



U.S. ENVIRONMENTAL PROTECTION AGENCY

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

EPA Reg. Number:

89167-116

Date of Issuance:

3/30/22

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

AX SU RT WSG

Name and Address of Registrant (include ZIP Code):

AXION AG PRODUCTS, LLC.
1880 FALL RIVER DRIVE, SUITE 100
LOVELAND, CO 80538

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

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

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

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

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

Signature of Approving Official:

Heather E McFarley

Heather McFarley, Product Manager 24
Fungicide and Herbicide Branch, Registration Division (7505P)
Office of Pesticide Programs

Date:

3/30/22

2. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 89167-116.”
3. Submit one copy of the revised final printed label for the record before you release the product for shipment.

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

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

- Basic CSF dated 11/11/2021

If you have any questions, please contact Sayed Islam by phone at 202-566-2796, or via email at islam.sayed@epa.gov

Enclosure:

- Stamped label

ACCEPTED

03/30/2022

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 89167-116

RIMSULFURON	GROUP	2	HERBICIDE
THIFENSULFURON	GROUP	2	HERBICIDE

AX SU RT WSG

HERBICIDE

FOR PREPLANT AND PREEMERGENCE WEED CONTROL IN FIELD CORN AND FOR PREPLANT WEED CONTROL IN COTTON AND SOYBEANS

ACTIVE INGREDIENTS:	% BY WT.
Rimsulfuron	16.7%
Thifensulfuron-methyl	16.7%
OTHER INGREDIENTS:	66.6%
TOTAL:	100.0%

**KEEP OUT OF REACH OF CHILDREN
CAUTION / PRECAUCIÓN**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail).

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300.

[SEE INSIDE BOOKLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS.]
[See inside booklet for additional Precautionary Statements and Directions for Use.]
[See inside label booklet for First Aid, Precautionary Statements and Directions for Use.]

EPA Reg. No.: 89167-RRA

EPA Est. No.: _____

NET CONTENTS: ____ [Oz.] [Lbs.]

Manufactured For:
AXION AG PRODUCTS, LLC
1880 Fall River Drive, Suite 100
Loveland, CO 80538

032922V2

FIRST AID	
IF IN EYES:	<ul style="list-style-type: none"> • Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after first 5 minutes; then continue rinsing eyes. • Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING	<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 a 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.
NOTE TO PHYSICIAN	
If this product is ingested, endotracheal intubation and gastric lavage should be performed as soon as possible, followed by charcoal and sodium sulfate administration.	
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergencies call the poison control center at 1-800-222-1222 . For non-emergency resource information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 Monday – Friday 8 am – Noon Pacific Time, (NPIC Web site: www.npic.orst.edu). For Chemical Spill, Leak, Fire or Exposure, call CHEMTREC 800-424-9300 .	

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION

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 PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

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

User Safety Requirements

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls Statement

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.

Important: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "Applicators and Other Handlers" and have such PPE immediately available for use in an emergency, including a spill or equipment breakdown.

USER SAFETY RECOMMENDATIONS	
Users should:	<ul style="list-style-type: none"> • Remove clothing/PE 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

DO NOT apply directly to water or to areas where surface water is present. **DO NOT** apply to intertidal areas below the mean high-water mark. **DO NOT** contaminate water by cleaning of equipment or disposal of equipment washwaters or rinsate.

Groundwater Advisory

This product is known to leach through soil into groundwater under certain conditions as a result of label use. This product may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

Surface Water Advisory

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features including ponds, streams, and springs will reduce the potential loading of this product from runoff water and sediment. Runoff of this product will be greatly reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

Non-target Organism Advisory

This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated area. Protect the forage and habitat of non-target organisms by minimizing spray drift. For further guidance and instructions on how to minimize spray drift, refer to the Spray Drift Management section of this label.

Windblown Soil Particles Advisory

This product has the potential to move off-site due to wind erosion. Soils that are subject to wind erosion usually have a high silt and/or fine to very fine sand fractions and low organic matter content. Other factors which can affect the movement of windblown soil include the intensity and direction of prevailing winds, vegetative cover, site slope, rainfall, and drainage patterns. Avoid applying this product if prevailing local conditions may be expected to result in off-site movement.

