



U.S. ENVIRONMENTAL PROTECTION AGENCY

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

EPA Reg. Number:

83529-260

Date of Issuance:

7/24/26

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Sharda Fluometuron 41.7% SC

Name and Address of Registrant (include ZIP Code):

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

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

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

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.
2. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. You have 18 months from the date of registration to provide these data.

Continues page 2

Signature of Approving Official:

Emily Schmid

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

Date:

7/24/26

3. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 83529-260."
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 FIFRA 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) lists 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.

The alternate brand names "**Sharda Fluometuron 4SC**", "**SHOTARAN 4SC**", and "**ALGODRAN**" has been added to the product record.

The record for this product currently contains the following CSF(s):

- Basic CSF dated 07/02/2026
- Alternate CSF 1 dated 07/02/2026

If you have any questions, please contact Margaret Golembiewski at (202)566-0304 or at golembiewski.margaret@epa.gov.

Enclosure

MASTER LABEL

FLUOMETURON	GROUP	5	HERBICIDE
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Sharda Fluometuron 41.7% SC

[ABN: SHOTARAN 4SC]
[Sharda Fluometuron 4SC]
[ABN: ALGODRAN]

For Weed Control in Cotton.

ACTIVE INGREDIENT:***% BY WT.**Fluometuron: 1,1-dimethyl-3-(α , α , α -trifluoro-m-tolyl) urea 41.7%**OTHER INGREDIENTS:** 58.3%**TOTAL:** 100.0%

*Contains 4 lbs. active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN CAUTION

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

FIRST AID	
IF SWALLOWED:	- Call a poison control center or doctor immediately for treatment advice. - Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless told to do so by a poison control center or doctor. DO NOT give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	- Take off contaminated clothing. - Rinse skin immediately with plenty of water for 15-20 minutes. - Call a poison control center or doctor for treatment advice.
IF INHALED:	- Move person to fresh air. - If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably 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 treatment advice.
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For 24 Hour Medical Emergency Assistance (Human or Animal), or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call 1-800-222-1222 .	
NOTE TO PHYSICIAN	
If this product is ingested, lavage stomach or induce vomiting. A slurry of activated charcoal in water can be left in the stomach. Give a saline laxative and supportive therapy.	

[Optional referral statements when booklets and container labels are used:

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

EPA Reg. No. 83529-XXX

EPA Est. No. XXXXX-XX-XXX

Manufactured for:

Sharda USA LLC


 7217 Lancaster Pike, Suite A
Hockessin, Delaware 19707
ACCEPTED**7/24/2026**
 Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No.
83529-260

Net Contents: _____ [Gals./L]

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed, absorbed through skin, or inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. 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. Wear long-sleeved shirt and long pants, socks, shoes, and appropriate chemical-resistant gloves made of barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, or Viton ≥ 14 mils. Wear protective eyewear.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers and loaders using aerial application must wear:

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves made of barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, or Viton ≥ 14 mils
- Chemical-resistant footwear plus socks
- Chemical-resistant apron

All other mixers, loaders, applicators, flaggers, and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes and socks
- Chemical-resistant gloves (except applicators and flaggers)

See **ENGINEERING CONTROLS** section for additional requirements and options.

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. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. **DO NOT** reuse them.

ENGINEERING CONTROLS

When handlers use closed systems or enclosed cabs 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.

Enclosed Cockpits for Aerial Applicators Engineering Controls: Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(6)].

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 such as a spill or equipment breakdown.

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

ENVIRONMENTAL HAZARDS

Fluometuron is known to leach through soil into groundwater under certain conditions, including karst, geology areas, as a result of registered uses. Use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. **DO NOT** apply directly to water, to areas where surface water is present, or to intertidal areas below the mean highwater mark. **DO NOT** contaminate water when cleaning equipment or disposing of equipment wash waters or rinsate.

Groundwater Advisory

DO NOT apply within 100 feet of any well used for potable water. **DO NOT** apply to fields with dewatering or agricultural drainage wells. **DO NOT** apply this product within 100 feet from the edge of areas containing karst topographical features containing sinkholes, caverns, springs, and sinking or disappearing streams. **DO NOT** apply this product where soils are Hydrologic Group A or B, which are soils with less than 20% clay.

