

279-3355

08-17-2010

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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

AUG 17 2010

Mr. Michael C. Zucker  
FMC Corporation – Agricultural Products Group  
1735 Market Street  
Philadelphia, PA 19103

Subject: Notification: Revised Container Disposal Instructions per PR Notice 2007-4:  
Solitare 75 WG Herbicide/F7214  
EPA Reg. No. 279-3355  
Your Application Dated June 18, 2010

Dear Mr. Zucker:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 for the subject product.

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4 and finds that the label changes requested fall within the scope of PRN-2007-4. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please call me directly at (703) 305-1243 or Susan Stanton of my staff at (703) 305-5218.

Sincerely,

A handwritten signature in cursive script that reads "Susan L. Stanton, for".

Kathryn Montague, Product Manager 23  
Herbicide Branch  
Registration Division (7505P)  
Office of Pesticide Program



United States  
**Environmental Protection Agency**  
 Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number

**Application for Pesticide - Section I**

1. Company/Product Number FMC Corporation/ 279-3355	2. EPA Product Manager Kathryn V. Montague	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) FMC Corporation/Solitare 75 WG Herbicide	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) FMC Corporation - Agricultural Products Group 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. <u>279-3355</u> Product Name <u>Solitare 75 WG Herbicide</u>	

**Section - II**

Amendment - Explain below.  Final printed labels in response Agency letter dated **NOTIFICATION**  
 Resubmission in response to Agency letter dated \_\_\_\_\_  "Me Too" Application. **AUG 17 2010**  
 Notification - Explain below.  Other - Explain below.

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

Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

**Section - III**

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt No. per container

3. Location of Net Contents Information  
 Label  Container

4. Size(s) Retail Container

5. Location of Label Directions  
 on label/container

6. Manner in Which Label is Affixed to Product  
 Lithograph Paper glued Stenciled  Other \_\_\_\_\_

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name Michael C. Zucker	Title Senior Registration & Label Specialist	Telephone No. (Include Area Code) (215)299-5876
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**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.

2. Signature 	3. Title Senior Registration & Label Specialist	6. Date Application Received (Stamped)
4. Typed Name Michael C. Zucker	5. Date June 18, 2010	

# FMC Agricultural Products

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**FMC Corporation**  
1735 Market Street  
Philadelphia, PA 19103  
215.299.6000 Phone  
www.fmc.com

June 18, 2010

Ms. Kathryn V. Montague (PM-23)  
Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
One Potomac Yard, Room S-4900  
2777 S. Crystal Drive  
Arlington, VA 22202

Dear Ms. Montague:

Subject: Solitare 75 WG Herbicide  
EPA Reg. No. 279-3355

Label Notification per PR Notice 2007-4

FMC is submitting revised labeling via the notification process for the subject product. The container disposal section of the label has been modified and is consistent with PR Notice 2007-4.

If I can be of any further assistance, please feel free to contact me at (215) 299-5876 or by e-mail at [mike.zucker@fmc.com](mailto:mike.zucker@fmc.com).

Sincerely,



Michael C. Zucker  
Senior Registration & Label Specialist  
FMC Corporation  
Agricultural Products Group

Enclosures:  
Cover Letter  
EPA Form 8570-1  
One (1) copy of the revised label for Solitare 75 WG Herbicide with changes highlighted in red text.  
Electronic Pesticide Label CD-ROM for Solitare 75 WG Herbicide.

**FMC**

# Solitare 75 WG Herbicide

For Selective Weed Control in turf Including Residential, Commercial and Institutional Lawns, Athletic Fields, Commercial Sod Farms, Golf Course Fairways and Roughs, and Other Non-crop Sites

<b>EPA Reg. No. 279-3355</b>	<b>EPA Est. XXX</b>
<b>Active Ingredient:</b>	<b>By Wt.</b>
Sulfentrazone*	18.75%
Quinclorac*	56.25%
Other Ingredients:	25.00%
<b>Total:</b>	<b>100.0%</b>

**NOTIFICATION**

**AUG 17 2010**

\*Solitare 75WG Herbicide contains 0.75 pounds of active ingredient per one pound of product (0.1875 pounds a.i. of Sulfentrazone and 0.5625 pounds a.i. of Quinclorac)

U.S. Patent No. XXXXXXXXXX

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

See other panels for additional precautionary information.

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)	

**Net Contents:**



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

06-18-10

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## PRECAUTIONARY STATEMENTS

### Hazards to Humans (and Domestic Animals)

#### CAUTION

Harmful if swallowed. Avoid contact with skin or clothing. Causes moderate eye irritation.

#### 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: 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: SOLITARE 75WG HERBICIDE can contaminate surface water through spray drift. Under some conditions, SOLITARE 75WG 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.

## 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), notification to workers, and restricted-entry interval. The requirements in this box 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.
- 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**

**Metal or Plastic Containers** - Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: **(For containers greater than 5 gallons)** Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **(For containers 5 gallons or less)** Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Then offer for recycling if available, or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Do not cut or weld metal containers.

