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

EPA Reg. No. 279-3355  EPA Est. 279-IL-1

Active Ingredient:  By Wt.
Sulfentrazone* ................................................ 18.75%
Quinclorac* ...................................................... 56.25%
Other Ingredients: ................................................. 25.00%
Total: 100.00%

*Solitare 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)

KEEP OUT OF REACH OF CHILDREN

CAUTION

See other panels for additional precautionary information.

FMC Corporation
Agricultural Products Group
1735 Market Street
Philadelphia PA 19103

Net Contents: 1 Pound

FIRST AID

IF SWALLOWED
• Call a poison control center or doctor immediately for treatment advice.
• Have person sip a glass of water if able to swallow.
• Do not induce vomiting unless told to do so by the poison control center or doctor.
• Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING
• Take off contaminated clothing.
• Rinse skin immediately with plenty of water for 15-20 minutes.
• Call a poison control center or doctor for treatment advice.

IF IN EYES
• Hold eye open and rinse slowly and gently with water for 15-20 minutes.
• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
• Call a poison control center or doctor for treatment advice.

IF INHALED
• Move person to fresh air.
• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
• Call a poison control center or doctor for further treatment advice.

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 1-800-321-1FM (1362).

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 HERBICIDE can contaminate surface water through spray drift. Under some conditions, SOLITARE 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 overlying 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.

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**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.

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**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.

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**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. Conform spills. Call FMC: (800) 331-3148.

To confine spill: If liquid, dike surrounding area and 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. Treat this container (for equivalent weight spilled) 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 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 HERBICIDE is formulated as a 75 WG (Water Dispersible Granule) containing 0.75 lbs of active ingredient per pound of product. SOLITARE HERBICIDE is absorbed by shoots, foliage and roots.

A post-emergent application of SOLITARE 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 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 contain- ers 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 rainfall 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 contain-
ment capacity of 100% of the capacity of the largest pesticide contain-
er 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 deliver-
ning pesticide shipments to the mixing/loading site. States may have in
effect additional requirements regarding wellhead setbacks and opera-
tional containment.

Product must be used in a manner which will prevent back siphonning in
dwells, spills or improper disposal of excess pesticide, spray mixtures or
rinseates.

**SPRAY TANK PREPARATION**

It is important that spray equipment is clean and free of existing pesti-
cide deposits before using this product. Follow the spray tank clean out
procedures specified on the label of product previously applied before
adding SOLITARE HERBICIDE to the tank.

SOLITARE HERBICIDE is a water dispersible granule intended for dilu-
tion with water. Mix SOLITARE HERBICIDE thoroughly and continue agita-
tion during application. If SOLITARE HERBICIDE is left standing for
extended period of time in spray tank, re-agitate to assure uniform sus-
ension 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 HERBICIDE to the tank. Make sure SOLITARE HERBI-
CIDE 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 HERBICIDE. High tempera-
tures and high relative humidity may increase the risk of tempo-
rary discoloration.

**TANK MIXTURES COMPATIBLITY**

SOLITARE 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 prepar-
ing 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 fol-
lows: 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 pro-
ducts and application methods are registered for addition. 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 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 spray
nozzles, tips, screens and pumps are ideal for broadcast applications.
Power sprayers fitted with spray wand/gun may also be used for broadcast application after careful cali-
bration 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 ft2) with spray pressures adjusted to 20 – 40 psi are
appropriate. Apply the higher spray volumes for dense weed popula-
tions.

Sprayer Equipment Clean-Out

After spraying SOLITARE HERBICIDE and before using sprayer equipment for any other applications, the sprayer must be thor-
oughly cleaned using the following procedure:

1. Drain the spray tank and, with 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 noz-
 zles 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 turgrasses
that are well established. First application of this product can be made
following the second mowing providing the turfgrass has developed into
an 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 condi-
tions, disease, chemical or mechanical influences.

When applied as directed under the conditions described, the fol-
lowing established turfgrasses are tolerant to SOLITARE HERBI-
CIDE at the recommended use rates in a range from 0.750 to 1.50
lb/a/acre with mixing (16.0 to 32.0 ozs/acre or 0.367 to 0.735 oz/1,000 sq. ft).

**Grass Type**

**Recommended Use Rate**

<table>
<thead>
<tr>
<th>Cool Season Grasses</th>
<th>Lbs. ai/A</th>
<th>Ounces per 1000 ft²</th>
<th>Ounces per acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bluegrass, Kentucky (Poa pratensis)</td>
<td>0.750 - 1.0</td>
<td>0.367 - 0.478</td>
<td>16.0 - 20.8</td>
</tr>
<tr>
<td>Bluegrass, Rough (Poa trivialis)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fescue, tall (Festuca arundinacea)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ryegrass, perennial (Lolium perenne)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Warm Season Grasses</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bermudagrass (Cydonia dichotoma) &amp; hybrids</td>
<td>0.750 - 1.50</td>
<td>0.367 - 0.735</td>
<td>16.0 - 32.0</td>
</tr>
<tr>
<td>Buffalo Grass (Buchloa dichotomies)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Centipede Grass (Eremochloa ovata)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seashore Paspalum (Paspalum vaginatum)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zoysiagrass (Zoysia japonica)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*SOLITARE HERBICIDE has demonstrated tolerance on both cool and warm sea-
son turfgrasses. However, not all varieties have been evaluated. Turfgrass man-
agers desiring to treat newly released varieties should first apply SOLITARE HER-
BICIDE to a small area prior to treatment of larger areas. Treated turfgrass
will recover with new growth. Discolored leaf tissue will be remov-
ed following mowing. To reduce potential for discoloration, do not apply
SOLITARE HERBICIDE on turfgrass that is weakened by weather, mechanical,
chemical, disease or other related stress. Maintain proper cultural prac-
tices such as adequate moisture and fertility levels to promote healthy turf growth.

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

Re-seeding, 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 rye-
grass 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 mechani-
cal 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 HERBICIDE. Do not apply this pro-
duct 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 demon-
strated 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
weeds in a 200-foot radius.
Temporary turfgrass discoloration has been observed when trinexpac-
ethyl products have been either tank-mixed or applied within 7 days of
a SOLITARE HERBICIDE application. It is recommended that trinexpac-
ethyl applications be made 7 days prior to, or after SOLITARE
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 HERBICIDE will control or suppress the weeds listed in Table 2 when applied alone shortly after weeds have emerged. Apply SOLITARE HERBICIDE at rates from 0.750 to 1.50 lb a.i./acre (16.0 to 32.0 ozs/acre or 0.367 to 0.735 ozs/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 2. Weeds Controlled or Suppressed by SOLITARE HERBICIDE

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Scientific Name</th>
<th>Controlled</th>
<th>Suppressed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bittersroot</td>
<td>(Cardamine spp.)</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Barnyardgrass</td>
<td>(Echinochloa crus-galli)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Black medic</td>
<td>(Medicago lupulina)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Buttercups</td>
<td>(Ranunculus spp.)</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Carolina geranium</td>
<td>(Geranium carolinianum)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Carpetweed</td>
<td>(Mollugo verticillata)</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Chickweed, common</td>
<td>(Stellaria media)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Chickweed, mouse</td>
<td>(Cerastium vulgatum)</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Cinquefoil</td>
<td>(Potentilla spp.)</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Clover</td>
<td>(Trifolium spp.)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Crabgrass (Large and Smooth)</td>
<td>(Digitaria spp.)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Cudweed</td>
<td>(Arabidopsis spp.)</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Deergrass</td>
<td>(Panicum cladeastrium)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Dandelion</td>
<td>(Taraxacum officinale)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Dock, Curly</td>
<td>(Rumex crispus)</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Dollar Weed</td>
<td>(Hydrocotyle spp.)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Evening primrose</td>
<td>(Oenothera biennis)</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Fiddleneck</td>
<td>(Euphorbia spp.)</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Filaree</td>
<td>(Amsinckia spp.)</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Foxtail Spp.</td>
<td>(Setaria spp.)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Goldenrod</td>
<td>(Solidago spp.)</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Goosegrass</td>
<td>(Eleusine indica)</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Ground ivy</td>
<td>(Glechoma hederacea)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Herb</td>
<td>(Lasium amplexicaule)</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Knottweed, prostrate</td>
<td>(Polygonum aviculare)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Kochia</td>
<td>(Kochia scoparia)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Lambquarters, common</td>
<td>(Chenopodium album)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Lawn burweed</td>
<td>(Soliva pterosperma)</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Lespedeza, common</td>
<td>(Lespedeza striata)</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>London Rocket</td>
<td>(Silbrum ino)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Mallow, common</td>
<td>(Malva neglecta)</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Morning glory</td>
<td>(Ipomoea spp.)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Nutsedge, Yellow</td>
<td>(Cyperus esculentus)</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Parsley pier</td>
<td>(Aethemilla arvensis)</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Pigweed, Redroot</td>
<td>(Amaranthus retroflexus)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Pigweed, Tumble</td>
<td>(Amaranthus albus)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Pineapple weed</td>
<td>(Masticharia masticariodes)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Plantain, broadleaf</td>
<td>(Plantago major)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Plantain, buckhorn</td>
<td>(Plantago lanceolata)</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Puncture weed</td>
<td>(Trilobus terestris)</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Purslane, common</td>
<td>(Portulaca oleracea)</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Pursley, Florida</td>
<td>(Richardia scabra)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Redweed</td>
<td>(Melochia conchonios)</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Signalgrass, broadleaf</td>
<td>(Brachiaria platyphylla)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Smartweed, Pennsylvania</td>
<td>(Polygonum penstemon)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Sorrel, Red</td>
<td>(Rhumex acetosella)</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Speedwell</td>
<td>(Veronica spp.)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Spurge, annuals</td>
<td>(Euphorbia spp.)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Spurge, prostrate</td>
<td>(Euphorbia humistrata)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Spurge, spotted</td>
<td>(Euphorbia maculata)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Star of Bethlehem</td>
<td>(Osmotherum umbellatum)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Stiltgrass, Japanese</td>
<td>(Microstegium vimineum)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Torpedograss</td>
<td>(Panicum repens L.)</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Velvetleaf</td>
<td>(Abutilon theophrasti)</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Violet, wild</td>
<td>(Viola pratincola)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Wild garlic</td>
<td>(Allium ursinale)</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Wild onion</td>
<td>(Allium canadensis)</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Woodsorrel, creeping</td>
<td>(Oxalis cominullata)</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Woodsorrel, yellow</td>
<td>(Oxalis stricta)</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

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.
2. Solitaire 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 HERBICIDE will control or suppress sedges (Table 3) when applied at a rate of 0.750 to 1.50 lb a.i./acre (16.0 to 32.0 ozs/acre or 0.367 to 0.735 ozs/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.

### Table 3. Sedge species controlled or suppressed by SOLITARE HERBICIDE

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Scientific Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kyllinga, green</td>
<td>(Kyllinga brevifolia)</td>
</tr>
<tr>
<td>Kyllinga, false green</td>
<td>(Kyllinga gracilima)</td>
</tr>
<tr>
<td>Nutsedge, purple</td>
<td>(Cyperus rotundus)</td>
</tr>
<tr>
<td>Nutsedge, yellow</td>
<td>(Cyperus esculentus)</td>
</tr>
<tr>
<td>Sedge, globe</td>
<td>(Cyperus globulosus)</td>
</tr>
<tr>
<td>Sedge, cylindrical</td>
<td>(Cyperus retrorsus)</td>
</tr>
<tr>
<td>Sedge, Surinam</td>
<td>(Cyperus surinamensis)</td>
</tr>
<tr>
<td>Sedge, Texas</td>
<td>(Cyperus ptyrostachyos)</td>
</tr>
</tbody>
</table>

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