



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

August 12, 2024

Catherine Rice  
Product Registration Manager  
FMC Corporation  
2929 Walnut Street  
Philadelphia, PA 19104

Subject: Label Amendment - Registration Review Mitigation sulfentrazone  
Product Name: F7220-1  
EPA Registration Number: 279-3354  
Application Date: November 15, 2023  
Decision Number: 594662

Dear Catherine Rice:

The Agency, in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the sulfentrazone Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

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 Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. You must

submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions about this letter, please contact Concepción Rodríguez by phone at 202-566-0820, or via email at [rodriguez.concepcion@epa.gov](mailto:rodriguez.concepcion@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Linda Arrington", with a stylized flourish at the end.

Linda Arrington, Branch Chief  
Risk Management and Implementation Branch 4  
Pesticide Re-Evaluation Division  
Office of Pesticide Programs

ENCLOSURE: Stamped label

# F7220-1

## Selective Postemergence Control of Annual Grasses, Broadleaf weeds, and Sedges in Residential Lawns

EPA Reg. No. 279-3354

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

**Active Ingredient:**

Sulfentrazone

**By Wt.**

0.05%

**Other Ingredients:**

99.95%

100.0%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See [other][additional][[side][front][back]panels] [[inside] booklet] for additional precautionary information.



FMC Corporation  
2929 Walnut Street  
Philadelphia, PA 19104

Net Contents

**A C C E P T E D**

Aug 12, 2024

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 279-3354

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PEEL BACK BOOK HERE ▶

FIRST AID	
If swallowed	<ul style="list-style-type: none"><li>• Call poison control center or doctor immediately for treatment advice.</li><li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
If on skin or clothing	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
If in eyes	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-(800)-331-3148 for emergency medical treatment information	

For technical information regarding the use of this product, call 1-800-321-1FMC(1362)

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove contaminated clothing and wash before reuse.

#### ENVIRONMENTAL HAZARDS

This product is toxic to marine/estuarine invertebrates. Care should be used when spraying to avoid fish and reptile pets in/around ornamental ponds.

Do not apply directly to or near water, storm drains, or drainage ditches. Do not apply when windy or when heavy rainfall is expected. Drift and runoff of sulfentrazone product may be hazardous to plants in adjacent areas.

## DIRECTIONS FOR USE

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

This product may only be used to provide Selective Postemergence Control of Annual Grasses, Broadleaf weeds, and Sedges in Residential Lawns.

[icon] Keep children and pets out of the treated area until sprays have dried.

Observe all cautions and limitations on this label. The use of F7220-1 RTU not consistent with this label may result in plant injury. Keep container closed to avoid spills and contamination.

## PRODUCT INFORMATION

F7220-1 RTU selectively controls tough weeds like purple and yellow nutsedge (nutgrass), Kyllinga, wild onion and garlic, goosegrass, broadleaf plantain, purslane, redroot pigweed, dandelion, spurge, and other listed annual, biennial, and broadleaf weeds in a great variety of lawns, including:

Cool Season Grasses	
Creeping Bentgrass	Kentucky Bluegrass
Fescue, Fine	Rough Bluegrass
Tall Fescue	Ryegrass (perennial)



Warm Season Grasses	
Bahiagrass	Kikuyugrass
Bermudagrass	Seashore Paspalum
Buffalograss	St. Augustinegrass
Carpetgrass	Zoysiagrass
Centipedegrass	

This unique formula kills weeds fast.

F7220-1 RTU involves uptake by both weed roots and shoots. Complete kill should occur in 2-3 weeks. F7220-1 also controls nutlets in the soil.

