

279-3273

3-21-2003

Yellow 1/5



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
279-3273

Date of Issuance:
MAR 21 2003

Term of Issuance:
Conditional

Name of Pesticide Product:
F8426 EC Herbicide

NOTICE OF PESTICIDE:
 x Registration
 Reregistration

(under FIFRA, as amended)

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/cite all data required for the registration/reregistration review of your product when the Agency requires all registrants of similar products to submit such data.
2. Make the following label changes:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. 279-3273".
3. Submit one copy of the revised final printed label for the record.

A stamped copy of the label is enclosed for your records.

Signature of Approving Official:

Date:

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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.

Joanne I. Miller
Product Manger (23)
Herbicide Branch
Registration Division (7505C)

Enclosure

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F8426 EC

Herbicide

EPA Reg. No 279-

EPA Est. 279-

Active Ingredient:

By Wt.

Carfentrazone-ethyl: Ethyl α ,2-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]-4-fluorobenzenepropanoate.....22.3%

Inert Ingredients:.....77.7%
100.0%

This product contains 2.0 pounds active ingredient per gallon

Contains Petroleum Distillates
U.S. Patent No. 5,125,958

KEEP OUT OF REACH OF CHILDREN

CAUTION

See other panels for additional precautionary information.

FIRST AID

IF INHALED: 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.

IF ON SKIN OR CLOTHING: 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: 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 SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. 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.

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.

Note to Physician: F8426 EC is expected to have low oral and dermal toxicity, and moderate inhalation toxicity. It is expected to be slightly irritating to the skin and minimally irritating to the eyes. Treatment is otherwise controlled removal of exposure followed by symptomatic and supportive care. This product may pose an aspiration pneumonia hazard.

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



FMC Corporation
Agricultural Products Group
Philadelphia PA 19103

PRECAUTIONARY STATEMENTS

Hazards to Humans (and Domestic Animals)

CAUTION

Harmful if swallowed, absorbed through the skin or inhaled. Causes moderate eye irritation. Avoid breathing vapors. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling.

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 pesticide gets inside. Then wash thoroughly and put on clean clothing.

Environmental Hazards

F8426 EC is very toxic to algae and moderately toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark, except as specified on this label. Do not contaminate water when disposing of equipment washwaters.

Physical/Chemical Hazards

FLAMMABLE

Do not use or store near heat or open flame.

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.

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. Do not enter treatment area until spray has dried.

ACCEPTED
with COMMENTS
in EPA Letter Dated

MAR 21 2003

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

279-3273

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STORAGE AND DISPOSAL

Pesticide Storage

Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food, or feed by inappropriate storage or disposal.

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

To confine spill: Dike surrounding area. Dispose of in accordance with information given under Pesticide Disposal. Wash spill area with water, absorb with sand, cat litter or commercial clay, sweep up and dispose of in an approved manner. Place damaged container in a large holding container. Identify contents per required hazardous waste labeling regulations.

Pesticide Disposal

Waste resulting from the use of this product may be disposed of at an approved waste disposal facility.

Container Disposal

Triple rinse (or equivalent). Then offer for approved pesticide container recycling program, or puncture and dispose of in an approved waste disposal facility. Provided on site incineration is allowed by state and local authorities, stay out of smoke.

GENERAL INFORMATION

F8426 EC is an emulsifiable formulation. It is designed to be mixed with water and applied to ornamental lawns and turfgrass for selective postemergent control of broadleaf weeds. Weed control is best when the product is applied to small actively growing weeds (1-4 inches in height). F8426 EC is a contact herbicide with little or no residual activity at recommended use rates.

F8426 EC is rapidly absorbed through the foliage of plants. The herbicide is rainfast within one hour after application. Within a few hours following application, the foliage of susceptible weeds show signs of desiccation, and in subsequent days necrosis and death of the plant. Due to environmental conditions and certain spray tank additives, some herbicidal symptoms may appear on turfgrass.

Extremes in environmental conditions e.g. temperature and moisture, soil conditions, and cultural practices may effect the activity of F8426 EC. Under warm moist conditions, herbicide symptoms may be accelerated. While under very dry conditions, the expression of herbicide symptoms is delayed, and weeds hardened off by drought are less susceptible to F8426 EC.

Unless specified on this label, do not tank mix F8426 EC with other herbicides.

Mixing and Loading Instructions

Fill the spray tank 3/4 full with clean water. Make sure the agitation system is operating. Add the recommended amount of F8426 EC and complete filling the spray tank to the desired level. The spray tank agitation should be sufficient to ensure uniform spray mixture during application. When tank mixing with other products, F8426 EC should be mixed first in the spray tank. After the product is thoroughly mixed, add the other products as specified on their label. Ensure the compatibility of other products with F8426 EC before mixing them in the tank.

Do not use with tank additives that alter the pH of the spray solution below pH5 or above pH8. Buffer spray solution to alter the pH range as appropriate.

Ground Applications

For best spray distribution and coverage, select a spray volume and delivery system that will ensure accurate and uniform coverage. Use a boom sprayer equipped with appropriate nozzles, tips, and screens. Use flat fan nozzle tips and in-line strainers equipped with no finer than 50 mesh screens.

Do not use flood nozzles, Raindrop®, or nozzle tips larger than 8008. Spray droplets larger than 400 microns may reduce coverage and subsequent loss in weed control. Applications should be made using spray volumes of 5-175 gallons per acre. Use higher spray volumes when there is a dense weed population or crop canopy. Use spray pressures of 20-40 psi.

Do not apply when conditions are conducive to spray drift or poor spray coverage.

Before using sprayer equipment exposed to F8426 EC, clean equipment thoroughly using the following procedure:

1. Drain sprayer tank, hoses, and boom and thoroughly rinse the inside of the sprayer tank free of visible sediment and residues. Flush thoroughly sprayer hoses, boom and nozzles.

2. Fill the tank one-half (1/2) full with clean water, and add appropriate detergent (follow manufacturer's directions for use). Fill the tank to capacity and operate the sprayer for 15 minutes to flush hoses, boom and nozzles.
3. Drain the sprayer system. Rinse the tank with clean water and flush through the hoses and boom. Remove and clean nozzles separately.

Turfgrass and Sites

F8426 EC is intended to be applied by lawn care operators, maintenance applicators, and service technicians for use in ornamental lawns and turf established in institutional, ornamental, and residential/domestic sites. Institutional sites are defined as turf areas around properties or facilities providing a service to public or private organizations including, but not limited to hospitals, nursing homes, schools, museums, libraries, sports facilities, golf courses, and office buildings. Ornamental sites include turfgrass established around residences, parks, streets, retail outlets, cemeteries, industrial and institutional buildings. Finally, residential/domestic sites are defined as areas associated with the household or home life including, but not limited to apartment complexes, condominiums, and patient care areas of nursing homes, mental institutions, hospitals, or convalescent homes.

Newly seeded and established turf of Kentucky bluegrass, perennial ryegrass, tall fescue, fine leaf fescues, and creeping bentgrass may be treated. Common bermudagrass, hybrid bermudagrass, bahiagrass, zoysiagrass, St. Augustinegrass, and centipedegrass may be treated. Do not apply this product to carpetgrass, dichondra, nor on lawns or turf where desirable clovers are present.

The turfgrass tolerance to F8426 EC varies and temporary turf phytotoxicity may be expected. Also, the use of F8426 EC on varieties (F. hybrids) of hybrid bermudagrass may result in unacceptable injury (damage, phytotoxicity).

Application schedules for ornamental lawns and turfgrass

Early postemergent applications of F8426 EC alone are recommended. Apply F8426 EC to broadleaf weeds that are emerged and actively growing (1-4 inches in height).

F8426 EC may be tank mixed with other herbicides EPA-registered for use on ornamental lawns and turfgrass to broaden the weed control spectrum compared to the products alone. *Unless specified on this label, do not tank mix with other herbicides.* Observe all precautions, instructions, limitations and guidelines of each product's label when tank mixing.

Tank mixtures are recommended for more mature weeds (greater than 1-4 inches in height) and for dense infestations of annual, biennial, and perennial weeds. Sequential or follow-up applications may be required for dense infestations of perennial and biennial broadleaf weeds.

Use rates and spray volumes for ornamental lawns and turfgrass

Use rates and spray volumes of F8426 EC and tank mixtures for use in ornamental lawns and turfgrass are presented in Table 1.

