



# Dismiss™

TURF HERBICIDE

For Selective Weed Control in Turf Sites Including Residential and Institutional Lawns, Athletic Fields, Commercial Sod Farms, Golf Course Fairways and Roughs.

EPA Reg. No 279-3295

EPA Est. 279-

<b>Active Ingredient:</b>	<b>By Wt.</b>
Sulfentrazone* .....	39.6%
<b>Other Ingredients:</b> .....	60.4%
	<u>100.0%</u>

\*N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]methanesulfonamide.  
Contains 4.0 pounds of active ingredient per gallon.  
U.S. Patent No. 4,818,275

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

See other panels for additional precautionary information.



FMC Corporation  
Agricultural Products Group  
Philadelphia PA 19103

**Net Contents: 1 Pint**

3-24-06-C

### FIRST AID

<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>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 further 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 swallowed</b>	<ul style="list-style-type: none"> <li>• Call a 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>

### HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-331-3148 for emergency medical treatment information.

**For Information Regarding the Use of this Product Call 1-800-321-1FMC (1362).**

### PRECAUTIONARY STATEMENTS

#### Hazards to Humans (and Domestic Animals) CAUTION

Causes moderate eye irritation. Harmful if inhaled, swallowed, or absorbed through skin. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes or clothing.

#### 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

This pesticide 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 washwaters or rinsate.

**Groundwater advisory:** This chemical 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. Do not enter treatment area until spray has dried.

## 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.

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: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, 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

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture 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.

## GENERAL INFORMATION

### Turf Use Instructions

Dismiss turf herbicide is a selective post emergence herbicide which controls broadleaf weeds and sedges in established turf areas including, but not limited to, residential and institutional lawns, athletic fields, commercial sod farms, golf course fairways and golf course roughs.

Dismiss turf herbicide is formulated as a flowable (suspension concentrate) containing 4 lbs of active ingredient per gallon. The mode of action of Dismiss turf herbicide involves uptake by both weed roots and shoots.

### Mixing and Application Instructions

#### General handling instructions

This product may not be mixed or loaded within 50 feet of any wells (including abandoned wells and drainage wells), sink holes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas.

Operations that involve mixing, loading, rinsing or washing of this product into or from pesticide handling or application equipment or containers within 50 feet of any well, are prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or wash water, and rainwater that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain at a minimum 110% of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment capacity of 100% of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above specific minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operational containment.

Product must be used in a manner which will prevent back siphoning in wells, spills or improper disposal of excess pesticide, spray mixtures or rinsates.

#### SPRAY TANK PREPARATION

It is important that spray equipment is clean and free of existing pesticide deposits before using this product. Follow the spray tank clean out procedures specified on the label of product previously applied before adding Dismiss turf herbicide to the tank.

Dismiss turf herbicide is a suspension concentrate intended for dilution with water. In certain applications, liquid fertilizer may replace water as diluent.

#### MIXING WITH WATER

For best results, fill spray tank with one fourth of the volume of clean water needed for the area to be treated. Start the agitation system and add Dismiss turf herbicide to the tank. Make sure Dismiss turf herbicide is thoroughly mixed before application or before adding another product to the spray tank.

## MIXING WITH LIQUID FERTILIZERS

Utilize local recommendations for sources and rates of fertilizer and refer to mixing directions on the fertilizer labels (e.g. UAN or urea solutions). Determine the compatibility of this product with the desired fluid fertilizer by mixing small proportional quantities in advance (See the "TANK MIXTURES COMPATIBILITY" section below)

## TANK MIXTURES COMPATIBILITY

Dismiss turf herbicide is believed to be compatible with most herbicides, fungicides, insecticides, growth regulators, liquid fertilizers and spray adjuvants commonly used in turf and ornamental plant management. However, when preparing a new tank mix conduct an appropriate compatibility test by mixing proportional amounts of all spray ingredients in a test vessel (jar) prior to tank mixing with other products. Shake the mixture vigorously and allow it to stand for five to ten minutes. Rapid precipitation of the ingredients and failure to re-suspend when shaken indicates that the mixture is incompatible and should not be applied. Provided the jar test indicates the mixture to be compatible, prepare the tank mixture as follows: Fill the tank one fourth full with water. With the agitator operating, add the recommended amounts of ingredients using the following order: dry granules first, and liquid suspensions (flowables) second. As the agitation continues and the tank is filled with water add EC products third followed by the addition of water soluble products.

