Surflan® 75W
Water Soluble Package

A selective preemergence surface-applied herbicide for control of annual grasses and many broadleaf weeds in:

- Landscape ornamentals
- Container grown ornamentals
- Field grown ornamentals
- Drainage areas under greenhouse benches
- Ornamental bulbs
- Ground covers
- Christmas tree plantations
- Noncropland
- Non-bearing trees and vines
- Industrial sites
- Established warm season turf (including Bahiagrass, Bermudagrass, Buffalo grass, Centipedegrass, St. Augustinegrass, Tall Fescue and Zoysiagrass)

Active Ingredient:
oryzalin: 3,5-dinitro-N4N4-
        dipropylsulfanilamide ........................................... 75%
Inert Ingredients ......................................................... 25%
Total ........................................................................ 100%
Contains 0.75 pounds of active ingredient per pound of product.

Keep Out of Reach of Children

CAUTION
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

Precautionary Statements
Hazards to Humans and Domestic Animals

Causes Moderate Eye irritation • Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Avoid contact with eyes, skin or clothing.

   Personal Protective Equipment (PPE)
Applicators and other handlers must wear:
- Long-sleeved shirt and long pants
- Chemical-resistant gloves
- Shoes plus socks

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. 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.

Engineering Controls Statements
When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.
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.
• Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

First Aid
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. Call a poison control center or doctor for treatment advice.
If on skin: 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.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.
For emergency medical assistance, call the National Pesticide Information Center at 1-800-858-7378.
For chemical emergency: spill, leak, fire, exposure, or accident, call CHEMTREC 1-800-424-9300.

Environmental Hazards
This pesticide is toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

Agricultural Use Requirements
Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to the label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Refer to label booklet for Directions for Use, including Storage and Disposal.

Notice: Read the entire label. Use only according to label directions. Before buying or using this product, read Conditions of Sale and Limitation of Warranty and Liability inside label booklet.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 70506-42
EPA Est. No.

Specialty Herbicide 6 x 4 x 1.3 lb Water Soluble Packets
Surflan® 75W
Water Soluble Package

A selective preemergence surface-applied herbicide for control of annual grasses and many broadleaf weeds in:
• Landscape ornamentals
• Container grown ornamentals
• Field grown ornamentals
• Drainage areas under greenhouse benches
• Ornamental bulbs
• Ground covers
• Christmas tree plantations
• Noncropland
• Non-bearing trees and vines
• Industrial sites
• Established warm season turf (including Bahiagrass, Bermudagrass, Buffalograss, Centipedegrass, St. Augustinegrass, Tall Fescue and Zoysiagrass)

Active Ingredient:
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Inert ingredients ......................................................... 25%
Total ......................................................................... 100%
Contains 0.75 pounds of active ingredient per pound of product.

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CAUTION
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

Agricultural Use Requirements
Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to the label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Refer to inside of label booklet for additional precautionary information including Personal Protective Equipment (PPE) and User Safety Recommendations, and Directions for Use including Storage and Disposal.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 70506-42
EPA Est. No.

United Phosphorus, Inc.
423 Riverview Plaza,
Trenton, NJ 08611
1-800-247-1557 • www.upi-usa.com

Specialty Herbicide
Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION

Causes Moderate Eye Irritation • Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Avoid contact with eyes, skin or clothing.

Personal Protective Equipment (PPE)
Applicators and other handlers must wear:
• Long-sleeved shirt and long pants
• Chemical-resistant gloves
• Shoes plus socks

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. 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.

Engineering Controls Statements
When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations
Users should:
• Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
• Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
• Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

First Aid
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. Call a poison control center or doctor for treatment advice.
If on skin: 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.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency medical assistance, call the National Pesticide Information Center at 1-800-858-7378.

Environmental Hazards
This pesticide is toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.
Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

Handling Precautions for Water Soluble Packets

Do not remove water soluble packet from foil overpack except for immediate use. Do not allow water soluble packet to come in contact with water prior to use. Do not handle water soluble packet with wet hands. Carefully reseal package containing unopened foil pouches after use and protect package from moisture.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. 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 24 hours. Exception: If the product is soil-injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

Workers may enter treated areas without required PPE during the reentry interval following 1/2 to 1 inch of rainfall or irrigation, otherwise, 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
- 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.

Entry Restrictions for Non-WPS Uses: Keep all persons, children and pets out of treated area until sprays have dried.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Pesticide Storage: Store in original container only. In case of leak or spill, use absorbent materials to contain liquids and dispose as waste. Pesticide Disposal: Wastes resulting from the use of this product may be used according to label directions or disposed of at an approved waste disposal facility. Container Disposal: Dispose of overpack in a sanitary landfill or by incineration, or, if allowed by state or local authorities, by burning. If burned, stay out of smoke.
**General Information**

Surflan 75W herbicide is a preemergence surface-applied herbicide for the control of annual grasses and many broadleaf weeds in ornamental plantings, bulbs, ground covers, established warm-season turfgrass, Christmas tree plantations, non-bearing trees and vines, non-cropland and industrial sites.

**General Use Precautions and Restrictions**

Surflan 75W will not control emerged weeds. Poor weed control may result if directions are not followed. Over-application may result in crop injury or excessive soil residue.

Surflan 75W is orange in color and may cause temporary discoloration of sprayed surfaces. If this discoloration is undesirable, it may be altered by using a commercially available colorant such as Blazon or removed by spraying surface with water or washing with an industrial cleaner immediately after application. Surflan 75W may also be applied with mulch colorants, such as Mulch Magic or Nu-Mulch.

Users who wish to use Surflan 75W on plant species not recommended on this label may determine the suitability for such uses by treating a small number of such plants at a recommended rate. Prior to treatment of larger areas, the treated plants should be observed for any sign of herbicidal injury for 30 to 60 days to determine if the treatment is selective to the target plant species. The user assumes responsibility for any crop damage or other liability resulting from use of Surflan 75W on plant species not recommended on this label.

**Chemigation:** Do not apply this product through any type of irrigation system.

Do not aerially apply this product.

