



**U.S. ENVIRONMENTAL PROTECTION AGENCY**  
**Office of Pesticide Programs**  
**Registration Division (7505P)**  
**Ariel Rios Building**  
**1200 Pennsylvania Ave., NW**  
**Washington, D.C. 20460**

**EPA Registration Number:**  
 279-3423

**Date of Issuance:**  
 SEP 30 2010

**NOTICE OF PESTICIDE:**  
 Registration  
 Reregistration  
 (under FIFRA, as amended)

**Term of Issuance:**  
 Conditional

**Name of Pesticide Product:**  
 F9001-2 0.9 G Herbicide  
 Homeowner Product

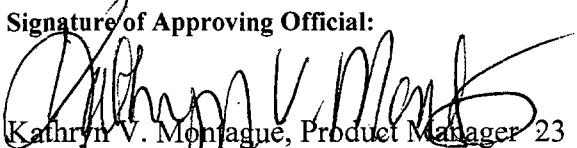
**Name and Address of Registrant (include ZIP Code):**  
 FMC Corporation  
 1735 Market St.  
 Philadelphia, PA 19103

**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 the registration/ reregistration review of your product when the Agency requires all registrants of similar products to submit data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Change the EPA Registration Number to "279-3423".
3. Make the following label changes:
  - a. Revise the "Hazards to Humans and Domestic Animals" statement to read: "Harmful if absorbed through skin. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Wear long-sleeved shirt and long pants, socks, shoes, and gloves. Remove and wash contaminated clothing before reuse."
4. Under the "First Aid" statements: revise the "If on Skin or Clothing" statement to read "If on Skin". In addition place this statement at the top of statements, followed by "If Swallowed", and "If in Eyes". The acute toxicity review determined that an inhalation statement is not required. However, you may elect to retain category III language if you so desire.

**Signature of Approving Official:**  
  
 Kathryn V. Montague, Product Manager 23  
 Herbicide Branch  
 Registration Division (7505P)

**Date:**  
 SEP 30 2010

5. Remove "General" from the heading "General Information" and replace with "Product".
6. On page 3, under the "Optional Quick Reference Chart" remove "sedges" for "preemergence control. It is on the cited labeling for "postemergence control of sedges".
7. On page 4, correct the spelling of "With" in the heading.
8. Submit the results of one year storage stability (830.6317) and corrosion characteristics (830.6320) studies on completion. It is recommended that observations be made at 0, 3, 6, 9, and 12 month intervals.
9. The label must be revised for ingredient statement changing the nominal concentrations of the active ingredient sulfentrazone from 0.385% to 0.386% and that of dithiopyr from 0.515% to 0.5141%, so that this information concurs on the label and the Confidential Statement of Formula.

Submit one copy of the revised final printed label before the product is released for shipment.

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.

Enclosure

# F9001-2 0.9 G Herbicide Homeowner product ✓

Ready-to-Spread Granules  
For Pre-emergent and early post emergent control of crabgrass and other listed weeds in Home Lawns

EPA Reg. No. 279-XXX

EPA Est. XXX

Active Ingredient:	By Wt.
Sulfentrazone*	0.385%
Dithiopyr	0.515%
Other Ingredients:	99.10%
<b>Total:</b> .....	<b>100.0%</b>
U.S. Patent No. XXXXXXXXXXX	

**ACCEPTED**  
**with COMMENTS**  
In EPA Letter Dated:  
**SEP 30 2010**

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

Net Weight:  
Total Net Weight:

279-3423

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

Read Entire Label for Precautionary Statements and complete Directions For Use

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

### FIRST AID

<b>IF SWALLOWED</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</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>

### 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

- Harmful if swallowed, inhaled or absorbed through skin.
- Causes moderate eye irritation
- Avoid contact with skin, eyes or clothing.
- Prolonged or frequently repeated skin contact may cause allergic reactions in certain individuals
- When using this product, wear waterproof gloves, long sleeve shirt and pants, and shoes and socks

After using this product:

- Rinse gloves before removing and wash hands.
- If product gets on skin, wash thoroughly with soap and water
- If product gets on clothing, remove clothing and wash thoroughly. Wash clothing before wearing again.