PRODUCT USAGE [Product Facts]	
Kills	Sedges and Broadleaf Weeds: Purple and Yellow Nutsedge, Kyllinga, Plaintain, Clover, Spurge, Woodsorrel, Knotweed, Chickweed, Curly Dock, Wild Onion, Wild Garlic, and other listed weeds
Use On	<b>Well established turf grasses</b> <u>Cool Season Grasses:</u> Creeping Bentgrass, Fine & Tall Fescue, Perennial Ryegrass, Kentucky & Rough Bluegrass <u>Warm Season Grasses:</u> Bahiagrass, Bermudagrass, Buffalograss, Carpetgrass, Centipedegrass, Kikuyugrass, Seashore Paspalum, St. Augustinegrass, Zoysiagrass
How to Use	Spot spray weed directly until well covered [run-off]. Some weeds may require repeat application (see detailed instructions).
When to Use	As weeds are small and actively growing.

Insert image showing weed affected & dying. Image includes following claims:

- F7220-1 RTU (product) is absorbed into the weed directly after application
- Weed is yellow and wilted in 1-2 days
- Weed is dead in 2-3 weeks

#### **Optional Language for Battery Sprayer**

[Applicator (Device) (Applicator Name) Directions]

[HOW TO APPLY/USE] [icon]

**[1. Remove]** Remove [applicator name] from side clip [Illustration #1 & 2]

- Unwrap hose completely
- Remove protective strip from battery compartment to activate batteries

**[2. Connect]** Insert [color of plug] plug at end of hose into [color of spout] spout on cap until it clicks. Flip up spout. Spout must remain up while spraying [Illustration #3]

**[3. Extend]** Flip open [applicator name] wand until it locks into position [Illustration #4]

**[4. Spray]** Twist nozzle at end of [applicator name] to desired spray pattern. [Ensure trigger lock is disengaged before spraying.] Hold [color of trigger] trigger for continuous spray. [Illustration #5]

Follow illustrations and instructions above. Twist nozzle at end of [applicator name] wand to desired spray pattern. Point [applicator name] wand away from body and hold (color of trigger) trigger for continuous spray. Release trigger to stop spray.

[After Use: twist nozzle to OFF position. [Engage trigger lock.] Flip the [applicator name] wand closed and store on the side (carrier, holder, clip).]

Important Use Information: Do not submerge in water. When storing sprayer for long periods, remove batteries.

To replace batteries: Open battery compartment at bottom of [applicator name] wand. Remove used batteries and replace with four new AA batteries in correct position as marked per diagram inside battery compartment. Securely close battery compartment door. Always use a complete set of the same type when replacing batteries. Never mix alkaline, carbon-zinc or rechargeable batteries.

### ***Trouble Shooting Section for [Battery Sprayer] [Applicator Name]***

[Troubleshooting Tips:

Problem: Sprayer does not spray (function).

Possible Cause: Batteries not installed properly.

Solution: See instructions for correct battery placement.

Problem: Sprayer makes a straining noise (Sprayer runs but nothing (no product) comes out).

Possible Cause: Nozzle is turned Off.

Solution: Turn nozzle to (desired) spray setting (position).

Possible Cause: [Red] [color] plug at end of hose is not flipped up.

Solution: Insert [color of plug] plug at end of hose into [color of spout] spout on cap until it clicks and flip up spout.

Possible Cause: Sprayer is not primed.

Solution: Press and hold button on sprayer for about [X] seconds to prime the sprayer.

Problem: Spray pattern is weak (or uneven) (product flow is uneven or dribbles out of nozzle).

Possible Cause: Weak batteries.

Solution: Install a fresh set of batteries.

Possible Cause: [Red] [color of plug] plug at end of hose is not flipped up.

Solution: Insert [color of plug] plug at end of hose into [color of spout] spout on cap until it clicks. (Attach coupler to the cap) and flip up spout.

Possible Cause: Nozzle not fully open.

Solution: Turn nozzle to (desired) spray setting (position).]