**Soil Preparation**

Surflan 75W will not control emerged weeds. Therefore, areas to be treated should be free of emerged weeds. Weed residues, prunings and trash should be thoroughly mixed into the soil or removed prior to treatment. In field applications, the soil should be in good tilth and free of clods at the time of application.

**Mixing Directions**

**Surflan 75W - Alone**

Make sure spray tank is clean and use only clean water. Fill spray tank 1/2 to 3/4 full. Start agitation. Add the required number of water soluble packets to the spray tank. Allow time for complete mixing of Surflan 75W after packets have disintegrated. Continue agitation and fill spray tank to required spray volume. Maintain continuous agitation from mixing through application.

**Surflan 75W Tank Mix Combinations**

Prior to mixing, read and carefully follow all label instructions and precautions for each product added to the tank mixture. Vigorous, continuous agitation is required for all Surflan 75W tank mixes. Sparger pipe agitators generally provide the best agitation in spray tanks.

**Precaution:** Do not allow the spray mixture to siphon back into the water source.

**Mixing Order:** Fill the tank 3/4 full with clean water. Start agitation and add different formulation types in the order indicated below, allowing time for complete mixing and dispersion after addition of each product. Allow extra mixing and dispersion time for dry flowable products.

Add different formulation types in the following order: dry flowables (DF); Surflan 75W and other wettable powders (WP); aqueous suspensions (AS), flowables (F) and liquids (L); solutions (S); and emulsifiable concentrates (EC).
Continue agitation and finish filling the spray tank with clean water. Maintain agitation until application is completed. If spraying and agitation must be stopped before the spray tank is empty, the materials may settle to the bottom. Settled materials must be completely resuspended before spraying is continued. A sparger agitator is particularly useful for this purpose.

Premixing: When tank mixing, initial mixing and dispersion of certain dry flowable or wettable powder products may be improved by premixing with water (slurrying). Adding the slurried material to the spray tank through a 20 or 35 mesh wetting screen will help assure good initial dispersion. Line screens in the tank should be no finer than 50 mesh (100 mesh is finer than 50 mesh).

**Application Methods**

**Ground Application**

Apply Surflan 75W as a directed spray to the soil surface or overtop of plants using a vehicle-mounted or pull-type sprayer. Apply the appropriate rate of Surflan 75W as outlined in "Approved Uses" section of this label. In all cases, use sufficient water volume to obtain uniform coverage and deliver the desired rate of Surflan 75W to the treated area. The volume of water used is not critical, as long as the desired rate of Surflan 75W is delivered uniformly across the area treated. When calibrating, determine the volume of water delivered by the sprayer to a given area (1,000 sq ft, acre, etc.). Then mix the desired rate of Surflan 75W in the amount of water required to cover the entire area to be treated. Use only a properly calibrated, low-pressure herbicide sprayer that will apply the spray uniformly. Use herbicide tips with screens no finer than 50 mesh in nozzles and in-line strainers. As the amount of water used (spray volume) decreases, the importance of accurate calibration and uniform application increases. Check the sprayer daily to ensure proper calibration and uniform application. Maintain continuous agitation from mixing through application. Avoid spray pattern skips and overlaps that may result in incomplete coverage or over-application.

**Activation and Cultivation**

Surflan 75W will remain stable on the soil surface up to 21 days following application. In the absence of timely rainfall, irrigation can be used to activate Surflan 75W. A minimum of one-half (1/2) inch of rain or its equivalent in sprinkler irrigation is necessary to activate Surflan 75W. If weeds begin to emerge due to lack of rainfall or irrigation, shallow cultivate 1 to 2 inches deep to destroy existing weeds or remove them by hand. Shallow cultivation to a depth of 1 to 2 inches will enhance herbicidal effectiveness. If Surflan 75W is not activated by rainfall, irrigation or cultivation within 21 days of application or existing weeds have not been removed, erratic weed control may result.

**Weeds Controlled by Surflan 75W**

### Annual Grasses:

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Scientific Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>barley, little</td>
<td><em>Hordeum pusillum</em></td>
</tr>
<tr>
<td>barnyardgrass</td>
<td><em>Echinochloa crus-galli</em></td>
</tr>
<tr>
<td>bluegrass, annual</td>
<td><em>Poa annua</em></td>
</tr>
<tr>
<td>crabgrass, large</td>
<td><em>Digitaria sanguinalis</em></td>
</tr>
<tr>
<td>crabgrass, smooth</td>
<td><em>Digitaria ischaemum</em></td>
</tr>
<tr>
<td>crowfootgrass</td>
<td><em>Dactyloctenium aegyptium</em></td>
</tr>
<tr>
<td>cupgrass, southwestern</td>
<td><em>Erionochloa gracilis</em></td>
</tr>
<tr>
<td>foxtail, bristlegrass</td>
<td><em>Setaria magna</em></td>
</tr>
<tr>
<td>foxtail, giant</td>
<td><em>Setaria faberi</em></td>
</tr>
<tr>
<td>foxtail, green</td>
<td><em>Setaria viridis</em></td>
</tr>
<tr>
<td>(pigeongrass)</td>
<td></td>
</tr>
<tr>
<td>foxtail, robust</td>
<td><em>Setaria robusta</em></td>
</tr>
<tr>
<td>foxtail, yellow</td>
<td><em>Setaria glauca</em></td>
</tr>
<tr>
<td>goosegrass</td>
<td><em>Eleusine indica</em></td>
</tr>
<tr>
<td>Common Name</td>
<td>Scientific Name</td>
</tr>
<tr>
<td>--------------------------</td>
<td>------------------------------</td>
</tr>
<tr>
<td>johnsongrass</td>
<td>Sorghum halepense</td>
</tr>
<tr>
<td>junglerice</td>
<td>Echinochloa colonum</td>
</tr>
<tr>
<td>lovegrass, Mexican</td>
<td>Eragrostis mexicana</td>
</tr>
<tr>
<td>lovegrass, orcutt</td>
<td>Eragrostis orcuttiana</td>
</tr>
<tr>
<td>oat, wild</td>
<td>Avena fatua</td>
</tr>
<tr>
<td>panicum, browntop</td>
<td>Panicum fasciculatum</td>
</tr>
<tr>
<td>panicum, fall (spreading panickgrass)</td>
<td>Panicum dichotomiflorum</td>
</tr>
<tr>
<td>panicum, texas (buffalograss)</td>
<td>Panicum texanum</td>
</tr>
<tr>
<td>ryegrass, italian</td>
<td>Lolium multiflorum</td>
</tr>
<tr>
<td>sandbur, field</td>
<td>Cenchrus incertus</td>
</tr>
<tr>
<td>signalgrass (brachiana)</td>
<td>Brachiaia spp.</td>
</tr>
<tr>
<td>sprangletop, red</td>
<td>Leptochloa filiformis</td>
</tr>
<tr>
<td>witchgrass</td>
<td>Panicum capillare</td>
</tr>
</tbody>
</table>