#### Environmental Hazards

- This pesticide is toxic to marine/estuarine invertebrates.
- To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters, or surface waters.
- Applying this product in calm weather when rain is not predicted for the next 24 hours will help ensure that wind or rain does not blow or wash pesticide off the treatment area.
- Sweeping any product that lands on a driveway, sidewalk, or street, back into the treated area of the lawn or garden will help to prevent runoff to water bodies or drainage systems.

**Groundwater advisory:** The active ingredients in this product are known to leach through soil into groundwater under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Do not use on coarse soils classified as sand which have less than 1% organic matter.

**Surface water advisory:** F9001-2 0.9 G HERBICIDE can contaminate surface water through spray drift. Under some conditions, F9001-2 0.9 G HERBICIDE may also have a high potential for runoff into surface water (primarily via dissolution in runoff water), for several to many months post-application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlying extremely shallow groundwater, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas over-lying tile drainage systems that drain to surface waters.

#### GENERAL INFORMATION

F9001-2 0.9 G HERBICIDE is a selective pre-emergence and early post-emergence herbicide for control of crabgrass, annual grassed, broadleaf weeds and sedges in established lawns. Damage may occur to lawns that are not well established or stressed by unfavorable weather or disease.

#### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.	
<b>When to use</b>	Before weeds or crabgrass appear or shortly after they emerge
<b>How much to use</b>	1-2 lbs per 1000 sq ft. See table for most common spreader settings.  SPREADER SETTINGS TABLE INSERTED HERE
<b>How to use</b>	Adjust spreader to proper setting. To insure you cover entire area uniformly, first treat the border of the lawn, then fill in the rest of the lawn, making parallel passes to cover lawn, walking at a steady pace.
<b>For Best Results</b>	<ul style="list-style-type: none"> <li>• Works best when adequate soil moisture is present at application. If soil is very dry, water 1-2 days before applying.</li> <li>• If no rainfall or watering occurs within 1-2 days after application of F9001-2 0.9 G HERBICIDE, then light watering is recommended.</li> </ul> <p>This product may be used on seeded, sodded or sprigged lawns that are well established. Turfgrass injury could result from application of this product on turfgrass that is not well established or has been weakened by stresses such as high traffic, unfavorable weather conditions or disease. If turfgrass becomes injured and discolored, it will recover and discoloration removed by mowing.</p>
<b>For use on these grasses</b>	<p>F9001-2 0.9 G HERBICIDE can be used as directed on the following grass types:</p> <p><u>Cool Season Grasses (Turf/Lawns):</u>            Bentgrass, creeping (Agrostis spp.)            Kentucky Bluegrass (Poa pratensis)            Fine Fescue (Festuca rubra)            Tall Fescue (Festuca arundinacea)            Ryegrass, perennial (Lolium perenne)</p> <p><u>Warm Season Grasses (Turf/Lawns):</u>            Bermudagrass (Cynodon dactylon) &amp; hybrids            Buffalograss (Buchloe dactyloides)            Centipedegrass (Eremochloa ophiuroides)            Seashore Paspalum (Paspalum vaginaum)            Zoysiagrass (Zoysia japonica)            Kikuyugrass (Pennisetum cladeatum)</p>
<b>Restrictions and Other Use Precautions</b>	<p><b>NOTE:</b> If your grass type is not listed you should not use F9001. If you are not sure of your grass type, you may want to treat small area first to see if grass is tolerant. F9001-2 0.9 G HERBICIDE will not harm the grass when used as directed.</p> <p><b>Do not</b> apply product in a way that will contact people or pets. After watering, keep people and pets off treated areas until completely dried.  <b>Do not</b> treat pastures, rangeland, or other areas grazed or harvested for livestock forage or hay.  <b>Do not</b> apply this product through any type of irrigation system.  <b>Do not</b> use on turfgrasses other than those listed on this label. <b>Do not</b> use on St. Augustinegrass.  <b>Do not</b> apply to turfgrasses under stress.  <b>Do not</b> apply to golf course putting greens, collars or tees.</p> <p>To avoid injuring or killing desirable plants:  <b>Do not</b> apply directly to landscape ornamentals or ornamental beds other than those listed.  <b>Do not</b> use clippings as mulch or compost around flowers, ornamentals, trees or in vegetable gardens.</p>

**Optional Quick Reference Chart**

PRODUCT USAGE	
<b>Kills</b>	Pre-emergent and early post-emergent control of Crabgrass, Annual grasses, broadleaf weeds and annual and perennial sedges in established lawns (grasses){turf}
<b>Use On</b>	Cool Season Lawns (Grasses){Turf}: Bentgrass (creeping), Bluegrass (Kentucky and Rough), Fescue (Fine and Tall) and Perennial Rye  Warm Season Lawns (Grasses){Turf}: Bermudagrass (Common and Hybrid), Buffalograss, Centipedegrass, Seashore Paspalum and Zoysiagrass. Do not use on St. Augustinegrass.
<b>Amount to Use</b>	1-2 lbs per 1000 sq ft of lawn.
<b>When to Use</b>	Before weeds emerge or shortly after they emerge.