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 site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

DIRECTIONS FOR USE

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

Sharda Fluometuron 41.7% SC is a suspension concentrate containing 4 pounds of active ingredient per gallon of product.

Restrictions:

- **DO NOT** apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.
- **DO NOT** apply this product through any type of irrigation system.
- **DO NOT** apply this product by high volume wand/handgun equipment (e.g., mechanically pressurized handgun).

AGRICULTURAL USE REQUIREMENTS

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

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

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

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

- Coveralls worn over a short-sleeved shirt and short pants
- Chemical-resistant gloves made of barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, or Viton ≥ 14 mils
- Chemical-resistant footwear plus socks
- Protective eyewear

INTEGRATED PEST MANAGEMENT

This product may be applied as part of an Integrated Pest Management (IPM) program that can include biological, cultural, and genetic practices aimed at preventing economic pest damage. IPM principles and practices include field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult Your State Cooperative Extension service, professional consultants, or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop systems in your area.

WEED RESISTANCE MANAGEMENT

For resistance management, **Sharda Fluometuron 41.7% SC** is a Group 5 herbicide. Any weed population may contain or develop plants naturally resistant to **Sharda Fluometuron 41.7% SC** and other Group 5 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance management strategies should be followed.

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

- Rotate the use of **Sharda Fluometuron 41.7% SC** or other Group 5 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 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 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 Sharda USA LLC representatives at (302) 635-7632. In addition to the guidance above, registrants are encouraged to incorporate the appropriate elements of Best Management Practices from HRAC and WSSA on the label.

MANDATORY SPRAY DRIFT MANAGEMENT

Aerial Applications:

- **DO NOT** release spray at a height greater than 10 ft above the ground or vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators must select nozzle and pressure that deliver medium or coarser droplets in accordance with American Society of Agricultural & Biological Engineers Standard 641 (ASABE S641). If the windspeed is 10 miles per hour or less, applicators must use $\frac{1}{2}$ swath displacement upwind at the downwind edge of the field. When the windspeed is between 11-15 miles per hour, applicators must use $\frac{3}{4}$ swath displacement upwind at the downwind edge of the field.
- **DO NOT** apply when wind speeds exceed 15 mph at the application site. If the windspeed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters.
- **DO NOT** apply during temperature inversions.

Ground Boom Applications:

- **DO NOT** release spray at a height greater than 4 feet above the ground or crop canopy.
- Applicators must select nozzle and pressure that deliver medium or coarser droplets in accordance with American Society of Agricultural & Biological Engineers Standard 572 (ASABE S572).
- **DO NOT** apply when wind speeds exceed 15 mph 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.

Techniques for Controlling Droplet Size:

- **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 greater spray volume is needed, consider using a nozzle with higher flow rate.
- **Pressure** - Use the lowest spray pressures recommended for the nozzle to produce the target spray volume and drop size.
- **Spray Nozzle** - 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.

Controlling Droplet Size - Aircraft

- **Adjust Nozzles** - Follow nozzle manufacturers' recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

Boom Height – Ground Boom

For ground equipment, the boom should remain level with the crop and have minimal bounce.

RELEASE HEIGHT – Aircraft - Higher release heights increase the potential for spray drift.

Shielded Sprayers - Shielding the boom or individual nozzles can reduce the effects of wind. However, it is the responsibility of the applicator to verify that the shields are preventing drift and not interfering with uniform deposition of the product.

Temperature and Humidity - When making applications in hot and dry conditions, set up equipment to produce larger droplets to reduce effects of evaporation.

Temperature Inversions - Drift potential is high during a temperature inversion. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by increasing temperature 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.

Wind - Drift potential increases at wind speed. Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

APPLICATION DIRECTIONS

Sharda Fluometuron 41.7% SC controls annual grasses and annual broadleaf weeds in cotton, including:

Annual Grass Weeds

Barnyardgrass	Foxtail
Crabgrass	Goosegrass
Crowfootgrass	Ryegrass
Fall panicum	Signalgrass (<i>Brachiaria</i>)

Annual Broadleaf Weeds

Buttonweed	Pigweed
Cocklebur	Prickly sida (teaweed)
Florida pusley	Purslane
Groundcherry (Wright)	Ragweed
Jimsonweed	Sesbania
Lambsquarters	Sicklepod
Marestail (Horseweed)	Smartweed
Morningglory	Tumbleweed

Sharda Fluometuron 41.7% SC applied at 4 pts. per acre is not effective in controlling established perennial weeds such as Johnsongrass from rhizomes.

Cotton

Apply **Sharda Fluometuron 41.7% SC** pre-plant, pre-emergence, and post-emergence.

Table 1. Application Soil Restrictions

Broadcast Rates per Pints per Acre of Sharda Fluometuron 41.7% SC and Active Ingredient Equivalent			
Soil Texture	Maximum One-Time Application Rate	Annual Maximum Number of Applications per Year	Annual Maximum Application Rate
Sand, loamy sand, and sandy loam soils	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
Loam, silt loam, silt, sandy clay loam, silty clay loam, and clay loam soils	3.2 pts. (1.6 lbs. a.i./A)	2	6 pts. (3 lbs. a.i./A)
Sandy clay, silty clay, and clay soils	4 pts. (2 lbs. a.i./A)	2	6 pts. (3 lbs. a.i./A)

For pre-plant and pre-emergence treatment only, tank mix **Sharda Fluometuron 41.7% SC** with most liquid nitrogen fertilizers. **Sharda Fluometuron 41.7% SC** can be combined with other herbicides in cotton as directed in the **COMBINATIONS** section.

Pre-Plant/Pre-Emergence Precautions

Sharda Fluometuron 41.7% SC used pre-plant or pre-emergence in combination with a soil-applied organophosphate insecticide applied at planting can result in cotton injury. **DO NOT** apply **Sharda Fluometuron 41.7% SC** to cotton in combination with any product containing clomazone. To the extent consistent with applicable law, Sharda USA LLC will not be held responsible for losses or damage resulting from such uses of this product with any clomazone-containing product. Rainfall that is sufficient to germinate seeds or for growing crops is adequate to activate the herbicidal activity of **Sharda Fluometuron 41.7% SC**. The herbicidal activity of **Sharda Fluometuron 41.7% SC** may be delayed or reduced under dry weather conditions. Cultivate if weeds develop.

Pre-Plant/Pre-Emergence Restrictions

- DO NOT** apply more than the maximum one-time application rates shown for the different types of soils in Table 1 above.
- DO NOT** apply more than the maximum annual application rates shown for the different types of soils in Table 1 above.
- DO NOT** make a second application of **Sharda Fluometuron 41.7% SC** earlier than 20 days following the initial application.
- DO NOT** make more than 2 applications of **Sharda Fluometuron 41.7% SC** to the same crop in the same field in any given year.
- AZ and NM: DO NOT** apply within 60 days of harvest. **DO NOT** feed foliage from treated cotton plants to livestock.
- DO NOT** plant crops other than cotton after the last application of **Sharda Fluometuron 41.7% SC** without the following plantback intervals or crop injury may occur.

Plantback intervals for the following crops (except for AZ and NM):

Wheat:	3 months
Corn (field, sweet) and peanuts:	8 months
Rice, grain sorghum, and soybeans:	9 months
All other crops:	12 months

Additional State and Local Requirements

Applicators must follow all State and local pesticide drift requirements regarding application of products containing Fluometuron. Where states have more stringent regulations, they must be observed. Before applying **Sharda Fluometuron 41.7% SC**, refer to Table 1 in the **Application Soil Restrictions** section for specific application rate/soil restrictions.

AZ and NM only: Cotton, corn, and grain sorghum can be planted the next spring. **DO NOT** plant treated areas to other crops until 1 year after last application.

West TX only: **DO NOT** use **Sharda Fluometuron 41.7% SC** on cotton planted in furrows.

Pre-Plant Treatment (except AZ and NM)

Sharda Fluometuron 41.7% SC may be applied for burndown of existing annual weeds and residual control of weeds prior to planting cotton. Apply 2 – 4 pts. (1-2 lbs. a.i.) per acre of **Sharda Fluometuron 41.7% SC** 15 to 75 days prior to anticipated planting. Use the lower rate on light silt and sandy soils low in organic matter. Apply before weeds germinate or before weed seedlings are more than 2 inches tall. If weeds are emerged prior to application, add a surfactant. When emerged weeds are taller than 2 inches, or weeds not listed on the **Sharda Fluometuron 41.7% SC** label are present, **Sharda Fluometuron 41.7% SC** may be tank mixed with other products registered for pre-plant applications in cotton. Consult tank mix product labels for specific rate instructions and precautions. Early pre-plant applications may require additional weed control before planting. Refer to Table 1 in the **Application Soil Restrictions** section for specific application rate/soil restrictions before applying **Sharda Fluometuron 41.7% SC**.

It is the pesticide user's responsibility to ensure that all products in the listed mixtures 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 and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

Pre-emergence applications of herbicides with a similar mode of action (such as diuron) following a pre-plant application of **Sharda Fluometuron 41.7% SC** may result in cotton injury. This is most critical where applications of **Sharda Fluometuron 41.7% SC** are made less than 30 days pre-plant, on coarse-textured soils, and on soils low in organic matter.

Marestail (Horseweed): For improved residual control of marestail, apply a pre-plant burndown tank mix of glyphosate plus diglycolamine (DGA) salt of dicamba plus **Sharda Fluometuron 41.7% SC**, or glufosinate ammonium plus **Sharda Fluometuron 41.7% SC**.

Pre-Plant Incorporated Use (AZ and NM)

Apply 3.2 pts. (1.6 lbs. a.i.) per acre of **Sharda Fluometuron 41.7% SC** pre-plant as a broadcast spray after the beds for pre-plant irrigation are formed. Apply before the beds are dragged off (use a bed shaper set to remove 1 – 2 inches from beds) in preparation for planting. Furrow irrigation must precede the application and planting must follow as soon as possible. Plant into untreated soil after drag-off and return treated soil to the beds when furrows are reformed. **DO NOT** allow furrow irrigation water to pond over the beds. Before applying **Sharda Fluometuron 41.7% SC**, refer to Table 1 in the **Application Soil Restrictions** section for specific application rate/soil restrictions.

Pre-Emergence Treatment

Apply 2 – 4 pts. (1-2 lbs. a.i.) **Sharda Fluometuron 41.7% SC** per acre. Use the lower rate on light silt and sandy soils low in organic matter. Before applying **Sharda Fluometuron 41.7% SC**, refer to Table 1 in the **Application Soil Restrictions** section for specific application rate/soil restrictions.

Plantback intervals must be as follows:

- Wheat: 3 months
- Corn (field, sweet) and peanuts: 8 months
- Rice, grain sorghum, and soybeans: 9 months
- All other crops: 12 months

Post-Emergence Treatments

Sharda Fluometuron 41.7% SC may be applied post-emergence to cotton, but pre-emergence to weeds or post-emergence to both cotton and weeds. Apply 2 – 4 pts. (1-2 lbs. a.i.) per acre of **Sharda Fluometuron 41.7% SC**. Apply as a directed, semi-directed, or over-the-top spray. Apply **Sharda Fluometuron 41.7% SC** to cotton plants at any stage of growth from 3 inches high to layby. Use the higher rate when applying post-emergence to weeds; weeds must be no taller than 2 inches. Post-emergence herbicidal activity of **Sharda Fluometuron 41.7% SC** can be enhanced by using a surfactant that is FDA-approved for use on food and feed crops and is compatible with **Sharda Fluometuron 41.7% SC**. The surfactant rate must not exceed 0.5% of the carrier volume (1 pt. per 25 gals. of water). Before applying **Sharda Fluometuron 41.7% SC**, refer to Table 1 in the **Application Soil Restrictions** section for specific application rate/soil restrictions.

Post-Emergence Restrictions

- **DO NOT** apply more than the maximum one-time application rates shown for the different types of soils in Table 1 above.
- **DO NOT** apply more than the maximum annual application rates shown for the different types of soils in Table 1 above.
- **DO NOT** make a second application of **Sharda Fluometuron 41.7% SC** earlier than 20 days following the initial application.

- **DO NOT** make more than 2 applications of **Sharda Fluometuron 41.7% SC** to the same crop in the same field in any given year.
- **AZ and NM: DO NOT** apply within 60 days of harvest. **DO NOT** feed foliage from treated cotton plants to livestock.
- **DO NOT** apply to weeds taller than 2 inches.
- **DO NOT** plant crops other than cotton after the last application of **Sharda Fluometuron 41.7% SC** without the following plantback intervals or crop injury may occur.

Plantback intervals for the following crops (except for AZ and NM):

Wheat:	3 months
Corn (field, sweet) and peanuts:	8 months
Rice, grain sorghum, and soybeans:	9 months
All other crops:	12 months

COMBINATIONS

It is the pesticide user's responsibility to ensure that all products in the mixtures 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 and precautionary language for each of the products in the mixture.

Products of pyriithiobac sodium: A program of pyriithiobac sodium applied according to label directions plus **Sharda Fluometuron 41.7% SC** at 2 – 4 pts. (1-2 lbs. a.i.) per acre applied pre-emergence followed by pyriithiobac sodium early post-emergence can be used for improved control of bristly starbur, coffee senna, common ragweed, Florida beggarweed, hemp sesbania, jimsonweed, ladythumb, smartweed, lambsquarters, annual morningglory (cypressvine, entireleaf, ivyleaf, pitted, purple, red/scarlet, sharppod/cotton, smallflower), Pennsylvania smartweed, pigweed (red root, smooth, spiny), prickly sida, spotted spurge, spurred anoda, velvetleaf, and for suppression of palmer pigweed. On light silt and sandy soils low in organic matter, use the lower rate. Before applying **Sharda Fluometuron 41.7% SC**, refer to Table 1 in the **Application Soil Restrictions** section for specific application rate/soil restrictions.

Specific Weed Problems (Sicklepod, Wild Poinsettia, Yellow Nutsedge)

For improved control of the above weeds and other labeled weeds that often occur in high populations and/or have multiple seasonal flushes, a program of pyriithiobac sodium at applied according to label directions plus **Sharda Fluometuron 41.7% SC** at 2 – 4 pts. (1-2 lbs. a.i.) per acre applied pre-emergence followed by a post-emergence application of pyriithiobac sodium alone or in combination with MSMA or DSMA is recommend. On light silt and sandy soils low in organic matter, use the lower rate. Before applying **Sharda Fluometuron 41.7% SC**, refer to Table 1 in the **Application Soil Restrictions** section for specific application rate/soil restrictions.

Products containing Metolachlor

Use in a tank mixture with **Sharda Fluometuron 41.7% SC** pre-emergence in cotton for control of all weeds as listed on both labels. This combination will also control spotted spurge, hyssop spurge, nodding spurge, and prostrate spurge. Apply to the soil surface at planting or after planting, but before weeds or crops emerge, using the appropriate rates from the metolachlor label and the following table.

It is the pesticide user's responsibility to ensure that all products in the listed mixtures 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 and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

Sharda Fluometuron 41.7% SC - Cotton Broadcast Rates per Acre when Applied with Parallel PCS or Other Metolachlor Products According to Label Directions

Soil Texture	Sharda Fluometuron 41.7% SC (pts.)
Sand, loamy sand	NOT PERMITTED
Sandy loam	NOT PERMITTED
Loam, silt loam, silt	2.0 - 3.2 (1- 1.6 lbs. a.i.)
Fine soil	3.2 - 4.0 (1.6 -2 lbs. a.i.)

Combination Precautions:

- The use of **Sharda Fluometuron 41.7% SC** pre-plant or pre-emergence in conjunction with a soil-applied organophosphate insecticide at planting may result in injury to cotton.

Combination Restrictions:

- **DO NOT** apply **Sharda Fluometuron 41.7% SC** + metolachlor products on sand or loamy sand soils or in areas where water is likely to "pond" over the bed or crop injury may occur.
- **DO NOT** apply broadcast to furrow-planted cotton.
- **DO NOT** apply **Sharda Fluometuron 41.7% SC** to cotton with any application of clomazone herbicide. To the extent consistent with applicable law, Sharda USA LLC will not be held responsible for losses or damage resulting from such uses.
- **DO NOT** use on Taloka silt loam, or crop injury may occur. Before applying **Sharda Fluometuron 41.7% SC**, refer to Table 1 in the **Application Soil Restrictions** for specific application rate/soil restrictions.

- **DO NOT** feed treated forage to livestock or graze treated areas.

Refer to the appropriate metolachlor label for further instructions, precautions, and limitations.

Rotational Crops: Refer to the crop rotation instructions for **Sharda Fluometuron 41.7% SC** alone on this label and for metolachlor alone on the Parallel PCS or other metolachlor product label.

Products containing trifluralin: Use in a tank mixture with **Sharda Fluometuron 41.7% SC** (all areas except AZ) or before an overlay with **Sharda Fluometuron 41.7% SC** in cotton for control of all weeds listed on both labels.

For the tank mixture, follow soil preparation and incorporation procedures for Trifluralin products. Apply **Sharda Fluometuron 41.7% SC** at rates specified below in a minimum of 15 gallons of water per acre tank mixed with trifluralin according to label directions.

Sharda Fluometuron 41.7% SC - Cotton (all areas except AZ) Broadcast Rates per Acre when Applied with Trifluralin Products According to Label Directions

Soil Texture	Broadcast Rates Per Acre
	Sharda Fluometuron 41.7% SC
Sand, loamy sand, sandy loam	NOT PERMITTED
Loam, silty clay loam*, silt loam, silt, sandy clay loam*, clay loam	3.2 pts. (1.6 lbs. a.i.)
Clay, clay loam, silty clay loam*, silty clay, sandy clay, sandy clay loam*	4 pts. (2 lbs. a.i.)

*Silty clay loam and sandy clay loam are transitional soils. If these soils are predominantly sand or silt, they are usually classified as medium-textured soils. If predominantly clay, they are classified as fine-textured soils.

For the overlay, apply **Sharda Fluometuron 41.7% SC** as a pre-emergence soil surface treatment as specified on this label at 2 - 4 pts. per acre after a pre-plant soil incorporated treatment of Trifluralin product. Apply Trifluralin product as specified on its label.

Sharda Fluometuron 41.7% SC + Trifluralin Restrictions:

- **DO NOT** use the tank mix in AZ. **DO NOT** apply the tank mix of **Sharda Fluometuron 41.7% SC** + Trifluralin in liquid fertilizer.
- Refer to the Trifluralin label for directions, precautions, and limitations for use of that product as well as the directions, precautions, and limitations on this **Sharda Fluometuron 41.7% SC** label. It is the pesticide user's responsibility to ensure that all products in the listed mixtures 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 and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).
- Before applying **Sharda Fluometuron 41.7% SC**, refer to Table 1 in the **Pre-Plant/Pre-Emergence Restrictions** for specific application rate soil restrictions.

Pendimethalin products: Apply **Sharda Fluometuron 41.7% SC** as a pre-emergence surface treatment as specified on this label at 2 – 4 pts. (1-2 lbs. a.i.) per acre after a pre-plant treatment of appropriate pendimethalin product for control of all weeds listed on both labels. Refer to the pendimethalin product label for directions, precautions, and limitations for use of that product. Before applying **Sharda Fluometuron 41.7% SC**, refer to Table 1 in the **Application Soil Restrictions** for specific rate/soil restrictions.

DSMA OR MSMA: **Sharda Fluometuron 41.7% SC** may be tank mixed with DSMA or MSMA and applied as a directed spray to cotton from 3 inches high to first bloom. Use the broadcast rate of 2 – 4 pts. (1-2 lbs. a.i.) of **Sharda Fluometuron 41.7% SC** per acre and the necessary amount of DSMA or MSMA plus 0.5% of a surfactant that is approved by FDA for use on food and feed crops and is compatible with **Sharda Fluometuron 41.7% SC** + DSMA or **Sharda Fluometuron 41.7% SC** + MSMA when applied to cotton. When using this mixture, adhere strictly to the dosage, precautions, and limitations of the labels of the products.