**Broadleaf Weeds:**

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Scientific Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>bittercress</td>
<td>Cardamine oligosperma</td>
</tr>
<tr>
<td>carpetweed</td>
<td>Mollugo verticillata</td>
</tr>
<tr>
<td>chickweed, common</td>
<td>Stellaria media</td>
</tr>
<tr>
<td>fiddleneck, ccast</td>
<td>Amsinckia intermedia</td>
</tr>
<tr>
<td>filaree, redstem</td>
<td>Erodium cicutanum</td>
</tr>
<tr>
<td>filaree, whitestem</td>
<td>Erodium moschatum</td>
</tr>
<tr>
<td>groundsel, common</td>
<td>Senecio vulgaris</td>
</tr>
<tr>
<td>henbit</td>
<td>Lamium amplexicaule</td>
</tr>
<tr>
<td>knotweed, prostrate</td>
<td>Polygonum aviculare</td>
</tr>
<tr>
<td>lambsquarters</td>
<td>Chenopodium album</td>
</tr>
<tr>
<td>pigweed, prostrate</td>
<td>Amaranthus blitoides</td>
</tr>
<tr>
<td>pigweed, redroot</td>
<td>Amaranthus retroflexus</td>
</tr>
<tr>
<td>pigweed, spring</td>
<td>Amaranthus hybridus</td>
</tr>
<tr>
<td>pigweed, tumble</td>
<td>Amaranthus albus</td>
</tr>
<tr>
<td>puncturevine</td>
<td>Tribulus terrestris</td>
</tr>
<tr>
<td>purslane, common</td>
<td>Portulaca oleracea</td>
</tr>
<tr>
<td>pusley, Florida (Florida purslane)</td>
<td>Richardia scabra</td>
</tr>
<tr>
<td></td>
<td>(Mexican clover)</td>
</tr>
<tr>
<td></td>
<td>(puseley)</td>
</tr>
<tr>
<td>rocket, London</td>
<td>Sisymbrium irio</td>
</tr>
<tr>
<td>rockpurslane, desert</td>
<td>Calandrinia ciliata</td>
</tr>
<tr>
<td>shepherdsparse</td>
<td>Capsella bursa-pastoris</td>
</tr>
<tr>
<td>spurge, prostrate</td>
<td>Euphorbia humistrata</td>
</tr>
<tr>
<td>woodsorrel, yellow</td>
<td>Oxalis stricta</td>
</tr>
</tbody>
</table>

**Weeds Suppressed by Surflan 75W**

Control of the following weeds may be erratic, ranging from poor to excellent, depending upon soil temperature, time of germination, depth of seed in the soil, and amount and timing of soil moisture:

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Scientific Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>horseweed</td>
<td>Cynara canadensis</td>
</tr>
<tr>
<td>ladysthumb</td>
<td>Polygonum persicaria</td>
</tr>
<tr>
<td>lettuce, prickly</td>
<td>Lactuca serriola</td>
</tr>
</tbody>
</table>
mallow, common
mallow, climbing
morning glory
mustard, black
mustard, wild
nightshade, black
ragweed, common
smartweed
sowthistle, annual
spurge, spotted
tepweed (prickly sida)
velvetleaf
wheat, volunteer

Malva neglecta
Sarcostemma cynanchoides
Ipomoea spp.
Brassica nigra
Brassica kaber
Solanum nigrum
Ambrosia artemisiaefolia
Polygonum pensylvanicum
Sonchus oleraceus
Euphorbia maculata
Sida spinosa
Abutilon theophrasti
Triticum spp.

Approved Uses

Ornamental Plantings

Special Use Precautions:
Apply only to established plantings. Established plants are defined as those that have been transplanted into their growing location for a sufficient period of time to allow the soil to be firmly settled around the roots from packing and rainfall or irrigation.

To avoid possible injury, do not apply Surflan 75W to:
- Either nursery seedbeds or forest or Christmas tree seedling transplant beds.
- Unrooted liners or cuttings that have been planted in pots for the first time.
- Pots less than four inches wide.
- Ground covers until they are established and well rooted.
- Ornamental plantings where there is likelihood of runoff onto lawn areas.
- Areas containing dichondra or cool season turfgrass species.

Rooted liners should be removed from their original growing containers and placed in new containers at least two weeks prior to treatment or injury may occur.

For soils treated with Surflan 75W during the previous season, plant only the ornamental species listed on this label or injury may occur.

Ice Plant: When establishing unrooted ice plant (*Mesembryanthemum crystallinum* and *Carpobrotus edulis*) on coarse soils in landscape plantings, use only the 2 packet per acre rate of Surflan 75W or crop injury may occur. After the ice plant is well established, a second application may be made.

<table>
<thead>
<tr>
<th>Broadcast Application Rates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labeled Use Site</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Landscape Oralnamentals</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
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<tr>
<td>Field-grown and container-grown ornamentals</td>
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<tr>
<td></td>
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<tr>
<td></td>
</tr>
</tbody>
</table>
Recommended Species Including Fruit Plant Nursery Liners
Surflan 75W is recommended for use on certain container- and field-grown established ornamental plants, trees and shrubs, established ground covers; field grown fruit tree and shrub nursery liners; and in the production of ornamental bulbs (See "Ornamental Bulbs" for special use directions).

Do not apply Surflan 75W to the following plant species when container grown or field grown or injury may occur:
- *Deutzia gracilis* (slender deutzia)
- *Pseudotsuga menziesii* (Douglas-fir)
- *Thuja occidentalis* 'Techny' (Techny arborvitae)
- *Tsuga canadensis* (eastern hemlock)

Surflan 75W May be Used on the Following Field- and Liner†- Grown Plants and Plants in Landscape Plantings:

†Plants transplanted for additional growth before transplanting to final growing location.

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Scientific Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>abelia, glossy</td>
<td><em>Abelia grandiflora</em></td>
</tr>
<tr>
<td>acacia, prostrate</td>
<td><em>Acacia redolens</em></td>
</tr>
<tr>
<td>agave</td>
<td><em>Agave macroculmis</em></td>
</tr>
<tr>
<td>andromeda</td>
<td><em>Pieris japonica</em></td>
</tr>
<tr>
<td>apple</td>
<td><em>Malus spp.</em></td>
</tr>
<tr>
<td>arbor vitae, American</td>
<td><em>Thuja occidentalis</em></td>
</tr>
<tr>
<td>arbor vitae, Oriental</td>
<td><em>Platyctadus orientalis</em></td>
</tr>
<tr>
<td>ash <em>Fraxinus</em> spp.</td>
<td></td>
</tr>
<tr>
<td>aster, stokes</td>
<td><em>Stokesia laevis</em></td>
</tr>
<tr>
<td>astilbe/false spirea</td>
<td><em>Astilbe chinensis</em> and A. chinensis hybrids</td>
</tr>
<tr>
<td>azalea</td>
<td><em>Rhododendron</em> spp.</td>
</tr>
<tr>
<td>baby's breath</td>
<td><em>Gypsophila paniculata</em></td>
</tr>
<tr>
<td>barberry, Japanese</td>
<td><em>Berberis thunbergii</em></td>
</tr>
<tr>
<td>bellflower</td>
<td><em>Campanula elatines</em></td>
</tr>
<tr>
<td>birch, river</td>
<td><em>Betula nigra</em></td>
</tr>
<tr>
<td>birch, white</td>
<td><em>Betula pendula</em></td>
</tr>
<tr>
<td>bird of paradise</td>
<td><em>Strelitzia reginae</em></td>
</tr>
<tr>
<td>blazing star</td>
<td><em>Liatris spicata</em></td>
</tr>
<tr>
<td>bleeding heart</td>
<td><em>Dianthus spectabilis</em></td>
</tr>
<tr>
<td>bottlebrush, lemon</td>
<td><em>Calystegium</em> citrinus</td>
</tr>
<tr>
<td>boxwood, common</td>
<td><em>Buxus sempervirens</em></td>
</tr>
<tr>
<td>boxwood, Japanese</td>
<td><em>Buxus microphylla japonica</em></td>
</tr>
<tr>
<td>brush cherry</td>
<td><em>Syzygium paniculata</em></td>
</tr>
<tr>
<td>caladium, fancy leafed</td>
<td><em>Caladium bicolor</em></td>
</tr>
<tr>
<td>California laurel</td>
<td><em>Umbellularia californica</em></td>
</tr>
<tr>
<td>campanula (bellflower)</td>
<td><em>Campanula</em> spp.</td>
</tr>
<tr>
<td>cape marigold</td>
<td><em>Dimorphotheca</em> spp.</td>
</tr>
<tr>
<td>carpet bugle</td>
<td><em>Ajuga</em> spp.</td>
</tr>
<tr>
<td>cassia, feathery</td>
<td><em>Cassia artemisioides</em></td>
</tr>
<tr>
<td>cherry, Mahaleb</td>
<td><em>Prunus mahaleb</em></td>
</tr>
<tr>
<td>cherry, sweet</td>
<td><em>Prunus avium</em></td>
</tr>
<tr>
<td>chrysanthemum, florists</td>
<td><em>Chrysanthemum morifolium</em></td>
</tr>
<tr>
<td>cleyera, Japanese</td>
<td><em>Cleyera japonica</em></td>
</tr>
<tr>
<td>coneflower, purple</td>
<td><em>Echinacea purpurea</em></td>
</tr>
<tr>
<td>coreopsis</td>
<td><em>Coreopsis lanceolata</em></td>
</tr>
<tr>
<td>cotoneaster, bearberry</td>
<td><em>Cotoneaster dammeri</em></td>
</tr>
<tr>
<td>cotoneaster, brightbead</td>
<td><em>Cotoneaster buxifolius</em></td>
</tr>
</tbody>
</table>
cotoneaster, cranberry  Cotoneaster apiculatus
 cotoneaster, parney  Cotoneaster lacteus
 cotoneaster, Pyrenees  Cotoneaster congestus
 cotoneaster, rock  Cotoneaster horizontalis
 cotoneaster, rockspray  Cotoneaster microphyllus
 cottonwood  Populus deltoides
 (grown for pulp)  Baccharis pilularis
 coyotebush, dwarf  Lagerstroemia indica
 crape myrtle, common  Cryptomeria japonica
 cryptomeria, Japanese  Cupressus arizonica (giabra)
cypress, Arizona  Cupressus sempervirens
 cypress, Italian  Rudbeckia hirta
daisy, gloriosa  Chrysanthemum coccineum
 (black-eyed Susan)  Chrysanthemum maximum
 daisy, painted  Osteospernum fruticosum
 daisy, shasta  Hemarocallis spp.
daisy, trailing African  Comus florida
 daylily  Comus kousa
dogwood, flowering  Ripsalidopsis gaertneri
dogwood, kousa  Escallonia exoniensis
eastercactus  Eucalyptus cinerea
escallonia  Eucalyptus nicholli
eucalyptus, mealy  Eucalyptus sideroxylon
eucalyptus, narrow-leaved  Euonymus japonica
eucalyptus, red  Euonymus fortunei
euonymus, evergreen  Euonymus alata
euonymus, stringybark  Chamaecyparis Lawsoniana
 euonymus, winged  Fatshedera lizei
 falsecypress, Lawson  Abies lasiocarpa
 fir, alpine  Abies balsamea
 fir, balsam  Abies fraseri
 fir, grand  Abies grandis
 fir, Vietch  Abies veitchi
 fir, white  Abies concolor
 firethorn  Pyracantha, fortuneana
 firethorn, formosa  Pyracantha skoidzumi
 firethorn, scarlet  Pyracantha coccinea
 forsythia, border  Forsythia intermedia
gardenia  Gardenia jasminoides
gazania, trailing  Gazania rigens leucoaena
 geranium (Pelargonium)  Pelargonium hortorum
gem  Geum quellyon
 ginkgo  Ginkgo biloba
garden gladiolus  Gladiolus hortulanus
goldenrain tree  Koelreuteria paniculata
 heavenly bamboo (Nandina)  Nandina domestica
 hibiscus, Chinese  Hibiscus rosa-sinesis
 holly, Chinese  Ilex cornuta
 holly, English  Ilex aquifolium
 holly, Japanese  Ilex crenata
 honeysuckle, Japanese  Lonicera japonica
 honeysuckle, Mexican  Justicia spicigera
 hopseedbush, clammy  Dodonea viscosa
 ice plant  Mesembryanthemum crystallinum

(See precautions for ornamental plantings)
ice plant, largeleaf  
impatients (busy lizzie)  
iris, bearded  
ivy, Algerian  
ivy, English  
juniper  
kumquat  
lavender, mountain  
laurelcherry, Carolina  
laurelcherry, English  
leucothoe, coast  
leucothoe, drooping  
lilac, common  
lily, plantain  
lily, bigblue  
lily-of-the-Nile  
linden, little leaf  
magnolia, southern  
manzanita, Stanford  
maple  
marigold  
mockorange  
moss, rose  
myoporum, prostrate  
myrtle, true  
oak Quercus spp.  
oleander  
olive, ornamental  
Oregon grape  
Osmanthus, holly-leaf  
Palo Verde, blue  
panay  
peach, ornamental  
periwinkle, bigleaf  
periwinkle, dwarf  
petunia  
photinia  
pine  
pittosporum  
privet, amur  
privet, glossy  
privet, golden  
privet, Japanese  
protea  
rannunculus, Persian  
redbud  
redcedar, eastern  
redcedar, western  
redwood, coast  
rhaphiolepsis (India hawthorn)  
rhododendron  
rose  
rose-of-Sharon (Shrubalthea)  
Russian olive  

Carpobrutus edulis  
Impatiens wallerana  
Iris spp.  
Hedera canariensis  
Hedera helix  
Ceanothus americanus  
Juniperus spp.  
Fortunella spp.  
Kalmia latifolia  
Prunus caroliniana  
Prunus laurocerasus  
Leucothoe axillaris  
Leucothoe fontanesiana  
Syringa vulgaris  
Hosta spp.  
Liriope muscari  
Agapanthus africanus  
Tilia cordata  
Magnolia grandiflora  
Arctostaphylos stamfordiana  
Acer spp.  
Tagetes spp.  
Portulaca grandiflora  
Myoporum parvifolium  
Myrtus communis  
Nerium oleander  
Citrus spp.  
Mahonia aquifolium  
Osmanthus heterophyllus  
Ceratium floridum  
Viola wittrockiana  
Pyrus communis  
Carya spp.  
Vinca major  
Vinca minor  
Petunia spp.  
Photinia fraseri  
Pinus spp.  
Pittosporum spp.  
Ligustrum amurense  
Ligustrum lucidum  
Ligustrum vicaryi  
Ligustrum japonicum  
Protea neriifolia  
Ranunculus asiaticus  
Cercis canadensis  
Juniperus virginiana  
Thuja plicata  
Sequoia sempervirens  
Rhaphiolepsis indica  
Rhododendron spp.  
Rose spp.  
Hibiscus syriacus  
Elaeagnus angustifolia
Surflan 75W Water Soluble Package / Draft Amend for RED / 11-07-05

sage
shrimp plant
snapdragon
sotol, desert spoon
spruce, black
spruce, Colorado
spruce, Englemann
spruce, Norway
spruce, white
star jasmine, Chinese
stonecrop
sumac, African
sweetgum, American
sweet William
tobira
trumpet vine, violet
viburnum, Laurustinus
viburnum, Sandankwa
weigela, oldfashioned
wintercreeper
xylosma, Japanese
yarrow
yaupon
yew
yew, Japanese
yewpine
yucca, pendulous
yucca, soaptree
zinnia, common

Salvia spp.
Justicia brandegeana
Antirrhinum majus
Dasylirion wheeleri
Picea mariana
Picea pungens
Picea engelmannii
Picea abies
Picea glauca
Trachelospermum jasminoides
Sedum brevifolium
Rhus lancea
Liquidambar styraciflua
Dianthus barbatus
Pittosporum tobira
Clytostoma callistegioides
Viburnum tinus
Virbunum suspensum
Weigela florida
Euonymus fortunei
Xylosma congestum
Achillea spp.
Ilex vomitoria
Taxus cuspidata
Podocarpus macrophyllus
Yucca recurvifolia
Yucca elata
Zinnea elegans

Surflan 75W May be Used on the Following Container-Grown Plants:

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Scientific Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>andromeda</td>
<td>Pieris japonica</td>
</tr>
<tr>
<td>arborvitae, American</td>
<td>Thuja occidentalis</td>
</tr>
<tr>
<td>arborvitae, Oriental</td>
<td>Platycladus orientalis</td>
</tr>
<tr>
<td>astilbe/false spirea</td>
<td>Astilbe chinensis and</td>
</tr>
<tr>
<td>barberry, Japanese</td>
<td>Berberis thunbergii</td>
</tr>
<tr>
<td>bellflower</td>
<td>Campanula elatines</td>
</tr>
<tr>
<td>blazing star</td>
<td>Liatris spicata</td>
</tr>
<tr>
<td>bleeding heart</td>
<td>Dicentra spectabilis</td>
</tr>
<tr>
<td>bottlebrush, lemon</td>
<td>Callistemon citrinus</td>
</tr>
<tr>
<td>boxwood, common</td>
<td>Buxus sempervirens</td>
</tr>
<tr>
<td>brush cherry</td>
<td>Syzygium paniculatum</td>
</tr>
<tr>
<td>cleyera, Japanese</td>
<td>Clerera japonica</td>
</tr>
<tr>
<td>cotoneaster, bearberry</td>
<td>Cotoneaster dammeri</td>
</tr>
<tr>
<td>cotoneaster, cranberry</td>
<td>Cotoneaster epicusculus</td>
</tr>
<tr>
<td>cotoneaster, parney</td>
<td>Cotoneaster lacteus</td>
</tr>
<tr>
<td>cotoneaster, rock</td>
<td>Lagerstroemia indica</td>
</tr>
<tr>
<td>crape Myrtle, common</td>
<td>Cryptomeria japonica</td>
</tr>
<tr>
<td>cryptomeria, Japanese</td>
<td>Cupressus arizonica (giabra)</td>
</tr>
<tr>
<td>cypress, Arizona</td>
<td>Cupressus sempervirens</td>
</tr>
<tr>
<td>cypress, Italian</td>
<td>Hemerocallis spp.</td>
</tr>
<tr>
<td>daylily</td>
<td>Cornus kousa</td>
</tr>
<tr>
<td>dogwood, kousa</td>
<td>Rhipsalidopsis gaertneri</td>
</tr>
<tr>
<td>eastercactus</td>
<td>Escallonia exonensis</td>
</tr>
</tbody>
</table>

page 13
euonymus, evergreen  
 euonymus, stringybark  
 fatshedera  
 firethorn  
 firethorn, formosa  
 firethorn, scarlet  
 gardenia  
 ginkgo  
 holly, Chinese  
 holly, Japanese  
 jerseytea, redroot  
 juniper  
 kumquat  
 lilac, common  
 lilyturf, bigblue  
 lily-of-the-Nile  
 linden, little leaf  
 mockorange  
 myrtle, true  
 oak Quercus spp.  
 oleander  
 orange, ornamental  
 pecan, ornamental  
 photinia  
 pine  
 pittosporum  
 privet, amur  
 privet, glossy  
 privet, golden  
 privet, Japanese  
 redbud  
 rhaphiolepsis (India hawthorn)  
 rhododendron  
 russian olive  
 shrimp plant  
 spruce, Colorado  
 sumac, African  
 sweetgum, American  
 trumpet vine, violet  
 viburnum, Laurustinus  
 wintercreeper  
 yaupon  
 yucca, soaptree  

Surflan 75W May be Used on the Following Field Grown Fruit Plant Nursery Liners†:

almond  
 apple  
 apricot  
 avacado  
 cherry  
 fig  
 filbert  
 grape  
 grapefruit  
 kiwi  
 lemon  
 macadamia nut  
 nectarine  
 olive  
 orange  
 blackberry  
 currant  
 pear  
 pecan  
 pistachio  
 plum  
 pomegranate  
 Prune  
 walnut, English  
 gooseberry
blueberry  dewberry  loganberry
boysenberry  elderberry  raspberry

†Plants transplanted for additional growth before transplanting to final growing location.

Tank Mix Combinations
Tank mix combinations of Surflan 75W plus glyphosate, and many other labeled herbicides may be used to control undesirable vegetation in ornamental areas. Surflan 75W may also be tank mixed with Gallery herbicide (California registration pending) and applied preemergence to broaden the spectrum of broadleaf weed control in ornamental areas. Applied as directed, these tank mixes of Surflan 75W will provide control of susceptible weed species listed on the respective labels. Refer to tank mix product labels for specific use directions, precautions and limitations before use.

Surflan 75W Plus glyphosate: Tank mix combinations of Surflan 75W plus glyphosate are recommended to control existing undesirable vegetation. Applied as directed, Surflan 75W plus glyphosate will provide postemergence control of susceptible weed species listed on the glyphosate label and residual preemergence control of susceptible weed species listed on the Surflan 75W label. Refer to the glyphosate label for specific use directions, precautions and limitations before use.

Precautions:
Do not apply sprays containing glyphosate over the top of ornamental plants.
Extreme care must be exercised to prevent contact of sprays containing glyphosate with foliage and stems of turfgrasses, trees, shrubs, or other desirable vegetation since severe damage or death may result.

Note: If spraying with glyphosate in areas adjacent to desirable plants, use a shield to prevent spray from contacting foliage and stems of desirable plants.

Ornamental Bulbs
Surflan 75W may be applied for control of susceptible annual weeds in ornamental bulbs, e.g., bulbous iris, daffodil (narcissus), hyacinth and tulip. Apply Surflan 75W to the soil surface 2 to 4 weeks after planting, but prior to the emergence of annual weeds. For fall planted bulbs, apply Surflan 75W again in late winter or early spring to weed-free soil surfaces.

Special Use Precautions:
Do not apply to tulip plants that have emerged to a height greater than 3/4 inch.
Do not apply to gladioli corms prior to emergence or less than one inch in diameter.

Broadcast Application Rates

<table>
<thead>
<tr>
<th>Time of Application</th>
<th>Soil Texture</th>
<th>Surflan 75W</th>
<th>Minimum Time Between Applications</th>
<th>Total Amount Allowed Per Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>Coarse</td>
<td>1</td>
<td>0.75</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>Medium and Fine</td>
<td>2</td>
<td>1.5</td>
<td>3</td>
</tr>
<tr>
<td>Feb. - Mar.</td>
<td>All Soil Textures</td>
<td>1</td>
<td>0.75</td>
<td>3</td>
</tr>
</tbody>
</table>

Greenhouse Areas
Surflan 75W may be applied to drainage areas under benches in open greenhouse-type structures. Do not apply in enclosed greenhouses or in enclosed shade house-type structures. Do not apply within three weeks prior to enclosure in greenhouse-type structures.
Christmas Tree Plantations

Surflan 75W Alone
Apply Surflan 75W as a directed spray to the soil surface or as an overtop spray to established plantings of field grown Christmas tree species, including fir (Abies spp.), pine (Pinus spp.), and spruce (Picea spp.). Do not apply to Douglas-fir (Pseudotsuga menziesii). Do not apply to seedbeds or seedling transplant beds. Apply only to established plantings. Established plants are defined as those that have been transplanted into their final growing location for a sufficient period of time to allow the soil to be firmly settled around the roots from packing and rainfall or irrigation. Follow all instructions provided in the “General Information” section of this label.

Broadcast Application Rates

<table>
<thead>
<tr>
<th>Length of Control</th>
<th>Surflan 75W</th>
<th>Minimum Time Between Applications</th>
<th>Total Amount Allowed Per Year</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(lb/acre)</td>
<td>(packets/acre)</td>
<td>(months)</td>
</tr>
<tr>
<td>2 - 4 months</td>
<td>2.6</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>4 - 8 months</td>
<td>5.2</td>
<td>4</td>
<td>2</td>
</tr>
</tbody>
</table>

Tank Mix Combinations
Tank mix combinations of Surflan 75W plus other labeled herbicides may be used as directed or overtop sprays in established Christmas tree plantings. When applied according to use directions, these tank mixes will provide control of susceptible weed species listed on the respective product labels. Refer to tank mix product labels for specific use directions, precautions and limitations before use.

Surflan 75W Plus glyphosate: Apply tank mix combinations of Surflan 75W plus glyphosate only as directed sprays in Christmas tree plantings. When applied according to use directions, Surflan 75W plus glyphosate will provide postemergence control of susceptible weed species listed on the glyphosate label and residual preemergence control of susceptible weed species listed on the Surflan 75W label. Refer to the glyphosate label for specific use directions, precautions and limitations before use.

Precautions:
Do not apply sprays containing glyphosate over the top of Christmas tree plantings. Extreme care must be exercised to avoid contact of spray containing glyphosate with foliage and stems of Christmas trees or severe damage or death may result.

Noncropland Areas and Industrial Sites

Noncropland Areas -- Tank Mix Combinations
Tank mix combinations of Surflan 75W plus glyphosate and many other labeled herbicides may be used to control undesirable vegetation in noncropland areas. When applied according to use directions, these tank mixes will provide control of susceptible weed species listed on the respective product labels. Refer to tank mix product labels for specific use directions, precautions and limitations before use.

Broadcast Application Rates

<table>
<thead>
<tr>
<th>Length of Control</th>
<th>Surflan 75W</th>
<th>Minimum Time Between Applications</th>
<th>Total Amount Allowed Per Year</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(lb/acre)</td>
<td>(packets/acre)</td>
<td>(months)</td>
</tr>
<tr>
<td>2 - 4 months</td>
<td>2.6</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>4 - 8 months</td>
<td>5.2</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>8 - 12 months</td>
<td>8</td>
<td>6</td>
<td>4</td>
</tr>
</tbody>
</table>
Industrial Sites -- Tank Mix Combinations

Tank mix combinations of Surfian 7SW plus glyphosate, Spike and many other labeled herbicides may be used as overtop sprays to control existing vegetation on industrial sites such as utility substations, highway guard rails, sign posts and delineators. When applied according to use directions, these tank mixes will provide control of susceptible weed species listed on the respective product labels. Refer to tank mix product labels for specific use directions, precautions and limitation before use.

Warm Season Turfgrasses

Surfian 7SW may be applied as a preemergence treatment for control of annual grasses and certain broadleaf weeds in established warm season turf including bahiagrass, bermudagrass, buffalo grass, centipedegrass, St. Augustinegrass and zoysiagrass or established tall fescue growing in warm season areas. Established turf is defined as a dense turf having a well-anchored root system and healthy, vigorous top growth. Surfian 7SW may be tank mixed with Gallery herbicide and applied preemergence to broaden the spectrum of broadleaf weed control in warm season turf. Refer to the label of Gallery for specific use directions, precautions, and limitations before use.

Successful preemergence control of weeds listed on this label requires that Surfian 7SW be applied prior to weed germination and be activated by at least one-half (1/2) inch of rainfall or irrigation within 21 days of application.

Special Use Precautions:
To avoid possible injury, do not apply Surfian 7SW to:
• Cool season turfgrass species.
• Golf course putting greens or tees or lawns containing dichondra or cool season turfgrass species.
• Newly sprigged or sodded areas of bermudagrass, St. Augustinegrass, centipedegrass, or zoysiagrass until these turfs are well-established and have well-anchored root systems.
• Newly hydromulched areas of bermudagrass until such areas are well-established.
• Bermudagrass variety "Sun Turf" when tank mixed with atrazine.

Surfian 7SW will not control emerged weeds.

Any cultural practices that disturb the soil, such as aerification or verticutting, should be done prior to application of Surfian 7SW.

Surfian 7SW may injure turf that is not well-established or is stressed or weakened due to unfavorable winter climatic conditions, drought, nematodes, or other factors which damage or weaken turf. Apply Surfian 7SW only to healthy, well-established turf that is well-anchored.

Use Surfian 7SW only as a part of a total turf management program that includes good fertilization practices.

Do not apply Surfian 7SW in the spring or early summer to tall fescue turfgrass reseeded the previous fall. In such cases, apply Balan® 2.5G granular herbicide at 60 to 80 pounds per acre in early summer (Round 1) and Surfian 7SW at a rate of 1 packet per 0.67 acre (2 pounds per acre) approximately eight weeks later (Round 2). Do not apply Surfian 7SW at the single application rate of 1 packet per acre (2.6 pounds per acre) to established tall fescue; in such cases, apply 1 packet per 0.67 acre (2 pounds per acre) of Surfian 7SW in an initial application, followed by a second application of 1 packet per 0.67 acre 8 to 10 weeks later.

