

279-3383

11-05-2009

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Reg. Number:

279-3383

Date of Issuance:

NOV 5 2009

NOTICE OF PESTICIDE:

x Registration
Reregistration
(under FIFRA, as amended)

Term of Issuance: conditional

Name of Pesticide Product:

F7127 Turf and IVM Herbicide

Name and Address of Registrant (include ZIP Code):

FMC Corporation
1735 Market St.
Philadelphia, PA 19103

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration review of your product when the Agency requires all registrants of similar products to submit data; and submit acceptable responses required for reregistration of your products under FIFRA section 4.

2. Make the following label changes:

- a. Change the EPA Registration Number to "279-3383".
b. Under the "User Safety Recommendations" add the following statement: "Remove PPE immediately after handling the product. Wash the outside of gloves before removing."
c. Under the "Agricultural Use Requirements" section under the PPE required, revise the first statement to read: "Coveralls over long-sleeved shirt and long pants".
d. Under the "Conditions of Sale and..." section of the labeling, in the third paragraph, correct the spelling of "consistent".

Signature of Approving Official:

Joanne I. Miller
Product Manager 23
Herbicide Branch
Registration Division (7505P)

Handwritten signature: /sl

Date:

NOV 5 2009

page 2

EPA Reg. No. 279-3383

Submit one copy of the revised final printed label for the record.

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.

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

# F7127 Turf and IVM 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 Specified Non-crop Sites including Railroad Rights-of-Way, Highway, Roadside, Pipeline and Utility Rights-of-Way, Industrial Areas, Fence Rows, Container and Field grown ornamentals, Hardwood seedling nurseries and Christmas tree farms.

|                             |                     |
|-----------------------------|---------------------|
| <b>EPA Reg. No. 279-XXX</b> | <b>EPA Est. XXX</b> |
| <b>Active Ingredient:</b>   | <b>By Wt.</b>       |
| Carfentrazone-ethyl* .....  | 3.53%               |
| Sulfentrazone** .....       | 31.77%              |
| Other Ingredients: .....    | 64.7%               |
| <b>Total:</b>               | <b>100.0%</b>       |

\*F7127 Herbicide contains 0.35 pounds per US gallon of the active ingredient Carfentrazone-ethyl.  
 \*\* F7127 HERBICIDE Herbicide contains 3.15 pounds per US gallon of the active ingredient Sulfentrazone.  
 Contains Petroleum Distillates  
 3.5 pounds per gallon of total active ingredients  
 U.S. Patent Pending

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

See other panels for additional precautionary information.

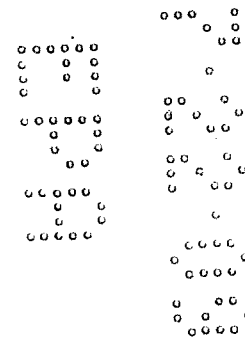
**ACCEPTED  
with COMMENTS  
In EPA Letter Dated:  
NOV 5 2009**

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

279-3383



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



| <b>FIRST AID</b>  |   |
|---|---|
| <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 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> |
| <b>HOTLINE NUMBER</b>   |   |
| 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:

Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

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:** F7127 HERBICIDE can contaminate surface water through spray drift. Under some conditions, F7127 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), and restricted-entry intervals. The requirements in this box 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
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride or viton.
- 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

Non-refillable container. Do not reuse or refill this container. Triple rinse as follows: Empty the contents into application equipment or a mix tank and drain for 10 seconds after flow begins to drip. Fill container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or 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, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration

## Turf Use Instructions

### General Information

F7127 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. F7127 HERBICIDE control susceptible weed species by contact and residual activity.

F7127 HERBICIDE is formulated as a 3.5 pound per gallon suspoemulsion containing the active ingredients carfentrazone-ethyl and sulfentrazone. F7127 HERBICIDE is absorbed by shoots, foliage and roots.

A postemergent application of F7127 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 10 days after application of F7127 HERBICIDE 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

Spray equipment must be 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 F7127 HERBICIDE to the tank.

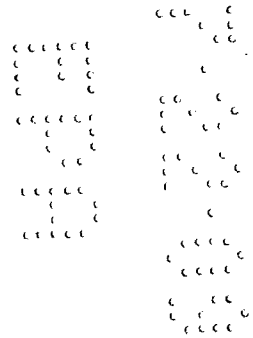
F7127 HERBICIDE is a suspoemulsion intended for dilution with water. Mix F7127 HERBICIDE thoroughly and continue agitation during application. If F7127 HERBICIDE is left standing for extended period of time in spray tank, re-agitate to assure uniform suspension of product in spray mixture. Use the F7127 HERBICIDE spray mixture immediately after mixing. Do not store the 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 F7127 HERBICIDE to the tank. Make sure F7127 HERBICIDE is thoroughly mixed before application or before adding another product to the spray tank.

