7050650

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	Washington, I	DC 20460			161		
	Applica	tion for P	esticide – Sectio	n I			
1. Company/Product Number 70506-50			2. EPA Product Ma			3. Propos	ed Classification
4. Company/Product (Name)			PM#			X Non	e Restricted
United Phosphorus, Inc/Surfla 5. Name and Address of Appl			6. Expedited Rev	iow in ac	cordance	a with FIEI	PA Section 3/c)/3)
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423 Riverview Plaza			to:			•	j
Trenton, NJ 08611			EPA Reg No.				
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Resubmission in respons	se to Agency letter dated		Me Too" A	pplication			
X Notification – Explain be	low		Other – Exp	olain belov	v		
Explanation: Use additional Notification of alternate brand	page(s) if necessary. (For Sec name: <u>Surflan WDG Specialt</u> y		ction II.)	-			
This notification is consistent vito the labeling or the confident false statement to EPA. I furth product may be in violation of	ial statement of formula of this ner understand that if this notifi	product. I u cation is not	nderstand that it is a v consistent with the ter	riolation of ms of PR	f 18 U.S.(Notice 9	C. Sec. 10 8-10 and 4	01 to willfully make any 10 CFR 152.46, this
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Material This Product Will be	ne Packaged in:						
Child-Resistant Packaging	Unit Packaging	W	ater Soluble Packagin	ig		2. Type	of Container
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Section IV							
Contact Person (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.) Name Title Telephone No. (Include Area Code)							
Name Title Telephone No. (Include Area Code) Rebecca A. Clemmer Regulatory Affairs Manager 609-392-8200							
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law							
-2-Signature	leunner	3. Title Regulatory	Affairs Manager				(Stamped)
4. Typed Name		5. Date					
Rebecca A. Clemmer		October 28	3, 2004				

3/28

(Base Label):

(Logo) United Phosphorus, Inc.

Marked copy

Surflan WDG Specialty Herbicide

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:

oryzalin: 3,5-dinitro-N⁴,N⁴-

 dipropylsulfanilamide
 85.0%

 Inert Ingredients
 15.0%

 Total
 100.0%

Contains 0.85 pounds of active ingredient per pound of product.

NOTIFICATION

NOV 1 9 2004

CAUTION PRECAUCION

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.



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.

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 "Warranty Disclaimer" and "Limitation of Remedies" inside tabel booklet.

For emergency medical assistance, call the National Pesticide Information Center 1-800-858-7378. For chemical emergency: spill, leak, fire, exposure, or accident, call CHEMTREC 1-800-424-9300. Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg.	No.	70506-50
EPA E	st.	

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

Net Weight 12 lb



[Label Booklet]

(Logo) United Phosphorus, Inc.

Surflan WDG Specialty Herbicide

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

- Landscape ornamentals
- Container grown ornamentals
- Field grown ornamentals
 Non-bearing
- Drainage areas under greenhouse benches
- Ornamental buibs
- Ground covers

- Christmas tree plantations
- Noncropiand
- Non-bearing trees and vines
- · Industrial sites
- Established warm season turf (including Bahiagrass, Bermudagrass, Buffalograss, Centipedegrass, St. Augustinegrass,

Tall Fescue and Zoysiagrass)

Active Ingredient:

Keep Out of Reach of Children

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 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 "Warranty Disclaimer" and "Limitation of Remedies" inside label booklet.

For 24 hour emergency medical assistance, call the National Pesticide Information Center 1-800-858-7378. For chemical emergency: spill, leak, fire. exposure, or accident, call CHEMTREC 1-800-424-9300. Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing. EPA Reg. No. 70506-50

EPA Est. _____

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

Specialty Herbicide

Net Weight 12 lb



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Warranty Disclaimer Inherent Risks of Use Limitation of Remedies



[Page 2 of label booklet]

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

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

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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.

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.

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 provided that they are performing tasks that do not involve contact with the soil subsurface, 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.

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 use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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General Information

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

Deleted: h

General Use Precautions and Restrictions

Surfian WDG 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 WDG 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 WDG may also be applied with mulch colorants, such as Mulch Magic or Nu-Mulch.

Users who wish to use Surflan WDG 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 non-injurious to the target plant species. The user assumes responsibility for any plant damage or other liability resulting from use of Surflan WDG on plant species not recommended on this label.

Do not graze or feed forage from treated areas to livestock.

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

Soil Preparation

Surflan WDG 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 WDG Alone

Make sure spray tank is clean. Fill spray tank 1/4 full with clean water. Start agitation. Vigorous, continuous agitation throughout the spray tank is required with water dispersible granule (WDG) formulations. Add the correct amount of Surflan WDG to the spray tank in a controlled manner to aid in mixing and dispersion and to prevent clogging of screens and outlet ports. Maintain continuous agitation from mixing through application.