DSMA OR MSMA + Sharda Fluometuron 41.7% SC Restrictions:

- **DO NOT** allow spray to contact cotton foliage.
- **DO NOT** graze treated areas or feed treated forage to livestock.
- Before applying **Sharda Fluometuron 41.7% SC**, refer to Table 1 in the **application Soil Restrictions** for specific application rate/soil restrictions.

APPLICATION PROCEDURES MIXING INSTRUCTIONS

1. Fill spray tank $\frac{1}{2}$ to $\frac{3}{4}$ full with clean water or nitrogen solution.
2. Start agitation.
3. Pour **Sharda Fluometuron 41.7% SC** directly from the container into the partially filled spray tank.
4. If **Sharda Fluometuron 41.7% SC** is to be tank mixed with another herbicide, add that product after the **Sharda Fluometuron 41.7% SC** is thoroughly mixed in the partially filled spray tank.
5. Add the rest of the water or nitrogen solution.
6. Provide agitation during mixing and application to maintain a uniform suspension.

To determine compatibility, add 2 teaspoons of **Sharda Fluometuron 41.7% SC** to 1 pint of nitrogen solution (equals 4 pts. in 25 gals.; if using other application rates, adjust compatibility test amounts proportionally). Stir or shake thoroughly and let stand 5 minutes. If the mixture remains mixed or can be remixed readily, it is compatible and can be used. If **Sharda Fluometuron 41.7% SC** settles out

when mixed with a nitrogen solution, a suspensibility agent including Unite®, Compex®, or equivalent at 1 – 3 pts. per 100 gals. fertilizer may improve compatibility. Add 1/8 – 3/8 teaspoon of suspensibility agent to the compatibility test to determine its effectiveness. It is the pesticide user's responsibility to ensure that all products in the listed mixtures 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 and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

EQUIPMENT

Clean sprayer thoroughly prior to use. **DO NOT** use a sprayer contaminated with 2,4-D or other materials, as crop damage or sprayer clogging may result.

All application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

Use properly calibrated conventional spray equipment that will apply spray uniformly and has hydraulic or mechanical agitation (except in Arizona where only mechanical agitators are recommended). Screens in nozzles, in suction, and in-line strainers must be no finer than 50-mesh. Use a pump with capacity to maintain 35 - 40 PSI at the nozzles. If hydraulic agitation is used, the pump must also provide sufficient agitation in the tank to keep the mixture in suspension. Avoid leaving spray mixture in tank without constant agitation. If bypass agitation is used, it must terminate at the bottom of the tank to minimize foaming. Wash sprayer thoroughly with clean water immediately after use.

Apply in a minimum of 10 gals. per acre for pre-plant incorporated or pre-emergence applications, or apply in a minimum of 20 gals. per acre for post-emergence application.

BAND TREATMENT

For band treatment, calculate the amount of **Sharda Fluometuron 41.7% SC** needed by the formula:

Band width in inches	X	Broadcast rate	=	Amount needed
Row width in inches		per acre		per acre of field

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep container closed when not in use. Store product in original container only, away from food or feed.

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

CONTAINER HANDLING:

[Less Than or Equal to 5 Gallons] [Nonrefillable container. **DO NOT** reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by other procedures allowed by State and local authorities.]

[Greater Than 5 Gallons] [Nonrefillable container. **DO NOT** reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by other procedures allowed by State and local authorities.]

[For Bulk and Mini-Bulk Containers] [Refillable container. Refill this container with pesticide only. **DO NOT** use 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 person refilling. To clean container before final disposal, empty the remaining contents from this container 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 puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by State and local authorities.]

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

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

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

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

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

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[OPTIONAL MARKETING LANGUAGE]

1	[www.shardausa.com]  []
2	[Handle with Care]
3	[This side Up]
4	{The below graphic to be added to box if formulated in the United States}  []

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