DIRECTIONS FOR USE

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

DO NOT use this product until you have read the entire label. **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 requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Read entire label. Use strictly in accordance with precautionary statements, restrictions and directions, and with applicable state and federal regulations.

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 intervals. 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 this restricted entry interval (REI) of 4 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, including plants, soil, or water, is:

- Coveralls

- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

PRODUCT INFORMATION

AX SU RT WSG is a water-soluble granule containing 33.4% active ingredient by weight. AX SU RT WSG is a selective herbicide for burndown and residual control of certain annual grass and broadleaf weeds when applied preplant or preemergence to field corn. It may also be applied 30 days or more preplant to cotton or soybeans for winter vegetation management. Residual weed control is dependent on rainfall or sprinkler irrigation for herbicide activation. AX SU RT WSG may be applied in tank mixtures with other herbicides labeled for use in the intended crop. However, in the case of tank mixes with other herbicides, the most restrictive label must be followed.

AX SU RT WSG is absorbed through the roots and leaf tissue of plants, rapidly inhibiting the growth of susceptible weeds. Rainfall or sprinkler irrigation is needed to move AX SU RT WSG into the soil. Susceptible weeds will generally not emerge from preemergence application. In some cases susceptible weeds may germinate and emerge a few days after application, but growth then ceases and leaves become chlorotic three to five days after emergence. Death of leaf tissue and growing point will follow in some species, while others will remain green but stunted and noncompetitive.

The herbicidal action of AX SU RT WSG may be less effective on weeds stressed from adverse environmental conditions (including extreme temperatures or moisture), abnormal soil conditions, or cultural practices.

Rate Summary for AX SU RT WSG

Rate of AX SU RT WSG	Pounds of Active Ingredient Rimsulfuron	Pounds of Active Ingredient Thifensulfuron - methyl
1.5 oz	0.016 lb ai	0.016 lb ai
2.0 oz	0.021 lb ai	0.021 lb ai
2.7 oz	0.028 lb ai	0.028 lb ai

Restrictions

Crops	Maximum Ounces of Product/ Acre/Single Application	Maximum Lb AI/ Acre/Single Application	Maximum Number of Applications per Year	Maximum Ounces of Product/ Acre/Year	Maximum Lb AI/A Per Year
Corn, Field	2.7	0.028 lb ai rimsulfuron + 0.028 lb ai thifensulfuron	1	2.7	0.028 lb ai rimsulfuron + 0.028 lb ai thifensulfuron
Cotton, Soy	2.0	0.021 lb ai rimsulfuron + 0.021 lb ai thifensulfuron	1	2.0	0.021 lb ai rimsulfuron + 0.021 lb ai thifensulfuron

- **DO NOT** plant cotton or soybeans less than 30 days following an application of 1.5 ounces (0.016 lb ai rimsulfuron and 0.016 lb ai thifensulfuron) per acre of this product or less than 60 days following an application of >1.5 to 2.0 ounces (0.016 – 0.021 lb ai rimsulfuron and 0.016 – 0.021 lb ai thifensulfuron) per acre.
- **DO NOT** plant field corn less than 30 days following an application of this product in the states of Florida east of US 231 and Georgia.
- **DO NOT** apply the organophosphate insecticide terbufos within 30 days of a preplant or premerge application of this product except in the states of Alabama, Florida and Georgia in which case do not apply the organophosphate insecticide terbufos within 45 days of a preplant or premerge application of this product since crop injury may result.

- **DO NOT** apply more than a total of 0.0625 pound active ingredient rimsulfuron per acre per year to field corn or soybeans from all rimsulfuron containing products. In soybeans this includes the preplant application of this product.
- **DO NOT** apply more than a total of 0.03125 pound active ingredient rimsulfuron per acre per year to cotton from all sources. This includes the preplant application of this product.
- **DO NOT** apply to coarse textured soils (sand, loamy sand or sandy loam) with less than 1% organic matter.
- **DO NOT** apply during a temperature inversion, when winds are gusty, or when conditions favor poor coverage and/or off target spray movement.
- **DO NOT** apply postemergence to any crop.
- **DO NOT** graze, feed forage, grain or fodder (stover) from treated areas to livestock within 30 days of AX SU RT WSG application.
- Injury or loss of desirable trees or vegetation may result from failure to observe the following:
- **DO NOT** apply this product or drain or flush application equipment on or near desirable trees or other plants, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots.
- **DO NOT** use on lawns, walks, driveways, tennis courts, or similar areas.
- **DO NOT** contaminate any body of water.

