DO NOT** incorporate deeper than 2 inches. Improper soil incorporation may result in erratic weed control and/or crop injury. PREVIEW 2.1 SC HERBICIDE may be followed by labeled postemergence soybean herbicides for increased control of grass and broadleaf weeds. Always follow the most restrictive label when tank mixing. For PREVIEW 2.1 SC HERBICIDE application rates refer to **RATE TABLE** for standard rate programs.

**PRE-EMERGENCE**

Apply PREVIEW 2.1 SC HERBICIDE from 30 days before planting to up to 3 days after planting, but before the crop seed germinates, to prevent injury to emerging crop seedlings. PREVIEW 2.1 SC HERBICIDE applied after crop emergence will cause severe injury to the crop. Please see below for more information regarding soybean resistance.

PREVIEW 2.1 SC HERBICIDE can be applied alone or in combination with other labeled soybean herbicides for pre-emergence grass control. It can be applied pre-emergence following the use of a preplant incorporated grass herbicide labeled for use on soybeans. If weeds are present at the time of PREVIEW 2.1 SC HERBICIDE application, also apply with labeled burndown herbicides for improved control of existing weeds. Refer to product labels for use rates and instructions.

**Properly closed planter seed furrows are required before PREVIEW 2.1 SC HERBICIDE application to avoid crop injury.** For PREVIEW 2.1 SC HERBICIDE application rates refer to **RATE TABLE** for standard rate programs.

<b>USE RATE TABLE FOR SOYBEANS</b>		
Fall, Early Pre-Plant, Pre-Plant Incorporated, Pre-emergence Conservation or Conventional Tillage		
	<b>Broadcast Rate - Fl. Oz. per Acre*</b>	
	<b>% Organic Matter***</b>	
<b>Soil Texture**</b>	1.0 - 2.0%	2.0 - 4.0%
Coarse	11 - 14	14 - 21
Medium	14 - 21	18 - 23
Fine	18 - 23	21 - 26

\* Use the higher rate for suppression of grasses and sedges.  
 \*\* Refer to the previous information on soil types under the SOIL CLASSIFICATION CHART.  
 \*\*\* **DO NOT** apply to soils with less than 1% organic matter.

**Adverse crop response can occur on soils with pH greater than 7.5. To reduce adverse crop response, use a maximum of 11 fl.oz. of PREVIEW 2.1 SC Herbicide on soils with pH greater than 7.5.**

**REPLANTING INSTRUCTIONS**

If initial planting of soybeans fails to produce a stand due to adverse environmental conditions, only soybeans may be replanted in fields treated with PREVIEW 2.1 SC HERBICIDE when used according to directions in Soybean section. **DO NOT** retreat field with a second application of PREVIEW 2.1 SC

HERBICIDE unless specifically allowed in other sections of the label or crop injury may occur. When replanting another crop than soybeans, observe the intervals found in the Crop Rotation table on this label for PREVIEW 2.1 SC HERBICIDE. When specified tank mix combinations are used, consult the product label for replanting and re-cropping instructions and observe the directions that are the most restrictive.

**RESTRICTIONS**

- Pre-Harvest Interval (PHI): not applicable for fall or pre-emergence applications
- Retreatment Interval (RTI): 12 months
- **DO NOT** apply more than 26 fluid ounces (0.45 lb metribuzin + 0.23 lb sulfentrazone) per acre of PREVIEW 2.1 SC HERBICIDE per twelve-month period.
- **DO NOT** make more than one PREVIEW 2.1 SC HERBICIDE application per acre per twelve-month period. The twelve-month period is considered to begin upon the initial PREVIEW 2.1 SC Herbicide application.
- **DO NOT** apply to soils classified as sand containing less than 1% organic matter.
- **DO NOT** apply PREVIEW 2.1 SC Herbicide after soybeans have emerged.
- **DO NOT** apply PREVIEW 2.1 SC Herbicide to frozen soil.
- **DO NOT** incorporate deeper than 2 inches.
- Not for use in California.
- **DO NOT** graze treated soybean or harvest for forage or hay.
- Use of low-pressure, high volume hand wand equipment is prohibited.

**SUGARCANE**

**Planting Time and Lay-by Applications**

**Planting Time Application**

Apply PREVIEW 2.1 SC HERBICIDE to newly planted or ratoon sugarcane as a broadcast or banded pre-emergent soil applied treatment for the control of broadleaf weeds, grasses and sedges. Use the higher rate on clay soils and/or soils with organic matter content higher than 2 percent. Apply either by air in a minimum of 5 gallons of spray per acre or by ground equipment in a minimum of 10 gallons of spray per acre. PREVIEW 2.1 SC HERBICIDE may be applied with other herbicides registered for use in sugarcane.

For aerial application, and to assure that spray does not adversely affect adjacent sensitive non-target crops, apply PREVIEW 2.1 SC HERBICIDE at a minimum upwind distance of 400 feet from sensitive plants.

<b>USE RATE TABLE FOR SUGARCANE</b>		
<b>Fluid ounces / Acre*</b>	<b>Broadcast Rate – Fl. Oz. per Acre</b>	
	<b>% Organic Matter</b>	
<b>Soil Texture**</b>	1.0 - 2.0%	2.0 - 4.0%
Coarse	21 – 26	26 – 33
Medium	26 – 33	33 – 39
Fine	33 – 39	39 – 42
* Within the ranges indicated, use the higher rates for soils of pH less than 7.0. Use the lower rates for pH greater than 7.0.		
** Refer to the previous information on soil types under the SOIL CLASSIFICATION CHART.		

**RESTRICTIONS**

- Pre-Harvest Interval (PHI): 120 days
- Retreatment Interval (RTI): 12 months
- **DO NOT** apply more than 42 fluid ounces (0.73 lb metribuzin + 0.37 lb sulfentrazone) per acre of PREVIEW 2.1 SC Herbicide per twelve-month period.
- **DO NOT** make more than one PREVIEW 2.1 SC HERBICIDE application per acre per twelve-month period. The twelve-month period is considered to begin upon the initial PREVIEW 2.1 SC HERBICIDE application.
- **DO NOT** graze treated sugarcane or harvest for forage or hay.
- To assure that spray will not adversely affect adjacent sensitive nontarget plants, apply this product by aircraft at a minimum upwind distance of 400 feet from sensitive plants.
- Use of low-pressure, high volume hand wand equipment is prohibited.

**TOMATOES (Transplanted Only)**

**Preplant Incorporated Applications (PPI)**

**Preplant Incorporated (PPI)**

Apply PREVIEW 2.1 SC HERBICIDE preplant incorporated (1" - 2" deep) as a broadcast application. Applications must be made prior to transplanting.

These Crop Specific Use directions are based upon the interactive effects of PREVIEW 2.1 SC HERBICIDE (sulfentrazone + metribuzin) and the primary soil and environmental factors, which affect its activity on various weed species and resistance among crops. Consult university or extension weed management specialists for additional information on specific local varieties or cultivars and any other pertinent information on PREVIEW 2.1 SC HERBICIDE.

When transplanting tomatoes, place the root system of the plants below the herbicide incorporation zone or injury may occur.

Apply by ground in a minimum of 10 gallons per acre of spray.

<b>USE RATE TABLE FOR TOMATO (TRANSPLANTED ONLY)</b>			
<b>Fluid ounces / Acre</b>	<b>Broadcast Rate - Fl. Oz. per Acre</b>		
	<b>% Organic Matter</b>		
<b>Soil Texture</b>	<b>&lt;1.5</b>	<b>1.5 - 3.0</b>	<b>&gt;3.0</b>
Coarse	8 - 10	10 – 16	10 – 21
Medium	10 - 21	21	21 - 26
Fine	21 – 26	26	26

Refer to the previous information on soil types under the COARSE, MEDIUM, and FINE categories.  
Use higher rates for soils of pH less than 7.0 and lowest rate listed per soil type and organic matter for pH greater than 7.0.

**Restrictions**

- Pre-Harvest Interval (PHI): not applicable for preplant incorporated applications
- Retreatment Interval (RTI): 12 months
- **DO NOT** apply more than 26 fluid ounces of PREVIEW 2.1 SC HERBICIDE (0.45 lb metribuzin + 0.23 lb sulfentrazone) per twelve-month period.
- **DO NOT** make more than one PREVIEW 2.1 SC HERBICIDE application per acre per twelve-month period. The twelve-month period is considered to begin upon the initial PREVIEW 2.1 SC HERBICIDE application.

- **DO NOT** apply by air.
- **DO NOT** make postemergence applications of other herbicides containing metribuzin to transplanted tomatoes within 14 days of applying PREVIEW 2.1 SC HERBICIDE.
- **DO NOT use on soils classified as sand, which have less than 1% organic matter.**
- Use of low-pressure, high volume hand wand equipment is prohibited.

## STORAGE AND DISPOSAL

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

### Pesticide Storage

Store product in original container only, away from fertilizer, food or feed. Store in a cool, dry place and avoid excess heat.

### To confine spill

If liquid, dike surrounding area or absorb with sand, cat litter, or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

### Pesticide Disposal

Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional office for guidance.

### Container Handling

**Nonrefillable container.** Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows:

(For containers greater than 5 gallons) 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. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

(For containers 5 gallons or less) Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Then offer for recycling if available, or reconditioning if appropriate, or, if allowed by state and local authorities, puncture and dispose of in a sanitary landfill or incineration, or by burning. If burned, stay out of smoke.

**Returnable/Refillable Containers** - Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available, or reconditioning if appropriate, or, if allowed by state and local authorities, puncture and dispose of in a sanitary landfill or incineration, or by burning. If burned, stay out of smoke.

### **[Bottom discharge Intermediate Bulk Container (IBC) (containers with capacities greater than 50 gallons)]**

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. Empty the remaining contents from the Intermediate Bulk container (IBC) into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inch on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at

least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve. Contact your Ag retailer for container return, disposal, and recycling recommendations.

**IMPORTANT INFORMATION  
READ BEFORE USING PRODUCT**

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

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

The Directions for Use of this product reflect the opinion of experts based on field use and tests, and must be followed carefully. It is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of UPL NA INC. or Seller. Handling, storage, and use of the product by Buyer or User are beyond the control of UPL NA INC. and Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold UPL NA INC. and Seller harmless for any claims relating to such factors.

**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, UPL NA INC. AND SELLER MAKE NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ON THIS LABEL.**

To the extent consistent with applicable law, UPL NA INC. or Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product and **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF UPL NA INC. AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF UPL NA INC. OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

UPL NA INC. and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by the duly authorized representative of UPL NA INC.

PREVIEW and UPL logo are trademarks of UPL Corporation Limited or its related companies.