In bermudagrass areas that have been overseeded with winter grasses, a spring application of Surfian 7SW will thin the overseeded grasses.
Annual Grasses Controlled by Surflan 75W

**Summer Annuals:**

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Scientific Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>barnyardgrass</td>
<td>Echinochloa crus-galli</td>
</tr>
<tr>
<td>(Watergrass)</td>
<td></td>
</tr>
<tr>
<td>crabgrass, large</td>
<td>Digitaria sanguinalis</td>
</tr>
<tr>
<td>crabgrass, smooth</td>
<td>Digitaria ischaemum</td>
</tr>
<tr>
<td>crabgrass</td>
<td>Digitaria spp.</td>
</tr>
<tr>
<td>crowfootgrass</td>
<td>Dactyloctenium aegyptium</td>
</tr>
<tr>
<td>foxtail, bristlegrass</td>
<td>Setaria magna</td>
</tr>
<tr>
<td>foxtail, giant</td>
<td>Setaria faberi</td>
</tr>
<tr>
<td>foxtail, green</td>
<td>Setaria viridis</td>
</tr>
<tr>
<td>(Pigeongrass)</td>
<td></td>
</tr>
<tr>
<td>foxtail, robust</td>
<td>Setaria robusta</td>
</tr>
<tr>
<td>foxtail, yellow</td>
<td>Setaria glauca</td>
</tr>
<tr>
<td>goosegrass</td>
<td>Eleusine indica</td>
</tr>
<tr>
<td>(Silver crabgrass)</td>
<td></td>
</tr>
<tr>
<td>johnsongrass</td>
<td>Sorghum halepense</td>
</tr>
<tr>
<td>(Seedling only)</td>
<td></td>
</tr>
<tr>
<td>ryegrass, Italian</td>
<td>Lolium multiflorum</td>
</tr>
<tr>
<td>sandbur, field</td>
<td>Cenchrus incertus</td>
</tr>
</tbody>
</table>

**Winter Annuals:**

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Scientific Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>bluegrass, annual</td>
<td>Poa annua</td>
</tr>
</tbody>
</table>

Annual Broadleaf Weeds Controlled by Surflan 75W

**Summer Annuals:**

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Scientific Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>carpetweed</td>
<td>Mollugo verticillata</td>
</tr>
<tr>
<td>knotweed, prostrate</td>
<td>Polygonum aviculare</td>
</tr>
<tr>
<td>purslane, common</td>
<td>Portulaca oleracea</td>
</tr>
</tbody>
</table>

**Winter Annals:**

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Scientific Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>chickweed, common</td>
<td>Stellaria media</td>
</tr>
<tr>
<td>henbit</td>
<td>Lamium amplexicaule</td>
</tr>
</tbody>
</table>

Broadleaf Weeds Suppressed by Surflan 75W

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Scientific Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>groundsel, common</td>
<td>Senecio vulgaris</td>
</tr>
<tr>
<td>spurge, prostrate</td>
<td>Euphorbia humistrata</td>
</tr>
<tr>
<td>woodsorrel, yellow</td>
<td>Oxalis stricta</td>
</tr>
</tbody>
</table>

**Application Rates, Frequency and Timing of Application**

Surflan 75W can be applied in the spring for summer annual grass and broadleaf weed control, and in the fall for annual bluegrass (Poa annua) and winter annual broadleaf weed control.
Broadcast Application Rates (Warm Season Turfgrasses)

<table>
<thead>
<tr>
<th>Use Area</th>
<th>Surflan 75W (lb/acre)</th>
<th>Minimum Time Between Applications (months)</th>
<th>Total Amount Allowed Per Year (lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>All, except Florida</td>
<td>2</td>
<td>3</td>
<td>8</td>
</tr>
<tr>
<td>Florida</td>
<td>2.6</td>
<td>3</td>
<td>8</td>
</tr>
<tr>
<td>Florida</td>
<td>2</td>
<td>3</td>
<td>6</td>
</tr>
</tbody>
</table>

1. **Summer Annual Grasses and Broadleaf Weeds**

   **Single Application Program:** Apply 2 to 3 packets (2.6 to 3.9 pounds) of Surflan 75W per acre in late winter or early spring, prior to the onset of conditions favorable for annual weed germination. Apply at a rate of 3 packets (3.9 pounds) per acre in areas with a longer growing season or where control of weeds is required for a longer period of time.

   **Split Application Program:** As an alternative to a single application program, Surflan 7SW may be applied in a split application. This program is desirable when the initial application is made well in advance of weed germination and where weed control is desired for a longer period of time. Apply at a rate of 1 packet (2 pounds per acre) per 0.67 acre in an initial application, followed by a second application of 1 packet per 0.67 acre 8 to 10 weeks later.

   The second treatment of the split application may follow application of a different preemergence grass herbicide in place of the initial application of Surflan 7SW.

2. **Annual Bluegrass (*Poa annua*) and Winter Annual Broadleaf Weeds**

   In areas of heavy annual bluegrass infestation, its elimination will result in temporary thinning of turfgrass cover. Proper fertilization, irrigation and soil incorporated reseeding should be employed to speed the restoration of desirable turfgrass cover in areas previously occupied by annual bluegrass (See section on reseeding).

   Apply Surflan 75W as a preemergence treatment in late summer or early fall, prior to the expected germination period for annual bluegrass and winter annual broadleaf weeds. If annual bluegrass infestation is severe and its elimination will result in thinning of turfgrass cover, apply Surflan 75W at a rate of 1 packet per 0.67 acre (2 pounds per acre). If thinning of turfgrass cover is not a potential problem, Surflan 75W may be applied at a rate of 2 packets per acre (2.6 pounds per acre).

   **Weed Control in Florida:** In Florida, apply at a rate of 1 packet per 0.67 acre (2 pounds per acre) of Surflan 75W three times per year, or every 90 to 100 days, in the fall, early spring, and early summer. Do not apply more than 1 packet per 0.67 acre (2 pounds) of Surflan 75W in any single application.

   **Application Equipment**

   Apply Surflan 75W evenly over the turfgrass area. Avoid spray pattern skips and overlaps that may result in incomplete coverage or over-application. For best results use application equipment designed to uniformly broadcast liquid herbicides. Calibrate application equipment prior to use, according to manufacturer's directions. Check equipment frequently to make sure it is working properly and distributing spray uniformly.

   **Reseeding**

   Herbicides that control annual weeds may also affect establishment of desirable turfgrass seedlings. Reseeding should be delayed for at least 90-120 days following application of Surflan 75W. When reseeding, it is essential that proper cultural practices such as soil cultivation and seedbed preparation, irrigation and fertilization be followed. For satisfactory reseeding results following use of Surflan 75W, the seeding rate should be increased and equipment designed to place seed in full contact with soil (such as the Rogers Aero Seeder) should be employed.
IMPORTANT INFORMATION
READ BEFORE USING PRODUCT

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

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