Precautions

- Allow at least 3 weeks between preemergence applications of this product and postemergence applications of rimsulfuron containing products.
- This product may interact with certain insecticides applied to soybean, cotton, or corn. Crop response varies with field crop, insecticide used, insecticide application method, and soil type.
- This product may be applied to crops previously treated with non-organophosphate (OP) soil insecticides regardless of soil type.
- Preplant/Preemergence applications of this product to corn where an application of an organophosphate or phorate is planned may cause unacceptable crop injury, especially on soils of less than 4% organic matter.
- Crop injury may occur following an application of this product if there is a prolonged period of cold weather and/or in conjunction with wet soils.
- Bedding flat ground or rebuilding beds in fields treated with this product may increase the potential of crop response due to an increased concentration of herbicide in the planting-seed zone.
- Prevent drift or spray to desirable plants.
- Thoroughly clean application equipment immediately after use. It is advised to flush the sprayer system and recharge with clean water when there are extended periods between applications of this product. See Sprayer Cleanup section of this label for instructions.

WEED RESISTANCE MANAGEMENT

For resistance management, this product is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to this product and other Group 2 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance-management strategies must be followed.

Weed Management

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

- Rotate the use of this product or other Group 2 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in the 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 and 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 including 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 or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact AXION AG PRODUCTS, LLC at 844-425-8488.

Management of Resistant Biotypes

Since the occurrence of resistant weeds cannot be determined until after product use and scientific confirmation, to the extent consistent with applicable law, manufacturer is not responsible for any losses that may result from the failure of this product to control resistant weed biotypes.

The following good agronomic practices are advised to reduce the spread of resistant biotypes:

- If a naturally occurring resistant biotype is present in your application site, this product must be tank-mixed or applied sequentially with an appropriately labeled herbicide with a different mode of action to achieve control.
- Cultural and mechanical control practices (e.g. crop rotation or tillage) may also be used as appropriate.
- Scout treated application site after herbicide applications and control escaping weeds including resistant biotypes before they set seed.
- Thoroughly clean equipment before leaving fields known to contain resistant biotypes.
- Contact your local sales representative, crop advisor, or extension agent to find out if suspected resistant weeds to these Mode of Actions have been found in your region. **DO NOT** assume that each listed weed is being controlled by multiple mechanisms of action. Co-formulated active ingredients are intended to broaden the spectrum of weeds that are controlled. Some weeds may be controlled by only one of the active ingredients in this product.

Integrated Pest (Weed) Management

This product may be integrated into an overall weed pest management strategy whenever the use of an herbicide is required. Practices known to reduce weed development (tillage, crop competition) and herbicide use (weed scouting, proper application timing, banding) must be followed wherever possible. Consult local agricultural and weed authorities for additional IPM strategies established for your area.

MANDATORY SPRAY DRIFT

Aerial Applications

- **DO NOT** release spray at a height greater than 10 feet above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- For applications prior to the emergence of crops and target weeds, applicators are required to use a Coarse or coarser droplet size (ASABE S572.1).
- For all other applications, applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- The boom length must not exceed 65% of the wingspan for airplanes or 75% of the rotor blade diameter for helicopters.

- Applicators must use 1/2 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.

Ground Boom Applications:

- Apply with the nozzle height specified by the manufacturer, but no more than 3 feet above the ground or crop canopy unless making a turf, pasture, or rangeland application, in which case applicators may apply with a nozzle height no more than 4 feet above the ground.
- For applications prior to the emergence of crops and target weeds, applicators are required to use a Coarse or coarser droplet size (ASABE S572.1).
- For all other applications, applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

Boom-less Ground Applications:

- Applicators are required to use a medium or coarser droplet size (ASABE S572.1) for all applications.
- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size – Ground Boom

- **Volume** - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- **Pressure** - Use the lowest spray pressure specified for the nozzle to produce the target spray volume and droplet size.
- **Spray Nozzle** - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

Controlling Droplet Size – Aircraft

- **Adjust Nozzles** - Follow nozzle manufacturers directions for setting up nozzles. To reduce fine droplets, nozzles must be oriented parallel with the airflow in flight.