**WEEDS CONTROLLED WITH PRE-EMERGENT APPLICATION**

Common Name	Scientific Name
Barnyardgrass	( <i>Echinochloa crus-galli</i> )
Bluegrass annual	( <i>Poa annua</i> )
Carpetweed	( <i>Mollugo verticillata</i> )
Carolina Geranium	<i>Geranium carolinianum</i>
Chickweed, common	( <i>Stellaria media</i> )
Chickweed, mouseear (from seed)	( <i>Cerastium vulgatum</i> )
Crabgrass (large, Smooth, Southern)	( <i>Digitaria spp.</i> )
Cupgrass, Woolly	( <i>Eriochloa villosa</i> )
Dallisgrass	( <i>Paspalum dilatatum</i> )
Foxtails, Annual	( <i>Setaria spp.</i> )
Goosegrass	( <i>Eleusine indica</i> )
Hairy Bittercress	<i>Cardamine hirsute</i>
Henbit	( <i>Lamium amplexicaule</i> )
Knotweed, prostrate	( <i>Polygonum aviculare</i> )
Kochia	( <i>Kochia scoparia</i> )
Kyllinga, green	( <i>Kyllinga brevifolia</i> )
Kyllinga, false	( <i>Kyllinga gracillima</i> )
Lambsquarters, common	( <i>Chenopodium album</i> )
Lawn Burweed	( <i>Soliva pterosperma</i> )
Lespedeza, common	( <i>Lespedeza striata</i> )
Nutsedge, yellow	( <i>Cyperus esculentus</i> )
Panicum (Texas, Fall)	( <i>Panicum spp.</i> )
Pigweed, Redroot	( <i>Amaranthus retroflexus</i> )
Purslane, Common	( <i>Portulaca oleracea</i> )
Pusley, Florida	( <i>Richardia scabra L.</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> )
Shephardspurse	( <i>Capsella bursa-pastoris</i> )
Speedwell	( <i>Veronica spp.</i> )
Spurge, prostrate	( <i>Euphorbia humistrata</i> )
Woodsorrel, yellow (from Seed)	( <i>Oxalis stricta</i> )

1. *Poa annua* is a winter annual. Applications of F9001-2 0.9 G HERBICIDE should be made in August or September to established, non overseeded turf before *Poa Annua* germinates. Consult local Cooperative Extension Service for more specific applications timings for your local area since August and September are approximate timings.
2. Apply F9001-2 0.9 G HERBICIDE in late summer, fall or winter before weed germinates for control.
3. Crabgrass control in cool season grasses from fall application: Areas where the ground is subject to winter freezes, F9001-2 0.9 G HERBICIDE may be applied in the fall at rates listed in Table 1 (125-292 lbs. per acre) for cool season grasses when soil temperatures are below 50°F, but prior to the ground freezing. This will provide control of crabgrass the following spring.
4. In areas of extended growing season and heavy pressure weed control will be enhanced by second application of F9001-2 0.9 G HERBICIDE 90 days after initial application

**POSTEMERGENT CONTROL OF ANNUAL, BIENNIAL & PERENNIAL BROADLEAF WEEDS, GRASSES AND SEDGES**

F9001-2 0.9 G HERBICIDE 0.9% herbicide will control or suppress the weeds listed below when applied shortly after weeds have emerged.