### **End Option for Battery Sprayer**

### **APPLICATION INSTRUCTIONS AND PRECAUTIONS [Where to Use]**

- Twist open nozzle. Spot spray weed directly onto weed until well covered. Some weeds may require repeat application (see detailed instruction below).
- Wait at least 4 weeks after treatment before reseeding, winter overseeding, or plugging lawns.
- For best results, apply to weeds when less than 3 inches high
- Apply only when wind is no more than 10mph. [Avoid applying when windy] to prevent product drifting to other plants.
- Try to avoid overlap spraying.
- Do not spray over-the-top of flowers, ornamentals (including herbaceous) or garden vegetables other than those listed on the label under "Control of Weeds in Ornamentals" Section as injury may result.
- Do not use in turfgrasses other than those listed on the label.
- Do not use in green houses.
- Do not graze or feed treated grass clippings.

## CONTROL OF SEDGES (INCLUDING NUTSEDGES) AND GRASSES

F7220-1 RTU is effective against newly emerged and established sedges. Spray directly on emerged weeds to control or suppress sedges and some grasses (see Table 1). Good spray coverage is needed for optimum control.

**Table 1. Grass and sedge weed species controlled or suppressed**

Common Name	Scientific Name
Annual bluegrass	<i>Poa annua</i>
Goosegrass*	<i>Eleusine indica</i>
Kyllinga, green	<i>Kyllinga brevifolia</i>
Kyllinga, false green	<i>Kyllinga gracillima</i>
Nutsedge, purple*	<i>Cyperus rotundus</i>
Nutsedge, yellow	<i>Cyperus esculentus</i>
Sedge, globe	<i>Cyperus globulosus</i>
Sedge, cylindrical	<i>Cyperus retrorsus</i>
Sedge, Surinam	<i>Cyperus surinamensis</i>
Sedge, Texas	<i>Cyperus polystachyos</i>
* For optimal control of Purple Nutsedge and Goosegrass, repeat treatment every 3-4 weeks.	

## CONTROL OF ANNUAL, BIENNIAL & PERENNIAL BROADLEAF WEEDS

F7220-1 is effective against annual, biennial and perennial broadleaf weeds (see Table 2). Spray directly on newly emerged weeds to control or suppress a wide range of broadleaf weeds.

**Table 2. Broadleaf weeds controlled or suppressed by F7220-1 RTU**

Common Name	Scientific Name
Bittercress	<i>Cardamine spp.</i>
Black medic	<i>Medicago lupulina</i>
Buttercups	<i>Ranunculus spp.</i>
Carolina geranium	<i>Geranium carolinianum</i>
Carpetweed	<i>Mollugo verticillata</i>
Chickweed, common	<i>Stellaria media</i>
Chickweed, mouseear	<i>Cerastium vulgatum</i>
Cinquefoil	<i>Potentilla spp.</i>
Clover	<i>Trifolium spp.</i>
Cudweed	<i>Gnaphalium spp.</i>
Dandelion	<i>Taraxacum officinale</i>
Dock, Curly	<i>Rumex crispus</i>
Evening primrose	<i>Oenothera biennis</i>
Fiddleneck	<i>Amsinckia spp.</i>
Filaree	<i>Erodium spp.</i>
Goldenrod	<i>Solidago spp.</i>
Ground ivy	<i>Glechmea hederacea</i>
Henbit	<i>Lamium amplexicaule</i>
Knotweed, prostrate	<i>Polygonum aviculare</i>
Kochia	<i>Kochia scoparia</i>
Lambsquarters, common	<i>Chenopodium album</i>
Lawn burweed	<i>Soliva pterosperma</i>
Lespedeza, common	<i>Lespedeza striata</i>
Mallow, common	<i>Malva neglecta</i>
Parsley piert	<i>Alchemilla arvensis</i>
Pennywort (Dollarweed)	<i>Hydrocotyle spp.</i>
Pigweed, Redroot	<i>Amaranthus retroflexus</i>
Pigweed, Smooth	<i>Amaranthus hybridus</i>