#### TANK MIXTURES COMPATIBILITY

F7127 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 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 are for use only in states where the companion products and application site are registered.

**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 F7127 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 rinseate 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 F7127 Herbicide to newly seeded, sodded or sprigged turfgrass can be made following second mowing providing the grass 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 F7127 HERBICIDE at the recommended use rates in a range from 0.139 to 0.41 lb/acre (5.1 to 15.25 fl ozs/acre or 0.117 to 0.350 fl oz./1,000 sq. ft).

Table 1. Tolerant grasses.

| Grass Type  | Maximum Use Rate |                                       |                       |
|---|------------------|---------------------------------------|-----------------------|
|   | lb ai/A          | Fluid ounces per 1000 ft <sup>2</sup> | Fluid ounces per acre |
| <b>Cool Season Grasses</b>  |                  |                                       |                       |
| Bentgrass, creeping<br>Ryegrass, perennial ( <i>Lolium perenne</i> )  | 0.139            | 0.117                                 | 5.1                   |
| Bluegrass, Kentucky ( <i>Poa pratensis</i> )<br>Bluegrass, Rough* ( <i>Poa trivialis</i> )<br>Fescue, fine <sup>1</sup> ( <i>Festuca rubra</i> )<br>Fescue, tall <sup>1</sup> ( <i>Festuca arundinacea</i> )  | 0.139-0.28       | 0.117-0.234                           | 5.1-10.2              |
| <b>Warm Season Grasses</b>  |                  |                                       |                       |
| Bahiagrass <sup>2</sup> ( <i>Paspalum notatum</i> )<br>Bermudagrass ( <i>Cynodon dactylon</i> ) & hybrids<br>Buffalograss ( <i>Buchloe dactyloides</i> )<br>Carpelgrass ( <i>Axonopus affinis</i> )<br>Centipedegrass ( <i>Eremochloa ophiuroides</i> )<br>Kikuyugrass ( <i>Pennisetum clandestinum</i> )<br>Seashore Paspalum ( <i>Paspalum vaginatum</i> )<br>St. Augustinegrass ( <i>Stenolaphrum secundatum</i> ) <sup>3</sup><br>Zoysiagrass ( <i>Zoysia japonica</i> ) <sup>3</sup> | 0.28 - 0.41      | 0.234 - 0.350                         | 10.2-15.25            |

\*F7127 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 F7127 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 F7127 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 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:**

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 F7127 HERBICIDE. Do not apply this product within three (3) months of harvest.

**Other Use Precautions/Restrictions:**

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 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 F7127 HERBICIDE.

Do not apply directly to landscape ornamentals or ornamental beds.

Do not allow spray drift to contact landscape ornamentals, shrubs and trees.

It is not advisable to apply to turfgrasses under stress from drought, extreme temperature changes, disease or insect pressure, as turf damage may occur.

Temporary turfgrass discoloration has been observed when trinexapac-ethyl products have been either tank-mixed or applied within 7 days of a F7127 HERBICIDE application. It is recommended that trinexapac-ethyl applications be made 7 days prior to, or after F7127 HERBICIDE application to reduce risk of turfgrass discoloration.

**POSTEMERGENCE CONTROL OF GRASS AND BROADLEAF WEEDS**

When used as directed F7127 HERBICIDE will control or suppress the weeds listed in Table 2 when applied alone shortly after weeds have emerged. Apply F7127 HERBICIDE at rates from 5.1 to 15.25 fl oz/acre (0.117 to 0.350 fl 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 F7127 HERBICIDE**

| Common Name                  | Scientific Name                  | Controlled | Suppressed |
|------------------------------|----------------------------------|------------|------------|
| Bittercress                  | ( <i>Cardamine spp.</i> )        |            | X          |
| Barnyardgrass                | ( <i>Echinochloa crusgalli</i> ) | 1          |            |
| Bedstraw                     | ( <i>Galium aparine L.</i> )     |            | X          |
| Black medic                  | ( <i>Medicago lupulina</i> )     | 1          |            |
| Buttercups                   | ( <i>Ranunculus spp.</i> )       |            | X          |
| Buttonweed                   | ( <i>Malva neglecta Wallr</i> )  |            | X          |
| Caroliná geranium            | ( <i>Geranium carolinianum</i> ) | 1          |            |
| Carpetweed                   | ( <i>Mollugo verticillata</i> )  | 1          |            |
| Chickweed, common            | ( <i>Stellaria media</i> )       | 1          |            |
| Chickweed, mousear           | ( <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> )        | 1          |            |
| Cudweed                      | ( <i>Gnaphalium spp.</i> )       |            | X          |
| Deergrass                    | ( <i>Panicum clandestinum</i> )  | 1          |            |
| Dallisgrass                  | ( <i>Paspalum dilatatum</i> )    |            | X          |
| Dandelion                    | ( <i>Taraxacum officinale</i> )  |            | X          |
| Dock, Curly                  | ( <i>Rumex crispus</i> )         |            | X          |
| Dollar Weed                  | ( <i>Hydrocotyle spp.</i> )      | 1          |            |
| Eclipta                      | ( <i>Eclipta spp.</i> )          | 1          |            |
| Evening primrose             | ( <i>Oenothera biennis</i> )     |            | X          |
| Fiddleneck                   | ( <i>Amsinckia spp.</i> )        | 1          |            |
| Filaree                      | ( <i>Erodium spp.</i> )          | 1          |            |
| Florida Pusley               | ( <i>Richardia Scabra</i> )      |            |            |
| Foxtail Spp.                 | ( <i>Setaria spp.</i> )          | 1          |            |
| Goldenrod                    | ( <i>Solidago spp.</i> )         | 1          |            |



9  
11

|                         |                                      |   |   |
|-------------------------|--------------------------------------|---|---|
| Goosegrass              | ( <i>Eleusine indica</i> )           | 2 |   |
| Ground ivy              | ( <i>Glechoma hederacea</i> )        | 1 |   |
| Henbit                  | ( <i>Lamium amplexicaule</i> )       | 1 |   |
| Knotweed, prostrate     | ( <i>Polygonum aviculare</i> )       |   | X |
| Kochia                  | ( <i>Kochia scoparia</i> )           | 1 |   |
| Lambsquarters, common   | ( <i>Chenopodium album</i> )         | 1 |   |
| 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> )            | 2 |   |
| Morningglory            | ( <i>Ipomea spp.</i> )               | 1 |   |
| Nutsedge, Yellow        | ( <i>Cyperus esculentus</i> )        | 1 |   |
| Parsley pierf           | ( <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> )            |   | X |
| Plantain, buckhorn      | ( <i>Plantago lanceolata</i> )       |   | X |
| 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>Brachiaria platyphylla</i> )    |   | X |
| Smartweed, Pennsylvania | ( <i>Polygonum pennsylvanicum</i> )  | 1 |   |
| Sorrel, Red             | ( <i>Rumex acetosella</i> )          |   | X |
| Speedwell               | ( <i>Veronica spp.</i> )             | 1 |   |
| Spurge, (annuals)       | ( <i>Euphorbia spp.</i> )            | 1 |   |
| Spurge, prostrate       | ( <i>Euphorbia humistrata</i> )      | 1 |   |
| Spurge, spotted         | ( <i>Euphorbia maculata</i> )        | 1 |   |
| Star of Bethlehem       | ( <i>Ornithogalum umbellatum</i> )   | 1 |   |
| Torpedograss            | ( <i>Panicum repens L.</i> )         |   | X |
| Velvetleaf              | ( <i>Abutilon theophrasti</i> )      |   | X |
| Violet, wild            | ( <i>Viola prafincola</i> )          | 1 |   |
| Wild garlic             | ( <i>Allium vineale</i> )            |   | X |
| Wild mustard            | ( <i>Brassica kaber</i> )            | 1 |   |
| 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 (<8.5 fl.oz/acre). For optimum control apply rates of at least 10.2 fl oz./A in a single application. Do not exceed the application rate specified for the turf species in Table 1.
- F7127 controls this weed when applied postemergent to newly emerged weeds in the 1-4 leaf stage of development. F7127 herbicide provides best control when applied to small actively growing weeds.

**POSTEMERGENCE CONTROL OF ANNUAL AND PERENNIAL SEDGES**

F7127 HERBICIDE will control or suppress sedges (Table 3) when applied at a rate of 5.1 to 15.25 fl oz/acre (0.117 to 0.350 fl oz./1,000 sq. ft.). Apply the highest rate consistent with the rate needed for turfgrass safety in Table 1. Rates lower than 10.2 fl oz/acre (0.234 fl oz/ 1,000 sq. ft.) will generally control sedges 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.

**Table 3. Sedge species controlled or suppressed by F7127 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> ) |

**APPLICATION INSTRUCTIONS**

**Railroad Rights-of-Way**  
F7127 Turf and IVM Herbicide can be used to control many weeds and maintain bare ground on railroad rights-of-way, including railroad yards, railroad crossings and railroad bridge abutments.

**Highway, Roadside, Pipeline and Utility Rights-of-Way.**  
F7127 Turf and IVM Herbicide can be used to control many weeds and maintain bare ground in highway, roadside, pipeline and utility rights-of-way. Such areas would include, but are not limited to, guard rails, road shoulders, electric utility substations, pipeline pumping stations, around electric transmission towers, around distribution line poles and in other areas where complete vegetation control is desired.