Boom-less Ground Applications

- Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

Handheld Technology Applications

- Take precautions to minimize spray drift

BOOM HEIGHT – Ground Boom

Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, the boom must remain level with the crop and have minimal bounce.

RELEASE HEIGHT - Aircraft

Higher release heights increase the potential for spray drift. When applying aurally to crops, **DO NOT** release spray at a height greater than 10 feet above the crop canopy, unless a greater application height is necessary for pilot safety.

SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS. Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

Drift Control Additives

Using product compatible drift control additives can reduce drift potential. When a drift control additive is used, read and carefully observe cautionary statements and all other information on the additive's label. If using an additive that increases viscosity, ensure that the nozzles and other application equipment will function properly with a viscous spray solution. Preferred drift control additives have been certified by the Council of Producers & Distributors of Agrotechnology (CPDA).

APPLICATION INFORMATION

FIELD CORN - PREPLANT-PREEMERGENCE

Rate

Apply AX SU RT WSG at 1.5 to 2.7 ounces (0.016 – 0.028 lb ai rimsulfuron and 0.016 – 0.028 lb ai thifensulfuron) per acre.

Axion Ag Products specifies a use rate of 1.5 ounces (0.016 lb ai rimsulfuron and 0.016 lb ai thifensulfuron) per acre for most applications. Consult Axion Ag Products technical bulletins for additional application rates. See cumulative rimsulfuron rate limitations restrictions noted in this label. Not all field corn varieties have been tested; nor does Axion Ag Products have access to all seed company data. Consequently, Axion Ag Products is not responsible for any crop injury arising from the use of AX SU RT WSG on field corn. When tank mixing check the tank mix partner label for resistance and instructions for use. In addition; consult with your local Axion Ag Products representative for any additional supplemental labeling information relative to potential corn hybrid sensitivity to AX SU RT WSG.

Timing to Crop

AX SU RT WSG may be applied preplant after fall harvest through early spring, up to planting, whenever the ground is not frozen, to control emerged weeds and to provide limited residual control of early-emerging spring weeds. Additionally, AX SU RT WSG may be applied anytime after planting, but before corn emergence. **DO NOT** apply postemergence to corn.

In the states of Florida east of US 231, and Georgia, apply AX SU RT WSG at least 30 days prior to planting.

Control of emerged weeds will require the addition of spray adjuvants as noted in this label.

Sequential Application – AX SU RT WSG may be used in a sequential herbicide program for corn. Apply AX SU RT WSG for burndown and residual weed control, followed by a post, in-crop application of nicosulfuron + mesotrione, rimsulfuron + mesotrione, rimsulfuron + nicosulfuron or rimsulfuron + thifensulfuron methyl herbicides. Allow at least 3 weeks between preemergence applications of AX SU RT WSG and postemergence applications of rimsulfuron containing products, including rimsulfuron + mesotrione, rimsulfuron + nicosulfuron or rimsulfuron + thifensulfuron methyl. Refer to the appropriate product label for use restrictions, application information, rotational crop guidelines, and cautionary statements prior to application.

Additional Control of Grasses and Broadleaves

AX SU RT WSG may be tank mixed with preplant/preemergence grass and broadleaf herbicides such as atrazine, to provide added residual activity or burndown activity on emerged weeds. Consult tank mix partner labeling for rate and soil-type restrictions.

COTTON/SOYBEANS - PREPLANT ONLY

Rate

Apply AX SU RT WSG at 1.5 ounces (0.016 lb ai rimsulfuron and 0.016 lb ai thifensulfuron) per acre 30 days prior to planting.

Apply AX SU RT WSG at > 1.5 to 2.0 ounces (0.016 – 0.021 lb ai rimsulfuron and 0.016 – 0.021 lb ai thifensulfuron) per acre 60 days prior to planting.