**Weeds Controlled or Suppressed When Application Made Postemergence to Weeds**

Common Name	Scientific Name	Controlled	Suppressed
Bittercress	( <i>Cardamine spp.</i> )		X
Black medic	( <i>Medicago lupulina</i> )		X
Buttercups	( <i>Ranunculus spp.</i> )		X
Carolina geranium	( <i>Geranium carolinianum</i> )	1	
Carpetweed	( <i>Mollugo verticillata</i> )		X
Chickweed, common	( <i>Stellaria media</i> )	1	
Chickweed, mouseear	( <i>Cerastium vulgatum</i> )		X
Cinquefoil	( <i>Potentilla spp.</i> )		X
Clover	( <i>Trifolium spp.</i> )		X
Crabgrass (Large and Smooth)	( <i>Digitaria spp.</i> )	2	

Cudweed	( <i>Gnaphalium spp.</i> )		X
Dandelion	( <i>Taraxacum officinale</i> )		X
Dock, Curly	( <i>Rumex crispus</i> )		X
Evening primrose	( <i>Oenothera biennis</i> )		X
Fiddleneck	( <i>Amsinckia spp.</i> )		X
Filaree	( <i>Erodium spp.</i> )		X
Goldenrod	( <i>Solidago spp.</i> )	1	
Goosegrass	( <i>Elyusine indica</i> )	2	
Ground ivy	( <i>Glechema hederacea</i> )		x
Henbit	( <i>Lamium amplexicaule</i> )		X
Knotweed, prostrate	( <i>Polygonum aviculare</i> )		X
Kochia	( <i>Kochia scoparia</i> )	1	
Lambsquarters, common	( <i>Chenopodium album</i> )		X
Lawn burweed	( <i>Soliva pterosperma</i> )		X
Lespedeza, common	( <i>Lespedeza striata</i> )		X
Mallow, common	( <i>Mahva neglecta</i> )		X
Nutsedge, Yellow	( <i>Cyperus esculentus</i> )	1	
Parsley piert	( <i>Alchemilla arvensis</i> )	1	
Pigweed, Redroot	( <i>Amaranthus retroflexus</i> )	1	
Pigweed, Tumble	( <i>Amaranthus albus</i> )	1	
Pineapple weed	( <i>Matricaria matricarioides</i> )		X
Plantain, buckhorn	( <i>Plantago lanceolata</i> )	1	
Puncture weed	( <i>Tribulus terrestris</i> )		X
Purslane, common	( <i>Portulaca oleracea</i> )		X
Pusley, Florida	( <i>Richardia scabra</i> )	1	
Redweed	( <i>Melochia corchorifolia</i> )		X
Rocket, London	( <i>Sisymbrium irio</i> )		X
Smartweed, Pennsylvania	( <i>Polygonum pennsylvanicum</i> )	1	
Sorrel, Red	( <i>Rumex acetosella</i> )		X
Speedwell	( <i>Veronica spp.</i> )	1	
Spurge, (annuals)	( <i>Euphorbia spp.</i> )	1	
Spurge, prostrate	( <i>Euphorbia humistrata</i> )	1	
Spurge, spotted	( <i>Euphorbia maculata</i> )	1	
Star of Bethlehem	( <i>Ornithogalum umbellatum</i> )	1	
Velvetleaf	( <i>Abutilon theophrasti</i> )		X
Violet, wild	( <i>Viola pratincola</i> )		X
Wild garlic	( <i>Allium vineale</i> )		X
Wild onion	( <i>Allium canadense</i> )		X
Woodsorrel, creeping	( <i>Oxalis corniculata</i> )		X
Woodsorrel, yellow	( <i>Oxalis stricta</i> )	1	

1. Weeds are suppressed at lower label rates (<70 lbs/acre). For optimum control apply rates of at least 98 lbs per acre in a single application. Do not exceed the application rate specified for the turf species in Table 1.
2. F9001-2 0.9 G HERBICIDE controls crabgrass and goose grass when applied postemergent to newly emerged weeds from the 1-4 leaf to the 2-4 tillering stage has been initiated.

#### Early Postemergence Control

Application of F9001-2 0.9 G HERBICIDE provides early postemergence control of crabgrass and goosegrass when applied by the 2-4 tillering stage of development. Applications should be made as soon as undesirable grass is observed for best results.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

#### Pesticide Storage

Store product in original container only, away from other pesticides, fertilizer, food or feed.

Store in a cool, dry place and avoid excess heat.

#### Pesticide Disposal

If product cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional office for guidance. Never dump unused pesticides down a drain.

#### Container Disposal

Non-refillable container. Do not reuse this container. Offer for recycling if available or place in trash.

### 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 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 EXTENT 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 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 Warranty Statement:  
WARRANTY- CONDITIONS OF SALE**

RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather conditions, mixtures with other chemicals and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

**OR**

NOTICE: Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions