

279-3418

12/22/2011

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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

DEC 22 2011

Jill Holihan
FMC Corporation
1735 Market Street
Philadelphia, PA 19103

Subject: Label Notification; Per PR-Notice 98-10
F9001-2 0.9 G Herbicide on Fertilizer
EPA Reg. No. 279-3418
Date Submitted: November 29, 2011

Dear Ms. Holihan:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated November 29, 2011 for the product referenced above. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions regarding this letter, please contact Jasmine Branch at (703) 347-0351 or branch.jasmine@epa.gov.

Sincerely,

A handwritten signature in cursive script that reads "Kathryn V. Montague".

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



United States
Environmental Protection Agency
 Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 279-3418	2. EPA Product Manager Kathryn Montague	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) F9001-2 0.9 G Herbicide on Fertilizer	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) FMC Corporation 1735 Market Street Philadelphia, PA 19103 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

NOTIFICATION

DEC 22 2011

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

FMC Corporation is proposing adding sedges to the pre-emergence section of the label for the subject product by notification per PR Notice 98-10.

Jill.Holihan@FMC.com

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product		<input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Jill Holihan	Title Product Registration Manager	Telephone No. (Include Area Code) 215-299-6436
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Product Registration Manager	
4. Typed Name Jill Holihan	5. Date 11/29/2011	

VIA FEDERAL EXPRESS

November 29, 2011

FMC Corporation
1735 Market Street
Philadelphia, PA 19103

Ms. Kathryn Montague
U.S. Environmental Protection Agency
Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

215.299.6000 phone
215.299.6468 fax
www.fmc.com

Dear Ms. Montague:

Subject: Chemical Number/Name: 129081/sulfentrazone
Chemical Number/Name: 79101/dithiopyr

F9001-2 0.9 G Herbicide on Fertilizer (EPA Reg. No. 279-3418)

Notification of Addition of Pests per PR Notice 98-10

FMC Corporation is proposing adding sedges to the pre-emergence section of the label for the subject product. These pests were required to be removed previously by the agency, but subsequent conversations with EPA have allowed this notification to move forward. FMC believes that the changes are in full compliance with PR Notice 98-10, section II Labeling Notifications; Part B Adding or Deleting Pests.

To support this notification, FMC is referencing an email dated 7/12/2011 where the Agency has agreed to allow the addition of sedge pre-emergent control by notification.

The proposed label includes the following changes:

1. On page 4, in the "Specific Use Instructions on Turfgrass" section of the label, the following sedge species were added to Table 2:

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>)

2. On page 6, in the "Additional Use Instructions" section of the label:

"Preemergence control of annual broadleaf weeds" was changed to read "Preemergence control of annual broadleaf weeds and Sedges"

Ms. Kathryn Montague
11/29/2011

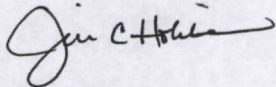
2

Enclosed, please find the following documents:

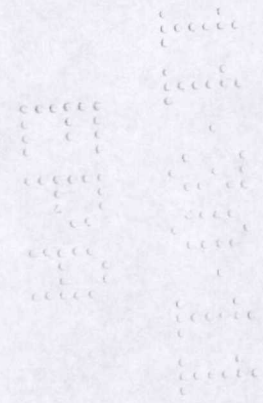
- EPA Form 8570-1
- Certification of Compliance with PR Notice 98-10
- Two copies of draft labeling (one copy with changes in red)
- Copy of the 7/12/2011 email

We trust that the enclosed information is acceptable for the Agency to process this request. If you have any questions, please call.

Sincerely,



Jill Holihan
Product Registration Manager
215-299-6436
jill.holihan@fmc.com



F9001-2 0.9 G HERBICIDE ON FERTILIZER

For Preemergence and early postemergence control of crabgrass, selected annual grasses, sedges and annual broadleaf weeds in Turf Sites - Residential and Institutional Lawns, Athletic Fields, Commercial Sod Farms, Golf Course Fairways and Roughs; Roadsides, Utility right-of-ways, Railways, and Industrial areas

EPA Reg. No. 279-3418

EPA Est. No.

NOTIFICATION

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Active Ingredient:	By Wt.
Sulfentrazone:N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]methanesulfonamide.....	0.385%
Dithiopyr:	
3,5pyridinedicarbothioic acid, 2-(difluoromethyl)-4-(2-methylpropyl)- 6-(trifluoromethyl)-S,S-dimethyl ester	0.515%
Other Ingredients:	<u>99.10%</u>
TOTAL:	100.0%

F9001-2 0.9 G HERBICIDE ON FERTILIZER contains 0.009 pounds of active ingredient (0.00385 lbs sulfentrazone and 0.00515 lbs dithiopyr) per pound

Guaranteed Analysis XX-X-XX

Total Nitrogen (N)	XX.XX %
XX.XX% Urea Nitrogen	
Soluble Potash (K₂O)	XX.XX %
Sulfur (S) Total	XX.XX %
X.XX % Free Sulfur (S)	
X.XX % Combined Sulfur (S)	
Iron (Fe) Total	X.XX %
X.XX % Soluble Iron (Fe)	
Derived From: Poly Coated Sulfur Coated Urea, Sulfate Of Potash, Iron Sucrate.	
Chlorine (Cl) Max.	X.XX %

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See additional precautionary information contained inside label booklet.

FMC Corporation
Agricultural Products Group
1735 Market Street
Philadelphia PA 19103

11/29/2011

FIRST AID	
IF ON SKIN	<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 SWALLOWED	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Do not give any liquid to the person. • 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 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.
IF INHALED	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further 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

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.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations:

- Users should remove clothing immediately if product gets inside. Then wash thoroughly and put on clean clothing.

Environmental Hazards

This product is toxic to marine/estuarine invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to terrestrial and aquatic plants in neighboring areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

Groundwater advisory: Sulfentrazone is 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: Sulfentrazone can contaminate surface water through spray drift. Under some conditions, sulfentrazone 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.

DIRECTIONS FOR USE

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

Do not apply this product through any type of irrigation system. 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.

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. These requirements 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 12 hours.

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, such as plants, soil, or water, is: Coveralls over long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material, and shoes plus socks.

Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Re-entry Statement: Do not allow people (other than applicator) or pets on treatment area during application.

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.

Spill: In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. **Confine spills. Call FMC: (800) 331-3148.**

To confine spill: Cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

Pesticide Disposal: If these wastes 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.

Container Disposal:

Nonrefillable container. Do not reuse or refill this container. Then offer for recycling if available, and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

PRODUCT INFORMATION

Turf Use Instructions

F9001-2 0.9 G HERBICIDE ON FERTILIZER is a selective pre-emergence and post-emergence herbicide for control of crabgrass, annual grass and broadleaf weeds and sedges in turf sites including residential and institutional lawns, athletic fields, commercial sod farms, golf course fairways and roughs, roadsides, utility right-of-ways, railways and industrial areas.

F9001-2 0.9 G HERBICIDE ON FERTILIZER is a granular formulation containing 0.009 lbs. of active ingredient (0.00385 lbs sulfentrazone and 0.00515 lbs dithiopyr) per one pound of product. The mode of action of F9001-2 0.9 G HERBICIDE ON FERTILIZER involves uptake by both weed roots and shoots of existing weeds and prevention of growth by newly emerged weed seedlings.

SPECIFIC USE INSTRUCTIONS IN TURFGRASS

Established Turf

This product may be used on seeded, sodded or sprigged turfgrasses that are well established. First application of this product can be made following the second mowing providing the grass has developed into a uniform stand with a good root system. Turf injury may result from application of this product on turf that is not well established or has been weakened by stresses such as unfavorable weather conditions, disease, chemical or mechanical influences.

When applied as directed under the conditions described, the following established grasses are tolerant to F9001-2 0.9 G HERBICIDE ON FERTILIZER at the recommended use rates in a range from 0.375 to 0.875 lb. ai/acre (41 to 97 lbs./acre or 0.94 to 2.23 lbs./1,000 sq. ft.). Do not exceed 0.875 lb. ai/acre (97 lbs./acre) per calendar year.

Table 1. Tolerant grasses.

Grass Type	Recommended Use Rates Do not exceed maximum use rates per turf species in a single application	
	pounds per 1000 ft ²	pounds per acre
Cool Season Grasses		
Bentgrass, creeping ¹	0.94 – 2.23 Lbs.	41- 97 lbs.
Fescue, fine ² (<i>Festuca rubra</i>)		
Ryegrass, perennial (<i>Lolium perenne</i>)		
Bluegrass, Kentucky (<i>Poa pratensis</i>)	0.94 – 2.23 Lbs	

Fescue, tall ² (<i>Festuca arundinacea</i>)		41- 97 lbs.
Warm Season Grasses		
Bahiagrass (<i>Paspalum notatum</i>) Buffalograss (<i>Buchloe dactyloides</i>) Carpetgrass (<i>Axonopus affinis</i>) Centipedegrass (<i>Eremochloa ophiuroides</i>) Kikuyugrass (<i>Pennisetum clandestinum</i>) Seashore Paspalum (<i>Paspalum vaginatum</i>) Zoysiagrass (<i>Zoysia japonica</i>)	0.94 – 2.23 Lbs.	41- 97 lbs.
Bermudagrass (<i>Cynodon dactylon</i>) & hybrids	0.94 – 2.23 Lbs	41- 97 lbs.

1 If bentgrass is mowed lower than 0.5 inches do not apply F9001-2 0.9 G HERBICIDE ON FERTILIZER. Do not use on the following cultivars or creeping bentgrass: Carmen, Cohansey, Seaside, and Washington. Colonial bentgrass is not tolerant to F9001-2 0.9 G HERBICIDE ON FERTILIZER.

2 Use of this product on certain varieties of Chewing, Fine Fescue or Tall Fescue cultivars may result in undesirable injury. The following varieties of Fine fescue have show lack of tolerance to F9001-2 0.9 G HERBICIDE ON FERTILIZER: Atlanta, Banner, Beauty, Bilgart, CF-2, Enjoy, HF-93, Highlight, Ivalo, Jamestown, Koket, Majenta, Pennlawn, Tamara, Tatjana, Waldorf and Waldina.

F9001-2 0.9 G HERBICIDE ON FERTILIZER may be applied more than once per year if needed as long as total amount applied does not exceed the maximum application rate per turf type or .875 lbs. ai/acre (97 lbs./acre), whichever is lower.

- F9001-2 0.9 G HERBICIDE ON FERTILIZER application may cause temporary discoloration to exposed leaf surfaces on certain cultivars of zoysiagrass. Treated turfgrass will recover with new growth. Discolored leaf tissue will be removed with mowing. To reduce potential for discoloration, do not apply F9001-2 0.9 G HERBICIDE ON FERTILIZER on turfgrass that is weakened by weather, mechanical, chemical, disease or other related stress. Maintain proper cultural practices such as adequate moisture and fertility levels to promote healthy turf growth.
- Do not use on hybrid bermudagrass 328 (Tifgreen)
- F9001-2 0.9 G HERBICIDE ON FERTILIZER has demonstrated tolerance on both cool and warm season turfgrasses. However, not all varieties and or cultivars have been evaluated. Turfgrass managers desiring to treat newly released varieties should first apply F9001-2 0.9 G HERBICIDE ON FERTILIZER to a small area prior to treatment of larger areas.

Weed Controlled with Pre emergence Application

Table 2.

Common Name	Scientific Name
Barnyardgrass	(<i>Echinochloa crus-galli</i>)
Bluegrass annual ¹	(<i>Poa annua</i>)
Carpetweed	(<i>Mollugo verticillata</i>)
Carolina Geranium	<i>Geranium carolinianum</i>
Chickweed, common ²	(<i>Stellaria media</i>)
Chickweed, mouseear (from seed)	(<i>Cerastium vulgatum</i>)
Crabgrass (large, Smooth, Southern) ³	(<i>Digitaria spp.</i>)
Cupgrass, Woolly	(<i>Eriochloa villosa</i>)
Dallisgrass	(<i>Paspulum dilatatum</i>)
Foxtails, Annual	(<i>Setaria spp..</i>)
Goosegrass ⁴	(<i>Eleusine indica</i>)
Hairy Bittercress	<i>Cardamine hirsute</i>
Henbit ²	(<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 ²	(<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 ON FERTILIZER 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 ON FERTILIZER 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 ON FERTILIZER 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 ON FERTILIZER 60-90 days after initial application

Postemergence Control of Annual, Biennial & Perennial Broadleaf Weeds, Grasses and sedges

F9001-2 0.9 G HERBICIDE ON FERTILIZER will control or suppress the weeds listed in Table 3 when applied shortly after weeds have emerged. Do not exceed the application rate specified for the turf species in Table 1. Do not apply adjuvants or surfactants with post applications of F9001-2 0.9 G HERBICIDE ON FERTILIZER unless tested on small areas prior to broadcast applications.

Weeds Controlled or Suppressed When Application Made Postemergence to Weeds

Table 3

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>Eleusine 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>Malva 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 pensylvanicum</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	

- 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.
- F9001-2 0.9 G HERBICIDE ON FERTILIZER controls crabgrass and goosegrass 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 ON FERTILIZER 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.

Application to Reseeded, Overseeded or Sprigged areas

Reseeding, overseeding or sprigging of treated areas within three to four (3-4) months after application of this product could inhibit the establishment of desirable grasses. However, perennial ryegrass may be overseeded into bermudagrass 8 weeks after application of F9001-2 0.9 G HERBICIDE ON FERTILIZER if slight injury to the ryegrass is acceptable.

Best results are obtained for reseeding or overseeding when mechanical or power seeding equipment (slit seeders) are used to give good seed to soil contact and proper soil cultivation, irrigation and fertilization practices are followed.

Sod Production

It is recommended that sod be established for at least six (6) months before an application of F9001-2 0.9 G HERBICIDE ON FERTILIZER. Do not apply this product within three (3) months of harvest.

Other Use Precautions

Do not apply to golf course putting greens or tees.

Do not use on turgrasses other than those listed on this label.

Do not graze or feed livestock, forage cut from areas treated with F9001-2 0.9 G HERBICIDE ON FERTILIZER.

Do not apply to areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (*Poa annua*) are desirable species.

Do not apply to creeping bentgrass if mowing height is less than 0.5 inch.

Do not apply to newly set sod until the sod has rooted and exposed edges have grown in.

Do not mulch vegetables or fruit trees with clippings from turf treated with F9001-2 0.9 G HERBICIDE ON FERTILIZER.

Do not apply with adjuvants or surfactants.

Temporary turfgrass discoloration has been observed when Primo has been either tank-mixed or applied within 7 days of a F9001-2 0.9 G HERBICIDE ON FERTILIZER application. It is recommended that Primo applications be made 7 days prior to, or after F9001-2 0.9 G HERBICIDE ON FERTILIZER application to reduce risk of turfgrass discoloration.

ADDITIONAL USE INSTRUCTIONS

Preemergence control of annual broadleaf weeds and Sedges

F9001-2 0.9 G HERBICIDE ON FERTILIZER will control or suppress the weeds listed in Table 2. When applied prior to weed germination, apply F9001-2 0.9 G HERBICIDE ON FERTILIZER at a rate of 125 to 292 lbs/acre. To broaden the weed spectrum and increase effectiveness for certain weeds listed in Table 2, F9001-2 0.9 G HERBICIDE ON FERTILIZER may be in conjunction with other EPA registered pre-emergence herbicides. Follow all label restrictions, use directions and precautionary statements before using other product with F9001-2 0.9 G HERBICIDE ON FERTILIZER. Control of emerged annual grass weeds may be improved by combining F9001-2 0.9 G HERBICIDE ON FERTILIZER with other post emergence herbicides.

POSTEMERGENCE CONTROL OF ANNUAL, BIENNIAL & PERENNIAL BROADLEAF WEEDS

F9001-2 0.9 G HERBICIDE ON FERTILIZER Herbicide will control or suppress the weeds listed in Table 2 when applied alone shortly after weeds have emerged. Apply F9001-2 0.9 G HERBICIDE ON FERTILIZER herbicide at rates from 70 to 37 lbs/acre (0.94 to 2.24 lbs./1,000 sq. ft.). To broaden the weed spectrum and increase effectiveness for certain weeds listed in Table 2, F9001-2 0.9 G HERBICIDE ON FERTILIZER Herbicide may be used with other EPA registered postemergence herbicides. Follow all label restrictions, use directions and precautionary statements before using other product with F9001-2 0.9 G HERBICIDE ON FERTILIZER. Control of emerged annual grass weeds may be improved by combining F9001-2 0.9 G HERBICIDE ON FERTILIZER with other registered post emergence herbicides.

*Do not use on food producing trees, vines, or plants

Railroad Rights-of-Way

Controls many weeds and maintains bare ground on railroad rights-of-way, including railroad yards, railroad crossings and railroad bridge abutments.

Highway, Roadside, Pipeline and Utility Rights-of-Way

Controls many weeds and maintains bare ground in highway, roadside, pipeline and utility rights-of-way. Such areas would include, but are not limited to, guardrails, road shoulders, electric utility substations, pipeline pumping stations, around electric transmission towers, around distribution line poles plus other areas where complete vegetation control is desired.

Industrial Areas, Fence Rows and Other Non-crop Sites

Controls weeds and maintains bare ground in industrial areas including production facilities, tank farms, storage areas, parking areas, lumber yards, airports, military installations, along fence rows, and in similar non-crop sites where complete vegetation control is needed.

CONDITIONS OF SALES AND LIMITATIONS 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, 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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