If planting soybeans with BOLT® technology, apply AX SU RT WSG at 1.5 to 2.7 ounces (0.016 – 0.028 lb ai rimsulfuron and 0.016 – 0.028 lb ai thifensulfuron) per acre 0 days or more prior to planting. Refer to Rotational Crop Guidelines for additional rotational interval information.

Timing to Crop

AX SU RT WSG may be applied preplant after fall harvest through early spring 30 days or more prior to planting if using 1.5 ounces (0.016 lb ai rimsulfuron and 0.016 lb ai thifensulfuron) per acre or 60 days or more prior to planting if using >1.5 to 2.0 ounces (0.016 – 0.021 lb ai rimsulfuron and 0.016 – 0.021 lb ai thifensulfuron) per acre whenever the ground is not frozen, to control emerged weeds and to provide limited residual control of early-emerging spring weeds.

Additional Information - Soybeans:

Soybeans can be planted per the label guidelines following a AX SU RT WSG application provided any one of the following conditions is met:

- The soybean variety has a high degree of crop resistance to ALS inhibiting and/or sulfonylurea herbicides. Consult seed provider for confirmation.
- Soil has not been excessively cold and wet at time of planting early season soybeans. **DO NOT** plant soybeans to poorly drained soils under cool and excessively wet conditions. Soil temperature needs to be >50° F and the soil temperature needs to be trending warmer which is conducive to good early soybean growth.
- Field soil with pH 6.5 or less. Refer to "The Importance of Soil pH" for additional information.

If none of these conditions are met, extend soybean recrop interval to 10 months.

Sequential Application - Soybeans

AX SU RT WSG may be used in a sequential herbicide program in soybeans. Apply AX SU RT WSG for burndown and residual weed control 30 days or more prior to planting, followed by an appropriate application of herbicides registered for the same use and timing. Refer to the product labels for use restrictions, application information, rotational crop guidelines, and cautionary statements prior to application.

Additional Control of Grasses and Broadleaves

AX SU RT WSG may be tank mixed with herbicides registered for cotton or soybeans. Refer to the product labels for use restrictions, application information, rotational crop guidelines, and cautionary statements prior to application.

SPRAY ADJUVANTS

For control of emerged weeds, application of AX SU RT WSG must contain an appropriate adjuvant. If applied in tank mix combination with a glyphosate or glufosinate herbicide that contains a built-in adjuvant system, no additional surfactant needs to be added. Consult local Axion Ag Products fact sheets, technical bulletins, and service policies prior to using other adjuvant systems. Products must contain only EPA-exempt ingredients.

Petroleum Crop Oil Concentrate (COC) or Modified Seed Oil (MSO)

- Apply at 1% v/v (1 gallon per 100 gallons spray solution) or 2% under arid conditions.

- MSO adjuvants may be used at 0.5% v/v (0.5 gallon per 100 gallons spray solution) if specifically noted on adjuvant product labeling.
- Oil adjuvants must contain at least 80% high quality, petroleum (mineral) or modified vegetable seed oil with at least 15% surfactant emulsifiers.

Nonionic Surfactant (NIS)

- Apply at 0.25% v/v (1 quart per 100 gallons spray solution).
- Surfactant products must contain at least 60% nonionic surfactant with a hydrophilic/lipophilic balance (HLB) greater than 12.

Ammonium Nitrogen Fertilizer

In addition to a spray adjuvant, an ammonium nitrogen fertilizer may be used.

- Use 2 quarts per acre of a high-quality urea ammonium nitrate (UAN), for example, 28%N or 32%N, or 2 pounds per acre of a spray-grade ammonium sulfate (AMS).
- Special Adjuvant Types
- Combination adjuvant products may be used at doses that provide the required amount of NIS and ammonium nitrogen fertilizer. Consult product literature for use rates and restrictions.

Restrictions

- **DO NOT** use with spray additives that alter the pH of the spray solution below 5.0 or above 9.0 as rapid product degradation can occur. Spray solutions of pH 6.0 to 8.0 allow for optimum stability of this product.

TANK MIXTURES

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 limitation 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.