Read and observe mixing instructions of all tank mix partners. Also read each product's label for Directions for Use, Precautionary Statements and Restrictions and Limitations. The most restrictive labeling applies in all tank mixtures. No label dosage rate should be exceeded. Tank mixture recommendations are for use only in states where the companion products and application site are registered. In addition, certain states or geographical regions may have established dosage rate limitations. Consult your state Pesticide Control Agency for additional information regarding the maximum use rates.

Use Dismiss turf herbicide spray mixture immediately after mixing. Do not store the mixture.

## Ground Equipment

**Power sprayers:** Uniform and accurate spray coverage requires proper calibration and operation of spray equipment. The use of marker dyes or foams can improve application accuracy. Boom sprayers equipped with appropriate flat fan nozzles, tips and screens are ideal for broadcast applications. Power sprayers fitted with spray wand/gun may also be used for broadcast application after careful calibration by the applicator. Power sprayers fitted with spray wand/gun are suitable for spot treatments.

**Hand operated sprayers:** Backpack and compression sprayers are appropriate for small turfgrass areas and spot treatments. Wands fitted with a flat fan nozzle tip should be held stationary at the proper height during application. A side to side or swinging arm motion can result in uneven coverage.

Apply this product in a sufficient volume of carrier solution to provide a uniform spray distribution. Spray volumes of 20 – 175 gallons per acre (0.5 to 4.0 gal/1,000 sq ft) with spray pressures adjusted to 20 – 40 psi are appropriate. Apply the higher spray volumes for dense weed populations.

## Sprayer Equipment Clean-Out

**After spraying Dismiss turf herbicide and before using sprayer equipment for any other applications, the sprayer must be thoroughly cleaned using the following procedure:**

1. Drain sprayer tank, hoses, and spray boom and thoroughly rinse the inside of the sprayer tank with clean water to remove sediment and residues. In addition, thoroughly flush sprayer hoses, boom, and nozzles with clean water.
2. Fill the tank 1/2 full with clean water, and add appropriate detergent or ammonia (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, boom, and nozzles. Remove and clean spray tips and screens separately.
4. Properly dispose of all cleaning solution and rinsate in accordance with Federal, State and local regulations and guidelines.

Do not drain or flush equipment on or near desirable trees or plants. Do not contaminate any body of water including irrigation water that may be used on other plants.

## Weed Control in Turfgrasses

### Use Precautions for Turf Use

#### Turfgrass Safety

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 could 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 Dismiss turf herbicide at the recommended use rates in a range from 0.125 to 0.375 lb a.i./acre (4 to 12 fl. oz./acre or 0.092 to 0.275 fl. oz./1,000 sq. ft).

**Table 1. Tolerant grasses.**

Grass Type	Maximum Use Rate Single Application	
<b>Cool Season Grasses</b>	lb ai/A	
Bentgrass, creeping Fescue, fine* ( <i>Festuca rubra</i> ) Fescue, tall* ( <i>Festuca arundinacea</i> ) Ryegrass, perennial ( <i>Lolium perenne</i> )	.125	
Bluegrass, Kentucky ( <i>Poa pratensis</i> )	.25	
<b>Warm Season Grasses</b>		
Bahiagrass ( <i>Paspalum notatum</i> ) Buffalograss ( <i>Buchloe dactyloides</i> ) Carpentergrass ( <i>Axonopus affinis</i> ) Centipede ( <i>Eremochloa ophiuroides</i> ) Kikuyugrass ( <i>Pennisetum clandestinum</i> ) Seashore Paspalum ( <i>Paspalum vaginatum</i> ) Zoysiagrass ( <i>Zoysia japonica</i> )	.25	
Bermudagrass ( <i>Cynodon dactylon</i> ) & hybrids	.375	

\* Use of this product on certain varieties of Chewings Fine Fescue or Tall Fescue cultivars may result in undesirable injury.

Not all varieties of grasses have been tested. Consult your local FMC Technical Representative for additional recommendations on variety types.

#### Application to reseeded, overseeded or sprigged areas:

Reseeding, overseeding or sprigging of treated areas within three (3) months after application of this product could inhibit the establishment of desirable grasses. Overseeding of bermudagrass with perennial ryegrass at four (4) to six (6) weeks after an application can be done if slight injury to perennial ryegrass can be tolerated.

Best results are obtained for reseeded or overseeded when mechanical or power seeding equipment (sliit 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 Dismiss turf herbicide.

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 turfgrasses other than those listed on this label.

Do not apply with surfactants unless previous experience has demonstrated combinations with surfactant to be physically compatible and non-injurious to the grass type in question.

Do not graze or feed livestock forage cut from areas treated with Dismiss turf herbicide.

Do not apply directly to landscape ornamentals or ornamental beds.