Common Name	Scientific Name
Pigweed, Tumble	<i>Amaranthus albus</i>
Pineapple weed	<i>Matricaria matricarioides</i>
Plantain Broadleaf	<i>Plantago comanalata</i>
Plantain, buckhorn	<i>Plantago lanceolata</i>
Plantain Narrow leaf	<i>Plantago narrowiforma</i>
Puncture weed	<i>Tribulus terrestris</i>
Purslane, common	<i>Portulaca oleracea</i>
Pusley, Florida	<i>Richardia scabra</i>
Redweed	<i>Melochia corchorifolia</i>
Rocket, London	<i>Sisymbrium irio</i>
Smartweed, Pennsylvania	<i>Polygonum pennsylvanicum</i>
Sorrel, Red	<i>Rumex acetosella</i>
Speedwell	<i>Veronica spp.</i>
Spurge, (annuals)	<i>Euphorbia spp.</i>
Spurge, prostrate	<i>Euphorbia humistrata</i>
Spurge, spotted	<i>Euphorbia maculata</i>
Spurweed	<i>Solvia pterosperma</i>
Star of Bethlehem	<i>Ornithogalum umbellatum</i>
Velvetleaf	<i>Abutilon theophrasti</i>
Violet, wild	<i>Viola pratincola</i>
Wild garlic	<i>Allium vineale</i>
Wild onion	<i>Allium canadense</i>
Woodsorrel, creeping	<i>Oxalis corniculata</i>
Woodsorrel, yellow	<i>Oxalis stricta</i>

#### CONTROL OF WEEDS IN ORNAMENTALS

F7220-1 RTU is effective in killing the listed weeds in established landscape plantings (see Table 3). Apply F7220-1 RTU spray solution to the area where weeds occur. Applications should *only* be made over the top of or around the *listed* ornamentals. APPLICATION TO THE FOLIAGE OR ROOT ZONE OF UNLABELED ORNAMENTALS, PERENNIALS, OR ANNUAL BEDDING PLANTS MAY RESULT IN SEVERE PLANT INJURY. Use only on well-established, non-stressed plants.

**Table 3. F7220-1 RTU CAN BE APPLIED TO THE FOLLOWING ORNAMENTALS**

Common Name	Scientific Name
Boxwood, Common Box, Bonsai	<i>Buxus spp.</i>
Dwarf Yaupon Holly	<i>ILex vomitoria 'Nana'</i>
Creeping Juniper	<i>Juniperus horizontalis</i>
Roses	<i>Rosa spp.</i>
Yews	<i>Taxus spp.</i>
Glossy abelia	<i>Abelia X grandiflora</i>
Butterfly bush or Summer lilac	<i>Buddleia davidii</i>
Round leaf holly	<i>ILex Rotunda</i>
Blue Holly or Meserve Holly	<i>ILex x meserveae</i>
Crepe myrtle	<i>Lagerstroemia indica</i>
Douglas Fir	<i>Pseudotsuga menziesii</i>
Rhododendrons	<i>Rhododendron spp.</i>
Spirea (flowering bush)	<i>Spirea Spp.</i>



## **STORAGE AND DISPOSAL**

### **Pesticide Storage**

Keep from freezing. Do not store below 32°F. Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place, preferably in a locked storage area and avoid excess heat. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into drink containers.

### **Pesticide Container Disposal**

**If partially filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**If empty:** Non refillable container. Do not reuse or refill this container. Offer for recycling, if available, or dispose of in trash.

### **Optional Pesticide Storage and Disposal Language for Battery Sprayer**

#### **Optional Pesticide and Storage Directions for Battery Sprayer**

##### **STORAGE AND/ & DISPOSAL**

**PESTICIDE STORAGE:** Flip down (color of spout) spout on cap. NO NEED TO DISCONNECT SPRAYER HOSE FROM CAP. Completely discharge/dispense product in sprayer prior to storage. Twist sprayer nozzle to the OFF position. [Engage trigger lock.] Flip the [applicator name] wand closed and place [sprayer] back inside carrier [clip] [holder]. Keep from freezing. Keep pesticide in original container. Do not put into food or drink containers. Avoid contamination of feed and foodstuffs. Store in a cool, dry place.