Generally, the lower application rates within the specified range will provide satisfactory control of sensitive weed species. The higher application rates within the specified range will be required for dense infestations of perennial weeds, for adverse/extreme environmental conditions, or for weeds beyond the appropriate growth stages.

The maximum application rate of this product to turfgrass is 2.22 ounces of product (0.031 pounds of carfentrazone-ethyl) per acre per application site. The maximum number of broadcast applications to turfgrass is three (3) per year.

The maximum seasonal rate of carfentrazone-ethyl contained in this product with three (3) broadcast applications to turfgrass is 6.7 ounces of product (0.093 pounds of carfentrazone-ethyl) per acre per season. The retreatment interval for sequential broadcast applications of this product on turfgrass is two (2) to six (6) weeks depending upon the growth stages of the target weeds.

Application schedules for ornamental lawns and turfgrass

Species	F8426 EC Ozs. of product /Acre	Tank Mixtures of F8426 EC, Ozs of product/Acre	Spray Volumes Gallons/Acre
Cool Season Turf			
Kentucky Bluegrass	1.15 to 2.22 ounces	≤ 2.22 ounces	5 to 175
Perennial Ryegrass	1.15 to 2.22 ounces	≤ 2.22 ounces	5 to 175
Fescue spp.	1.15 to 2.22 ounces	≤ 2.22 ounces	5 to 175
Creeping Bentgrass	1.15 to 2.22 ounces	≤ 2.22 ounces	5 to 175
Warm Season Turf			
Common Bermudagrass	1.15 to 2.22 ounces	≤ 2.22 ounces	5 to 175
Bahiagrass	1.15 to 2.22 ounces	≤ 2.22 ounces	5 to 175
Zoysiagrass	1.15 to 2.22 ounces	≤ 2.22 ounces	5 to 175
Centipedegrass	1.15 to 2.22 ounces	≤ 2.22 ounces	5 to 175
Hybrid Bermudagrass	0.57 to 1.43 ounces	≤ 1.43 ounces	5 to 175
St. Augustinegrass	0.57 to 1.43 ounces	≤ 1.43 ounces	5 to 175

Tank mixtures for postemergent applications for ornamental turfgrass

F8426 EC Herbicide may be applied in combination with one or more of the following herbicides for improved control of broadleaf weeds (Table 2). *Unless specified on this label, do not tank mix with other herbicides.* These tank mixtures must be used according to the most restrictive label limitations and precautions. No label dosage rate should be exceeded. Follow the labeling of each companion product for precautionary statements, directions for use, dosage rates, and application schedules. Tank mixture recommendations are for use only in states where the companion products and application site are registered. In addition, certain states or geographic regions may have established dosage rate limitations. Consult your state Pesticide Control Agency for additional information regarding the maximum use rates.

Table 2. Tank mixtures for postemergent applications for ornamental turfgrass

Common Name
2,4-D, diethanolamine and/or dimethylamine salts
2,4-D, isooctyl (2-ethylhexyl) ester
2,4-D, acid mixtures
Mecoprop, dimethylamine salts
2,4-D, mecoprop, and dicamba, dimethylamine salts
2,4-D, dichloroprop and dicamba, isooctyl (2-ethylhexyl) ester
MCPA, dimethylamine salt
MCPA, mecoprop, and dicamba, acid mixtures
MCPA, mecoprop and dicamba, dimethylamine salts
2,4-D, mecoprop and dicamba, dimethylamine salts, and MSMA

When applied as directed, F8426 EC alone or with specified tank mixtures will control the following weeds:

Partial List of Broadleaf Weeds (up to 4 inches)		
Bedstraw, catchweed	Ground ivy	Plantain (buckhorn, narrow leaf)
Burtonweed, virginia	Henbit	Purslane
Burweed, lawn	Lambsquarters, common	Speedwell, corn
Chickweed	Pennycress, field	Spurge, spotted
Clover, white	Pigweed (prostrate, redroot, smooth)	
Dandelion		

Dealers Should Sell in Original Packages Only

Terms of Sale or Use: On purchase of this product buyer and user agree to the following conditions:

Warranty: FMC makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Except as so warranted, the product is sold as is. Buyer and user assume all risk of use and/or handling and/or storage of this material when such use and/or handling and/or storage is contrary to label instructions.

Use of Product: FMC's recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice.

Damages: Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damages.

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