Tank Mix Compatibility Testing

Perform a jar test prior to tank mixing to ensure compatibility of AX SU RT WSG and other pesticides. Use a clear quart jar with lid and mix the tank mix ingredients in their relative proportions. Invert the jar containing the mixture several times and observe the mixture for approximately 1/2 hour. If the mixture balls-ups, forms flakes, sludge, gel, oily film or layers, or other precipitates, it is not compatible and the tank mix combination need not be used.

WEEDS CONTROLLED/SUPPRESSED

AX SU RT WSG may be tank mixed with 2,4-D, dicamba, glufosinate, glyphosate, paraquat and saflufenacil for improved control of the below emerged weed species when applied preplant or preemergence. For application methods and other use specifications use the most restrictive label directions for the intended combination.

Broadleaf & Grass Weeds	Burndown AX SU RT WSG Alone	Burndown AX SU RT WSG tank mixed with glyphosate + 2,4-D or dicamba	Residual AX SU RT WSG Alone
Alfalfa, volunteer	C	C	NC
Barley, volunteer	C	C	S
Barnyardgrass	C	C	C
Bluegrass, annual	C	C	C
Buckwheat, common	C	C	NC
Buttercup, smallflower	C	C	NC
Carpetweed	NC	C	S
Canada thistle	S	C	NC
Chamomile, false	NC	C	C

Chickweed (common, mouseear)	C	C	NC
Cocklebur	S	C	S
Crabgrass	C ¹	C	S
Cupgrass, woolly (1")	C	C	NC
Curly Dock	C	C	NC
Dandelion (6" diameter)	C	C	NC
Eveningprimrose, cutleaf	C ²	C	NC
Field pennycress	C	C	NC
Filaree, redstem	NC	C	C
Foxtail (bristly, giant, green, yellow)	C	C	C
Geranium, Carolina	C	C	NC
Groundsel, common	C	C	NC
Henbit	C	C	C
Knotweed, prostrate	C	C	NC
Jimsonweed	NC	C	S
Johnsongrass, seedling	S	C	NC
Kochia	C ³	C	C ³
Lambsquarters, common	C	C	C
Marestail (Horseweed)	S	C	C ³
Millet, wild proso	S	C	NC
Morningglory, ivyleaf	S	C	S
Mustard (birdsrape, black)	C	C	C
Mustard, wild	C	C	NC
Nightshade, hairy	S	C	S
Nightshade, black	NC	C	S
Palmer amaranth	NC	C ⁴	S ⁴
Panicum, fall	C	C	S
Pigweed (prostrate, redroot, smooth)	C ⁴	C	C
Purslane, common	S	C	C
Quackgrass	S	C	NC
Ragweed, common	S	C	S
Russian thistle, seedling	NC	C	S
Ryegrass, Italian	S ⁴	C	S ⁴
Sandbur (field, longspine)	NC	C	NC
Shattercane (4")	C	C	NC
Shepherd's purse	C	C	NC
Signalgrass, broadleaf	S	C	C
Smartweed, Pennsylvania	C	C	S
Smartweed, Ladysthumb	C	C	NC
Stinkgrass	S	C	NC
Velvetleaf	C	C	S
Wallflower, bushy	C	C	NC
Wheat, volunteer	C	C	C

Wild buckwheat	NC	C	NC
Wild oat	S	C	S
Wild radish	C	C	NC
Yellow nutsedge	S	C	NC
C= Control S= Suppression NC = No Control 1 = <1/2 inch 2 = Must add 2,4D LVE or dicamba for control 3 = ALS Sensitive 4 = Resistant biotypes are known to occur			

Mixing Instructions

Fertilizer Carrier Instructions

AX SU RT WSG may be dissolved in water and added to liquid fertilizer for preemergence application. When using liquid fertilizer as the carrier, always dissolve AX SU RT WSG in clean water before adding to fertilizer solutions. Add the AX SU RT WSG solution to the final complete liquid fertilizer mixture – **DO NOT** add this product during the fertilizer mixing process. Always use good agitation while adding the dissolved NUP-18051 solution to liquid fertilizers and maintain good agitation until sprayed. When using liquid fertilizer as the carrier, conduct a compatibility test with all components prior to mixing. **DO NOT** use with spray additives or liquid fertilizer carriers that alter the pH of the spray solution below pH 5.0 or above pH 9.0 as rapid product degradation can occur. Spray solutions of pH 6.0 to 8.0 allow for optimum stability of this product.