**Returnable/Refillable Containers** - Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

**Turf Use Instructions**

**General Information**

SOLITARE 75WG HERBICIDE is a selective post-emergence herbicide which controls annual grasses, broadleaf weeds and sedges in established turf areas including, but not limited to, residential, commercial and institutional lawns, athletic fields, commercial sod farms, golf course fairways and golf course roughs.

SOLITARE 75WG HERBICIDE is formulated as a 75 WG (Water Dispersible Granule) containing 0.75 lbs of active ingredient per pound of product. SOLITARE 75WG HERBICIDE is absorbed by shoots, foliage and roots.

A post emergent application of SOLITARE 75WG HERBICIDE is improved when adequate soil moisture is present at application. Best weed control results will be obtained when no rainfall or irrigation occurs within 24 hours after application. If no rainfall or irrigation occurs within 7 days after application of SOLITARE 75WG HERBICIDE in the amount of 0.5 inches, then irrigation of at least 0.5 inches is recommended..

## 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 SOLITARE 75WG HERBICIDE to the tank.

SOLITARE 75WG HERBICIDE is a water dispersible granule intended for dilution with water. Mix SOLITARE 75WG HERBICIDE thoroughly and continue agitation during application. If SOLITARE 75WG HERBICIDE is left standing for extended period of time in spray tank, re-agitate to assure uniform suspension of product in spray mixture.

### 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 SOLITARE 75WG HERBICIDE to the tank. Make sure SOLITARE 75WG HERBICIDE is thoroughly mixed before application or before adding another product to the spray tank.

### USE OF SURFACTANTS

Temporary discoloration of some turf types may result from use of surfactants or adjuvants with SOLITARE 75WG HERBICIDE. High temperatures and high relative humidity may increase the risk of temporary discoloration. Use of surfactants is not recommended.

### TANK MIXTURES COMPATIBILITY

SOLITARE 75WG HERBICIDE has been found to be compatible with most herbicides, fungicides, insecticides and growth regulators 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, then 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 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 SOLITARE 75WG HERBICIDE spray mixture immediately after mixing. Do not store the mixture.

**Ground Equipment**

Power sprayers: Uniform and accurate spray coverage requires proper calibration, agitation 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 ft<sup>2</sup>) 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 SOLITARE 75WG 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 turfgrass has developed into a uniform stand with a good root system. Turfgrass injury could result from application of this product on turfgrass 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 turfgrasses are tolerant to SOLITARE 75WG HERBICIDE at the recommended use rates in a range from 1.25 to 2.0 lb a.i./acre (26.7 to 39.95 ozs/acre or 0.0613 to 0.9182 oz./1,000 sq. ft).

Table 1. Tolerant grasses.

Grass Type*	Recommended Use Rate Single Application		
	lbs ai/A	Ounces per 1000 ft <sup>2</sup>	Ounces per acre
<b>Cool Season Grasses</b>			
Bentgrass, creeping ( <i>Agrostis spp.</i> ) Bluegrass, Kentucky ( <i>Poa pratensis</i> ) Bluegrass, Rough ( <i>Poa trivialis</i> ) Fine Fescue, ( Fescue, tall ( <i>Festuca arundinacea</i> ) Ryegrass, perennial ( <i>Lolium perenne</i> )	1.25	0.613	26.7
<b>Warm Season Grasses</b>			
Bermudagrass ( <i>Cynodon dactylon</i> ) & hybrids Buffalograss ( <i>Buchloe dactyloides</i> ) Centipedegrass ( <i>Eremochloa ophuroides</i> ) Seashore Paspalum ( <i>Paspalum vaginaum</i> ) Zoysiagrass ( <i>Zoysia japonica</i> )	1.875	0.9182	39.95



\*SOLITARE 75WG HERBICIDE has demonstrated tolerance on both cool and warm season turfgrasses. However, not all varieties have been evaluated. Turfgrass managers desiring to treat newly released varieties should first apply SOLITARE 75WG HERBICIDE to a small area prior to treatment of larger areas.

Treated turfgrass will recover with new growth. Discolored leaf tissue will be removed with mowing. To reduce potential for discoloration, do not apply SOLITARE 75WG HERBICIDE 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.

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

Reseeding, overseeding or sprigging of treated areas within one (1) month after application of this product could inhibit the establishment of desirable turfgrasses. Overseeding of bermudagrass with perennial ryegrass at two (2) to four (4) weeks after an application can be done if slight injury to perennial ryegrass can be tolerated.

Best results are obtained for reseeded 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:**

This product may be applied to established sod. Allow sod to establish a good root system, a uniform stand and to fill in the exposed edges. It is recommended that sod be established for up to three (3) months before an application of SOLITARE 75WG HERBICIDE. Do not apply this product within three (3) months of harvest.