## POSTEMERGENCE CONTROL OF SEDGES INCLUDING NUTSEDGES

Dismiss turf herbicide will control or suppress sedges (Table 2) when applied at a rate of 4 to 12 fl oz/acre (0.092 to 0.275 fl. oz./1,000 sq. ft.). Apply the highest rate consistent with the rate needed for turf safety in Table 1. Rates lower than 12 fl oz/acre (0.275 fl. oz./1,000 sq. ft.) will generally control sedges for at least 60 days.

Good spray coverage is needed for optimum control of sedges. Use 0.25 percent v/v of a nonionic surfactant (1 quart per 100 gallons of spray solution) for broadcast applications. For high volume applications do not exceed 1 quart of surfactant per acre. Temporary discoloration of some turf species may result from use of surfactant.

**Table 2. Sedge species controlled or suppressed by Dismiss turf herbicide**

Common Name	SCIENTIFIC NAMES
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, cylindrical	( <i>Cyperus retrorsus</i> )
Sedge, globe	( <i>Cyperus globulosus</i> )
Sedge, Surinam	( <i>Cyperus surinamensis</i> )
Sedge, Texas	( <i>Cyperus polystachyos</i> )

**POSTEMERGENCE CONTROL OF ANNUAL, BIENNIAL & PERENNIAL BROADLEAF WEEDS**

Dismiss turf herbicide will control or suppress the weeds listed in Table 3 when applied alone shortly after weeds have emerged. Apply Dismiss turf herbicide at rates from 4 to 12 fl. oz./acre (0.092 to 0.275 fl. oz./1,000 sq. ft.). Do not exceed the application rate specified for the turf species in Table 1. To broaden the weed spectrum and increase effectiveness for certain weeds listed in Table 3, Dismiss turf herbicide may be tank mixed with other EPA registered postemergence herbicides. Read the label recommendations of the tank mix partner to determine grass species safety, use rate and application procedures. Follow all label restrictions, use directions and precautionary statements before using these tank mixtures. Read and follow the "TANK MIXTURES COMPATIBILITY" section of this label for instructions on how to determine the compatibility of tank mixtures.

When used as directed Dismiss turf herbicide will control or suppress the following weeds.

**Table 3. Weeds controlled or suppressed by Dismiss turf herbicide**

BROADLEAVES	SCIENTIFIC NAMES
Bittercress	( <i>Cardamine spp.</i> )
Black medic	( <i>Medicago lupulina</i> )
Buttercups	( <i>Ranunculus spp.</i> )
Carolina geranium	( <i>Geranium carolinianum</i> )
Carpetweed	( <i>Mollugo verticillata</i> )
Chickweed, common	( <i>Stellaria media</i> )
Chickweed, mouseear	( <i>Cerastium vulgatum</i> )
Cinquefoil	( <i>Potentilla spp.</i> )
Clover	( <i>Trifolium spp.</i> )
Cudweed	( <i>Gnaphalium spp.</i> )
Dandelion	( <i>Taraxacum officinale</i> )
Dock, Curly	( <i>Rumex crispus</i> )
Evening primrose	( <i>Oenothera biennis</i> )
Fiddleneck	( <i>Amsinckia spp.</i> )
Filaree	( <i>Erodium spp.</i> )
Goldenrod	( <i>Solidago spp.</i> )
Ground ivy	( <i>Glechoma 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> )
Pigweed, Redroot	( <i>Amaranthus retroflexus</i> )
Pigweed, Tumble	( <i>Amaranthus albus</i> )
Pineapple weed	( <i>Matricaria matricarioides</i> )
Plantain, buckhorn	( <i>Plantago lanceolata</i> )
Puncture weed	( <i>Tribulus terrestris</i> )
Purslane, common	( <i>Portulaca oleracea</i> )
Pusley, Florida	( <i>Richardia scabra</i> )
Redweed	( <i>Melochia corchorifolia</i> )
Rocket, London	( <i>Sisymbrium irio</i> )
Smartweed, Pennsylvania	( <i>Polygonum pennsylvanicum</i> )
Sorrel, Red	( <i>Rumex acetosella</i> )
Speedwell	( <i>Veronica spp.</i> )
Spurge, (annuals)	( <i>Euphorbia spp.</i> )
Spurge, prostrate	( <i>Euphorbia humistrata</i> )
Spurge, spotted	( <i>Euphorbia maculata</i> )
Star of Bethlehem	( <i>Ornithogalum umbellatum</i> )
Velvetleaf	( <i>Abutilon theophrasti</i> )
Violet, wild	( <i>Viola pratensis</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> )

**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 should 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. 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 permitted by law, FMC or seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. 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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