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

Surflan WDG Tank Mix Combinations

Vigorous continuous agitation is required for all tank mixes of Surflan WDG. Sprayer pipe agitators generally provide the best agitation in spray tanks. To prevent foaming, keep the end of the fill pipe below the surface of the water in the spray tank during filling to prevent air from being stirred or splashed into the mixture.



Mixing Order: Fill the tank 1/4 full with clean water, start agitation and add the correct amount of Surflan WDG as described above. Fill the spray tank to about 90 percent of final spray volume. Add other formulations 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 or water dispersible granule formulations.

Add different formulation types in the following order: dry flowables (DF); wettable powders (WP); flowables (F), liquids (L) or aqueous suspensions (AS); solutions (S); and emulsifiable concentrates (EC). Maintain continuous agitation during mixing, final filling and throughout application. 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 sprayer agitator is particularly useful for this purpose. Settled materials may be more difficult to resuspend than when originally mixed.

Premixing: When tank mixing, initial mixing and dispersion of certain dry flowable or wettable powder products may be improved by premixing with water (slurrying). Where recommended, follow product label instructions for each material. 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 WDG as a directed spray to the soil surface or over top of plants using a vehicle-mounted, pull-type, or backpack sprayer. Apply the appropriate rate of Surflan WDG 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 WDG to the treated area. The volume of water used is not critical, as long as the desired rate of Surflan WDG 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 WDG 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.

Aerial Application

Aerial Application: Aerial application is prohibited, except for agricultural uses in the state of California.

Use a standard aerial herbicide boom sprayer. Aerial spray equipment should be calibrated to apply the proper amount of Surflan WDG alone or in tank mix combinations in 2 to 10 gallons of spray mixture per acre. Nozzle screens and in-line strainers should be no finer than 50 mesh. Surflan WDG mixes readily with water for concentrate aerial sprays; however, constant vigorous agitation that sweeps the contents from the bottom of the spray tank up into the main body of the liquid is required to maintain a uniform suspension until the spray tank is empty. Avoid spray pattern skips and overlaps that may result in incomplete coverage or over-application. Do not apply when wind conditions favor drift from the target area.



Spray Drift Management

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment-and-weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions. The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.

- The distance of the outer most nozzles on the boom must not exceed % the length of the wingspan or rotor
- Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees. Where states have more stringent regulations, they should be observed.

The applicator should be familiar with and take into account the information covered in the following Aerial Drift Reduction Advisory Information:

Importance of Droplet Size: The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see Wind, Temperature and Humidity, and Temperature Inversion section of this label).

Controlling Droplet Size:

Volume-Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.

Pressure-Use the lower spray pressures recommended for the nozzle. Higher pressure reduces droplet size and does not improve canopy penetration. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.

Number of nozzles-Use the minimum number of nozzles that provide uniform coverage.

Nozzle Orientation-Orienting nozzles so that the spray is released backwards, parallel to the airstream will produce larger droplets than other orientations. Significant deflection from the horizontal will reduce droplet size and increase drift potential.

Nozzle Type-Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce larger droplets than other nozzle types.

Boom Length-For some use patterns, reducing the effective boom length to less than % of the wingspan or rotor length may further reduce drift without reducing swath width.

Application-Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

Swath Adjustment: When applications are made with a cross-wind, the swath will be displaced downwind. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with increasing drift potential (higher wind, smaller drops, etc.).



Wind: Drift potential is lowest between wind speeds of 2-10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. Note: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect drift.

Temperature and Humidity: When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

Temperature Inversions: Applications should not occur during a temperature inversion, because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a connected cloud (under low wind conditions) indicates an inversion, while smoke that moves upwards and rapidly dissipates indicates good vertical air mixing.

Sensitive Areas: The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g., residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g., when wind is blowing away from the sensitive areas).

Equipment Cleaning

If a buildup of material occurs on the walls of the spray tank, it should be removed between fillings by washing with soap and water and rinsing thoroughly. Tanks, lines, screens and nozzles should be cleaned thoroughly after each use.