**PESTICIDE DISPOSAL AND CONTAINER HANDLING:** Non-refillable container. Do not reuse or refill this container. **If empty:** Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste disposal agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

## **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. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions beyond the control of FMC or Seller. All such risks shall be assumed by Buyer and User, and, to the extent consistent with applicable law, Buyer and User agree to hold FMC and Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use. TO THE CONSISTENT WITH APPLICABLE LAW, FMC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT. Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) seller or FMC, and, to the extent consistent with applicable law, buyer assumes the risk of any such use.

To the extent consistent with applicable law, FMC or seller shall not 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 FMC 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 FMC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

This Conditions of Sale and Limitation of Warranty and Liability may not be amended by any oral or written agreement.

**Optional Marketing Claims (claims may appear on any or all label panels(s))**

- Spot treatment for all turfgrasses listed on label
- Spot Treatment
- Kills Nutsedge – For Spot Treatment
- Kills Nutsedge in Northern and Southern Turf Grasses
- Kills Nutsedge in Cool Season Turf Grasses
- Kills Nutsedge in Northern Turf Grasses
- Kills Nutsedge in Warm Season Turf Grasses
- Kills Nutsedge in Southern Turf Grasses
- Nutsedge Killer
- Nutsedge Killer for Spot Treatment
- Nutsedge Killer in Northern and Southern Turf Grasses
- Nutsedge Killer in Northern Turf Grasses
- Nutsedge Killer in Southern Turf Grasses
- For Northern and Southern Turf Grasses
- For Northern Turf Grasses
- For Warm and Cool Season Turf Grasses
- For Cool Season Turf Grasses
- Rainproof in 2 hours
- Results are visible in days
- Weed is yellowed in 1-2 days
- Complete kill occurs in 2-3 weeks
- No mixing required
- Ready to Use – no mixing
- Kills Tough Weeds
- Kills Tough Weeds, such as Purple and Yellow Nutsedge, Kyllinga, and other listed Sedges
- Also kills Plantain, Clover, Spurge, Woodsorrel, Knotweed, and other listed annual, biennial, and perennial broadleaf weeds
- Kills roots, shoots and nutlets.
- Selective Herbicide for use in Northern Turf Grasses
- Selective Herbicide for use in Northern & Southern Turf Grasses
- Uptake by both weed roots and shoots
- Dual action killing: Uptake by both leaves and roots
- Selective Postemergence Control of Annual Grasses, Broadleaf weeds, and sedges in Residential Lawns
- Kills weeds, not lawns
- Kills Yellow & Purple Nutsedge, Kyllinga, and over 60 other tough weeds

**OPTIONAL APPLICATOR AND/OR BOTTLE CLAIMS**

- Convenient [Simple] [Design]
- Easy [to use]
- Guaranteed Results
- New/Now (on labeling for the first 6 months of product registration)

NOTE to EPA Product Manager: Text in brackets [ ] is optional.

- No mixing required
- Open
- One-handed operation
- Resealable label for directions and precautions
- Simple [and easy] [to use]

OPTIONAL ILLUSTRATIONS (may appear on any or all label panel(s))

- Lawn with sedge

**OPTIONAL PRODUCT COMMUNICATION (claims may appear on any or all label panels(s))**

- [ORTHO<sup>®</sup> & YOUR ENVIRONMENT – Your yard is a place for family and pets to enjoy. That's why Ortho<sup>®</sup> products are designed with care to provide effective solutions to weed problems. For best results, please follow instructions for appropriate usage, storage, and disposal.]

**NOTICE:** To the extent consistent with applicable law, buyer assumes all risks of use, storage or handling of this product not used in accordance with directions.

☐ ☐ Questions, Comments or Medical Information?  
1-800-225-2883 [www.ortho.com](http://www.ortho.com)

**The ORTHO Guarantee** – If for any reason you are not satisfied with this product, mail us original proof of purchase to obtain a full refund of your purchase price.