12  
11

**Industrial Areas, Fence Rows and Other specified Non-crop Sites**

F7127 Turf and IVM Herbicide is 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, including non-crop sites where complete vegetation control is needed.

**Method and Rate of Application**

For residual control of germinating weeds in non-crop land, apply this product as a broadcast treatment at 10.25 to 15.25 fluid ounces (0.280 to 0.410 pounds active ingredient) per acre by ground in a minimum of 10 gallons of spray solution per acre. Applications may be made by helicopter on railroad rights-of-way only.

Use labeled rates of burndown herbicides such as glyphosate, glyphosate - trimesium, diquat, 2,4-D, dicamba, etc. as tank mixtures with F7127 Turf and IVM Herbicide. Use recommended adjuvants for the herbicide tank mix partner. For all products used in tank mixes, refer to the specific product labels for all restrictions on tank mixing and observe all label precautions, instructions and rotational cropping restrictions.

**Timing**

For best results, apply F7127 Turf and IVM Herbicide alone or in combination with other herbicides for residual control of weeds in late summer, fall, or early spring to insure adequate moisture for soil activation.

**Weeds Controlled**

This product, when applied at 10.20 to 15.25 ounces per acre, will control the following weeds in non-cropland areas. Use the higher labeled rates to extend length of control. Use the higher rates on sites with fine soil textures and on sites with more than 2% organic matter.

**Table 2. Weeds Controlled or Suppressed by F7127 HERBICIDE**

| Common Name                  | Scientific Name                      | Controlled | Suppressed |
|------------------------------|--------------------------------------|------------|------------|
| Bittercress                  | ( <i>Cardamine spp.</i> )            |            | X          |
| Barnyardgrass                | ( <i>Echinochloa crusgalli</i> )     | 1          |            |
| Bedstraw                     | ( <i>Galium aparine L.</i> )         |            | X          |
| Black medic                  | ( <i>Medicago lupulina</i> )         | 1          |            |
| Buttercups                   | ( <i>Ranunculus spp.</i> )           |            | X          |
| Buttonweed                   | ( <i>Malva neglecta Walfr</i> )      |            | X          |
| Carolina geranium            | ( <i>Geranium carolinianum</i> )     | 1          |            |
| Carpetweed                   | ( <i>Mollugo verticillata</i> )      | 1          |            |
| 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> )            | 1          |            |
| Cudweed                      | ( <i>Gnaphalium spp.</i> )           |            | X          |
| Deergrass                    | ( <i>Panicum clandestinum</i> )      | 1          |            |
| Dallisgrass                  | ( <i>Paspalum dilatatum</i> )        |            | X          |
| Dandelion                    | ( <i>Taraxacum officinale</i> )      |            | X          |
| Dock, Curly                  | ( <i>Rumex crispus</i> )             |            | X          |
| Dollar Weed                  | ( <i>Hydrocotyle spp.</i> )          | 1          |            |
| Eclipta                      | ( <i>Eclipta spp.</i> )              | 1          |            |
| Evening primrose             | ( <i>Oenothera biennis</i> )         |            | X          |
| Fiddleneck                   | ( <i>Amsinckia spp.</i> )            | 1          |            |
| Filaree                      | ( <i>Erodium spp.</i> )              | 1          |            |
| Florida Pusley               | ( <i>Richardia Scabra</i> )          |            |            |
| Foxtail Spp.                 | ( <i>Setaria spp.</i> )              | 1          |            |
| Goldenrod                    | ( <i>Solidago spp.</i> )             | 1          |            |
| Goosegrass                   | ( <i>Eleusine indica</i> )           | 2          |            |
| Ground ivy                   | ( <i>Glechema hederacea</i> )        | 1          |            |
| Henbit                       | ( <i>Lamium amplexicaule</i> )       | 1          |            |
| Knotweed, prostrate          | ( <i>Polygonum aviculare</i> )       |            | X          |
| Kochia                       | ( <i>Kochia scoparia</i> )           | 1          |            |
| Lambsquarters, common        | ( <i>Chenopodium album</i> )         | 1          |            |
| 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> )            | 2          |            |
| 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> )            |            | X          |
| Plantain, buckhorn           | ( <i>Plantago lanceolata</i> )       |            | X          |
| 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>Brachiaria platyphylla</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 |   |
| 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 mustard         | ( <i>Brassica kaber</i> )          | 1 |   |
| Wild onion           | ( <i>Allium canadense</i> )        |   | X |
| Woodsorrel, creeping | ( <i>Oxalis corniculata</i> )      |   | X |
| Woodsorrel, yellow   | ( <i>Oxalis stricta</i> )          | 1 |   |

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2. F7127 controls this weed when applied postemergent to newly emerged weeds in the 1-4 leaf stage of development.

F7127 herbicide provides best control when applied to small actively growing weeds.

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