Water Carrier Instructions

1. Fill the tank 1/3 to 1/2 full of clean water only.
2. While agitating, add the required amount of AX SU RT WSG.
3. Continue agitation until the AX SU RT WSG is fully dissolved, at least 5 minutes. When the water temperature is 40°F or less, it is important to allow agitation and mixing to occur for the full 5 minutes to ensure the product is completely dissolved.
4. Once the AX SU RT WSG is fully dissolved, maintain agitation and continue filling tank with water. AX SU RT WSG needs to be thoroughly mixed and dissolved with water before adding any other materials including water conditioners or other additives.
5. As the tank is filling, add tank mix partners (if desired) in the proper mixing order.
6. Maintain agitation throughout mixing and application. If the mixture is not continuously agitated, settling of spray components could occur. If settling occurs, thoroughly re-agitate before using.
7. At the end of the day, or for extended periods of time between AX SU RT WSG applications, it is advised to flush boom hoses and lines of spray solution and recharge with clean water. This will aid in proper sprayer cleanout when concluding AX SU RT WSG applications before moving on to spray other products/crops.
8. Apply AX SU RT WSG spray mixture within 48 hours of mixing to avoid product degradation. If the selected companion herbicide has a ground or surface water advisory, consider this advisory when using the companion herbicide.

Ground Application

Use a minimum of 15 gallons of water per acre (GPA) to ensure thorough coverage of the weeds and the best performance. Use a minimum of 10 GPA for light, scattered stands of weeds. Heavy crop residues may reduce burndown control of emerged weeds if residues impede spray coverage. Higher spray volumes and pressures can improve burndown control in heavy crop residue situations. Refer to “**SPRAY DRIFT MANAGEMENT**” section.

Aerial Application

Use nozzle types and arrangements that will provide optimum spray distribution and maximum coverage at a minimum of 5 GPA. Refer to “**SPRAY DRIFT MANAGEMENT**” section.

ROTATIONAL CROP GUIDELINES

The following rotational intervals must be observed:

1.5 OUNCES PER ACRE MAXIMUM USE RATE

Rotation Crop	Interval (months)
Corn, field	Anytime
Soybeans with BOLT® Technology	Anytime
Potatoes	1
Cotton*	1
Soybeans*	1
Tomato	1
Cereals, Winter	3
Cereals, Spring	9
Alfalfa	10
Canola	10
Corn, pop, seed or sweet	10
Cucumber	10
Flax	1.5
Peas	10
Rice	10
Red Clover	10
Sorghum	10
Snap beans, dry beans	10
Sunflower	10
Sugarbeets	10
Sugarcane	4†
Sweet potatoes/yams**	1.5
Tobacco	1.5
Crops Not Listed	18
Corn, field	Anytime

* In the states of Illinois, Oklahoma and Texas west of I-35 (not including the counties containing I-35) the rotational interval to cotton and soybeans is 10 months. In the state of Virginia the soybean rotational interval is 2 months. In the state of Missouri, excluding the bootheel, the soybean rotational interval south of I-70 is 2 months and north of I-70 is 10 months. Sulfonyleurea resistant soybean rotational interval is one month. Refer to **Additional Information – Soybeans** section of the label.

**On soils with pH 6.5 or less.

† Only for the state of Louisiana. Recrop to sugarcane in all other states is 18 months.

GREATER THAN 1.5 OUNCES PER ACRE UP TO 2.7 OUNCES PER ACRE MAXIMUM USE RATE

Rotation Crop	Interval (months)
Corn, field	Anytime
Soybeans with BOLT® Technology	Anytime
Potatoes	1
Tomato	1
Sulfonyleurea Resistant Soybean	1
Cereals, Winter	4
Cereals, Spring	9
Corn pop, seed or sweet	10
Cotton†*	10
Cucumber	10
Flax	10
Soybeans*	10
Snap beans, dry beans	10
Sunflower	10

Crops Not Listed	18
<p>† The rotation interval must be extended to 18 months if drought conditions prevail after application and before the rotational crop is planted, unless sprinkler irrigation has been applied and totals greater than 15 inches during the growing season.</p> <p>* If a maximum use rate of 2.0 ounces (0.021 lb ai rimsulfuron and 0.021 lb ai thifensulfuron) per acre is used the rotational interval is 2 months except in the states of Illinois, Missouri excluding the bootheel, Oklahoma, Texas or Virginia.</p>	

SPRAYER PREPARATION/CLEANUP

The spray equipment must be cleaned before AX SU RT WSG is sprayed. Follow the cleanup procedures specified on the labels of the previously applied products.