**Restrictions and Other Use Precautions:**

- Do not apply to golf course putting greens, collars or tees.
- Do not use on turfgrasses other than those listed on this label.
- Do not apply to turfgrasses under stress.
- 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 treat pastures, rangeland, or other areas grazed or harvested for livestock forage or hay.
- Do not apply directly to landscape ornamentals or ornamental beds.
- Do not allow spray drift to contact landscape ornamentals, shrubs and trees.

Temporary turfgrass discoloration has been observed when trinexapac-ethyl products have been either tank-mixed or applied within 7 days of a SOLITARE 75WG HERBICIDE application. It is recommended that trinexapac-ethyl applications be made 7 days prior to, or after SOLITARE 75WG HERBICIDE application to reduce risk of turfgrass discoloration.

Do not use clippings as mulch or compost around flowers, ornamentals, trees or in vegetable gardens.

**POSTEMERGENCE CONTROL OF GRASS AND BROADLEAF WEEDS**

When used as directed SOLITARE 75WG HERBICIDE will control or suppress the weeds listed in Table 2 when applied alone shortly after weeds have emerged. Apply SOLITARE 75WG HERBICIDE at rates from 26.7 to 39.95 oz/acre (0.0613 to 0.9182 oz./1,000 sq. ft.). Do not exceed the application rate specified for the turfgrass species in Table 1.

**Table 2. Weeds Controlled or Suppressed by SOLITARE 75WG HERBICIDE**

Common Name	Scientific Name	Controlled	Supressed
Bittercress	( <i>Cardamine spp.</i> )		X
Barnyardgrass	( <i>Echinochloa crusgalli</i> )	1	
Black medic	( <i>Medicago lupulina</i> )	1	
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> )	1	
Crabgrass (Large and Smooth)	( <i>Digitaria spp.</i> )	1	
Cudweed	( <i>Gnaphalium spp.</i> )		X
Deergrass	( <i>Panicum cladestinum</i> )	1	
Dallisgrass	( <i>Paspalum dilatatum</i> )		X
Dandelion	( <i>Taraxacum officinale</i> )	1	
Dock, Curly	( <i>Rumex crispus</i> )		X
Dollar Weed	( <i>Hydrocotyle spp.</i> )	1	
Evening primrose	( <i>Oenothera biennis</i> )		X
Fiddleneck	( <i>Amsinckia spp.</i> )		X
Filaree	( <i>Erodium spp.</i> )		X
Foxtail Spp.	( <i>Setaria spp.</i> )	1	
Goldenrod	( <i>Solidago spp.</i> )	1	

Goosegrass	( <i>Eleusine indica</i> )	2	
Ground ivy	( <i>Glechoma hederacea</i> )	1	
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
London Rocket	( <i>Sisymbrium irio</i> )	1	
Mallow, common	( <i>Malva neglecta</i> )		X
Morningglory	( <i>Ipomea spp.</i> )	1	
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, broadleaf	( <i>Plantago major</i> )	1	
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
Signalgrass, broadleaf	( <i>Bracharia platyphylla</i> )	1	
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	
Torpedograss	( <i>Panicum repens L.</i> )		X
Velvetleaf	( <i>Abutilon theophrasti</i> )		X
Violet, wild	( <i>Viola pratensis</i> )	1	
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 (<16.oz/acre). For optimum control apply rates of at least 16oz./A in a single application. Do not exceed the application rate specified for the turf species in Table 1.
- Solitare 75WG Herbicide controls goosegrass when applied postemergent to newly emerged weeds in the 1-4 leaf stage of development.

### POSTEMERGENCE CONTROL OF ANNUAL AND PERENNIAL SEDGES

SOLITARE 75WG HERBICIDE will control or suppress sedges (Table 3) when applied at a rate of 26.7 to 39.95 oz/acre (0.0613 to 0.9182 oz./1,000 sq. ft.). Apply the highest rate consistent with the rate needed for turfgrass safety in Table 1. Rates lower than 16.0 oz/acre (0.367 oz/ 1,000 sq. ft.) will generally control sedges for up to 60 days. A rate of 16.0 oz/acre (0.367 oz/1,000 sq. ft.) will provide approximately 75% control for up to 60 days. Yellow nutsedge (*Cyperus esculentus*) is the most susceptible sedge species.

Good spray coverage is needed for optimum control of sedges. Temporary discoloration of some turfgrass species may result from use of surfactant. Use of surfactants is not recommended.

Table 3. Sedge species controlled or suppressed by SOLITARE 75WG HERBICIDE

Common Name	SCIENTIFIC NAME
Kyllinga, green	( <i>Kyllinga brevifolia</i> )
Kyllinga, false green	( <i>Kyllinga gracillima</i> )
Nutsedge, purple <sup>1</sup>	( <i>Cyperus rotundus</i> )
Nutsedge, yellow	( <i>Cyperus esculentus</i> )
Sedge, globe	( <i>Cyperus globulosus</i> )
Sedge, cylindric	( <i>Cyperus retrorsus</i> )
Sedge, Surinam	( <i>Cyperus surinamensis</i> )
Sedge, Texas	( <i>Cyperus polystachyos</i> )

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