



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Registration Division (7505P)  
Ariel Rios Building  
1200 Pennsylvania Ave., NW  
Washington, D.C. 20460

EPA Reg. Number:

279-3354

Date of Issuance:

4 FEB 2009

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance: conditional

Name of Pesticide Product:

F7220-1

Name and Address of Registrant (include ZIP Code):

FMC Corporation  
1735 Market St.  
Philadelphia, PA 19103

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

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration review of your product when the Agency requires all registrants of similar products to submit data.
2. Conduct one year studies for guidelines 830.6317 (storage stability) and 830.6320 (corrosion characteristics) and submit the results. It is recommended that the evaluation be made at 0, 3, 6, 9 and 12 month intervals.
3. Send a copy of the enforcement analytical method to the EPA Analytical Laboratory at the following address:

USA EPA Analytical Laboratory  
701 Maples Road  
Ft. Meade, MD 20755-5350

Signature of Approving Official:

Joanne I. Miller  
Product Manager 23  
Herbicide Branch  
Registration Division (7505P)

Date:

4 FEB 2009

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3. Make the following label changes:
  - a. Under the "First Aid" section, delete the following sentence from the "Oral" statement: "Do not give any liquid to the person."
  - b. Based on the acute toxicity profile, no inhalation statement is required. However, you may choose to retain it on the label.
  - c. Under the "Precautionary Statements" in the "Hazards to Humans and Domestic Animals" section, revise the "fifth" sentence to read: "Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco."
  - d. Add the phrase: "EPA Registration No. 279-3354."
  
4. You must have the efficacy data in your files which support the marketing claims on this label.

Submit one copy of the revised final printed label for the record. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

# F7220-1

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

### Optional Marketing Claims

- 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

**EPA Reg. No. 279-**

**EPA Est. 279-**

**Active Ingredient:**  
Sulfentrazone  
**Other Ingredients:**

**By Wt.**  
0.05%  
99.95%  
100.0%

U.S. Patent No. 4,818,275

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

See other panels for additional precautionary information

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated:  
4 FEB 2009**

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

279-3354

### Net Contents



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

<b>PRODUCT USAGE</b>	
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.

<b>FIRST AID</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• Do not give any liquid to the person.</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>
<b>If on skin or clothing</b>	<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>
<b>If in eyes</b>	<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>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice</li> </ul>
<b>HOTLINE NUMBER</b>	
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	
<b>For Information Regarding the Use of this Product Call 1-800-321-1FMC (1362).</b>	

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**

Causes moderate eye irritation. Harmful if inhaled, 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. Remove contaminated clothing and wash before reuse. 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.

**GENERAL 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 adsorbed into the weed directly after application
- Weed is yellow and wilted in 1-2 days
- Weed is dead in 2-3 weeks

**APPLICATION INSTRUCTIONS AND PRECAUTIONS**

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.

**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.

**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**

<b>BROADLEAVES</b>	<b>SCIENTIFIC NAMES</b>
Bittercress	( <i>Cardamine</i> spp.)
Black medic	( <i>Medicago lupulina</i> )
Buttercups	( <i>Ranunculus</i> spp.)
Carolina gernanium	( <i>Geranium carolinianum</i> )
Carpetweed	( <i>Mollugo verticillata</i> )
Chickweed, common	( <i>Stellaria media</i> )
Chickweed, mousear	( <i>Cerastium vulgatum</i> )
Cinquefoil	( <i>Potentilla</i> spp.)
Clover	( <i>Trifolium</i> spp.)
Cudweed	( <i>Gnaphalium</i> spp.)
Dandelion	( <i>Taraxacum officinale</i> )
Dock, Curly	( <i>Rumex crispus</i> )
Evening primrose	( <i>Oenothera biennis</i> )
Fiddleneck	( <i>Amsinckia</i> spp.)
Filaree	( <i>Erodium</i> spp.)
Goldenrod	( <i>Solidago</i> spp.)
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</i> spp.)
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 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</i> spp.)
Spurge, (annuals)	( <i>Euphorbia</i> spp.)
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:**

<b>Common Name</b>	<b>Scientific Name</b>
Boxwood, Common Box, Bonsai	<i>Buxus</i> sp
Dwarf Yaupon Holly	<i>ILex vomitoria 'Nana'</i>
Creeping Juniper	<i>Juniperus horizontalis</i>
Roses	<i>Rosa</i> sp
Yews	<i>Taxus</i> sp
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.

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