

279-3354

11-15-2011

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Jill Holihan
FMC Corporation
1735 Market St.
Philadelphia, PA 19103

NOV 15 2011

Dear Ms. Holihan:

SUBJECT: Label Amendment
F7220-1 Herbicide
EPA Registration No. 279-3354

The label amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended is acceptable, provided that you correct the typo on page 5, under the "Storage and Disposal" section for battery sprayer, replace "lip" down with "flip". A stamped copy is enclosed for your records. Please submit one (1) copy of your final printed labeling before you release the product for shipment. This amended labeling supersedes all previously accepted ones.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Kathryn V. Montague".

Kathryn V. Montague
Product Manager (23)
Herbicide Branch
Registration Division (7505P)

F7220-1

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

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)
- 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.

EPA Reg. No. 279-3354

EPA Est. 279-

Active Ingredient:

Sulfentrazone
Other Ingredients:

By Wt.

0.05%
99.95%
<hr/>
100.0%

KEEP OUT OF REACH OF CHILDREN CAUTION

See other panels for additional precautionary information

Net Contents

ACCEPTED
with COMMENTS
In EPA Letter Dated:

NOV 15 2011

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

279-3354



FMC Corporation
Agricultural Products Group
1735 Market Street
Philadelphia, PA 19103

07-28-2011

PRODUCT USAGE [Product Facts]	
Kills	Sedges and Broadleaf Weeds: Purple and Yellow Nutsedge, Kyllinga, Plantain, Clover, Spurge, Woodsorrel, Knotweed, Chickweed, Curly Dock, Wild Onion, Wild Garlic, and other listed weeds
Use On	Well established turf grasses. Cool Season Grasses: Creeping Bentgrass, Fine & Tall Fescue, Perennial Ryegrass, Kentucky & Rough Bluegrass Warm Season Grasses: 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.

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on skin or clothing	<ul style="list-style-type: none"> • 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 in eyes	<ul style="list-style-type: none"> • 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. You may also contact 1-(800)-331-3148 for emergency medical treatment information	
For 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. [icon] Keep children and pets out of the treated area until sprays have dried

ENVIRONMENTAL HAZARDS

This product is toxic to marine/estuarine invertebrates. Do not apply directly to or near water, storm drains, or drainage ditches. Do not apply when windy or when heavy rainfall is expected. Care should be used when spraying to avoid fish and reptile pets in/around ornamental ponds.

DIRECTIONS FOR USE

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

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
Tall Fescue	Rough Bluegrass
Fine Fescue	Ryegrass (perennial)

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

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).]

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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.

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: lip 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.

CONTROL OF SEDGES (INCLUDING NUTSEDGES) AND GRASSES

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

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

Spray directly on newly emerged weeds to control or suppress a wide range of broadleaf weeds.

Broadleaf weeds controlled or suppressed by F7220-1 RTU

BROADLEAVES	SCIENTIFIC NAMES
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>)
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 narowiforma</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.

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.

F7220-1 RTU CAN BE APPLIED TO THE FOLLOWING ORNAMENTALS:

Common Name	Scientific Name
Boxwood, Common Box, Bonsai	<i>Buxus sp</i>
Dwarf Yaupon Holly	<i>ILex vomitoria 'Nana'</i>
Creeping Juniper	<i>Juniperus horizontalis</i>
Roses	<i>Rosa sp</i>
Yews	<i>Taxus sp</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 sp</i>
Spirea (flowering bush)	<i>Spirea Sp</i>

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.

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

- [ORTHO[®] & YOUR ENVIRONMENT – Your yard is a place for family and pets to enjoy. That's why Ortho[®] 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

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.