When spraying or mixing equipment will be used over an extended period to apply multiple loads of AX SU RT WSG, partially fill the tank with fresh water at the end of each day of spraying, flush the boom and hoses, and allow to sit overnight.

To avoid subsequent injury to desirable crops, thoroughly clean all mixing and spray equipment immediately following applications of AX SU RT WSG as follows:

1. Empty the tank and drain the sump completely.
2. Spray the tank walls with clean water using a minimum volume of 10% of the tank volume. Circulate the water through the lines, including all by-pass lines, for at least two minutes. Flush the boom well and empty the sprayer. Completely drain the sump.
3. Repeat step 2.
4. Remove the nozzles, screens, and the end caps of sprayer booms and clean separately in a bucket containing water. The rinsate solution may be applied back to the crop(s) listed on this label. **DO NOT** exceed the maximum labeled use rate. If cleaners are used, consult the cleaner label for rinsate disposal instructions. If no instructions are given, dispose of the rinsate on site or at an approved waste disposal facility.

Notes:

1. Always start with a clean spray tank, hoses, boom and nozzles. Ensure boom sections between end nozzles and the end of the boom are clean of deposits (It is directed to remove end caps and visually inspect). If needed, thoroughly flush rinse water through the boom sections with the end caps removed to ensure booms are clean and free of any residue or deposits.
2. Steam-cleaning aerial spray tank is advised to facilitate the removal of any caked deposits.
3. When AX SU RT WSG is tank mixed with other pesticides, all cleanout procedures for each product need to be examined and the most rigorous procedure need to be followed.
4. Follow any pre-cleanout guidelines directed on other product labels.

THE IMPORTANCE OF SOIL PH

Soil pH varies greatly, even within the same field. PH variations as much as 2 pH units are common. Composite soil samples taken across an entire field, including those samples taken for soil fertility specifications, may not detect areas of high pH. Sub-sampling is advised for areas likely to have pH values higher than the field average. The following is a non-inclusive list of potential high pH areas where subsampling is advised.

- Where different soil types are evident within a field, sample soil types separately.
- Where conditions vary within a field, sample areas separately, for example, areas bordered by limestone gravel roads, river bottoms subject to flooding, low areas in hardpan soils where evaporative ponds may occur, eroded hillsides, along drain tile lines, and areas where drainage ditch spoil has been spread.
- Where lime has not been deeply incorporated, soil may exhibit significantly higher pH values in the upper 3 inches of soil. Composite soil samples taken at a 6-8 inch depth may not reflect the elevated pH near the surface. In these cases, shallow sampling the upper 3 inches, is advised.
- Determine soil pH by laboratory analysis using a 1:1 soil:water suspension.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store product in original container only. **DO NOT** contaminate water, other pesticides, fertilizer, food or feed in storage. Store in a cool, dry place.

Pesticide Disposal: **DO NOT** contaminate water, food, or feed by disposal. Waste resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Handling:

NONREFILLABLE PLASTIC CONTAINER (EQUAL TO OR LESS THAN 50 POUNDS): **DO NOT** reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank 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. Offer for recycling, if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

NONREFILLABLE PLASTIC CONTAINER (GREATER THAN 50 POUNDS): **DO NOT** reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling, if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Pressure rinse as follows (all sizes): Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

REFILLABLE PLASTIC CONTAINER: 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 from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. After triple rinsing is complete, and the container is not suitable for refilling or reconditioning, offer the container for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

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

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of AXION AG PRODUCTS, LLC or Seller, TO THE EXTENT CONSISTENT WITH APPLICABLE LAW All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold AXION AG PRODUCTS, LLC and Seller harmless for any claims relating to such factors.

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