Activation and Cultivation

Surflan WDG 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 WDG. A minimum of one-half (1/2) inch of rain or its equivalent in sprinkler irrigation is necessary to activate Surflan WDG. 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 WDG 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 WDG Specialty Herbicide

Annual Grasses:

Common Name Scientific Name

barley, little Hordeum pusillum barnyardgrass Echinochloa crus-galli

(watergrass)

bluegrass, annual Poa annua crabgrass, large Digitaria sanguinalis

crabgrass, smooth Digitaria ischaemum crowfootgrass Dactyloctenium aegyptium

cupgrass, southwestern Eriochloa gracilis foxtail, bristlegrass Setaria magna foxtail, giant Setaria faberi foxtail, green Setaria viridis

(pigeongrass)

foxtail, robust Setaria robusta



foxtail, yellow goosegrass

(silver crabgrass)

Johnsongrass (seedling only)

junglerice lovegrass, Mexican lovegrass, orcutt oat, wild

panicum, browntop panicum, fall

(spreading panicgrass) panicum, Texas

(buffalograss) (Coloradograss)

ryegrass, Italian sandbur, field signalgrass (Brachiaria) sprangletop, red witchgrass Setaria glauca Eleusine indica

Sorghum halepense

Echinochloa colonum Eragrostis mexicana Eragrostis orcuttiana Avena fatua

Panicum fasciculatum Panicum dichotomiflorum

Panicum texanum

Lolium multiflorum Cenchrus incertus Brachiaria spp. Leptochloa filiformis Panicum capillare

Broadleaf Weeds:

bittercress carpetweed chickweed, common fiddleneck, coast filaree, redstem filaree, whitestem groundsel, common henbit knotweed, prostrate lambsquarters pigweed, prostrate pigweed, redroot pigweed, spring pigweed, tumble puncturevine purslane, common pusley, Florida

(Florida purslane) (Mexican clover) (pusley)

rocket, London rockpurslane, desert shepherdspurse spurge, prostrate woodsorrel, yellow Scientific Name

Cardamine oligosperma Mollugo verticiliata Stellaria media Amsinckia intermedia Erodium cicutarium Erodium moschatum Senecio vulgaris Lamium amplexicaule Polygonum aviculare Chenopodium album Amaranthus blitoides Amaranthus retroflexus Amaranthus hybridus Amaranthus albus Tribulus terrestris Portulaca oleracea Richardia scabra

Sisymbrium irio Calandrinia ciliata Capsella bursa-pastoris Euphorbia humistrata Oxalis stricta



Weeds Suppressed by Surflan WDG Specialty Herbicide

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:

Common Name Scientific Name

horseweed Conyza canadensis
ladysthumb Polygonum persicaria
lettuce, prickly Lactuca serriola
mallow, common Malva neglecta

milkweed, climbing Sarcostemma cynanchoides

morningglory Ipomoea spp. mustard, black Brassica nigra mustard, wild Brassica kaber nightshade, black Solanum nigrum ragweed, common Ambrosia artemisiifolia smartweed Polygonum pensylvanicum sowthistle, annual Sonchus oleraceus spurge, spotted Euphorbia maculata teaweed (prickly sida) Sida spinosa Abutilon theophrasti velvetleaf

Labeled Use Sites

wheat, volunteer

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 WDG 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.

Triticum spp.

- · 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.

On container grown ornamentals where weed seed germination continues for extended periods of time, do not make repeat applications of Surflan WDG for at least 90 days or crop injury may occur.

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

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



Broadcast Application Rates

	Length of	Sur	flan WDG	Minimum Time Between Applications	Total Amount Allowed Per Year
Labeled Use Site	Control	(lb/acre)	(oz/1200 sq ft)	(months)	(lb/acre)
Landscape	2 - 4 months	2.4	1	2	9.4
Ornamentals	3 - 6 months	3.5	1.5	4	14
	4 - 8 months	4.7	2	4	. 14
Field-grown and	2 - 4 months	2.4	1	3	9.4
container-grown	3 - 6 months	3.5	1.5	3	10.6
ornamentals	4 - 8 months	4.7	2	3	14

Handheld or Backpack Sprayer Application

Apply Surflan WDG at a rate of 1 to 2 ounces per 1200 square feet. The amount of water used to apply Surflan WDG is not critical, but should be sufficient for uniform treatment of the target area. Calibrate by determining the volume of water required to treat 1200 square feet. Use this calibration volume to determine the amount of water and Surflan WDG needed to treat the target area (see following table). Note: Sprayer calibration (volume of spray needed to treat 1,000 square feet) will vary with each individual operator.

Length of Control	Application Rate (oz/1200 sq ft)	Quantity of Water Needed
2 to 4 months	1	The amount required by your
4 to 8 months	2	sprayer to cover 1200 sq ft of area.

Sample Calculation:

Size of target area + 1200 x Application rate = Amount of Surflan WDG required

Size of target area + 1200 x Calibration volume per 1200 sq ft = Amount of water required

Recommended Species Including Fruit Plant Nursery Liners

Surflan WDG is recommended for use on certain container- and field-grown established crnamental 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 WDG 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 WDG 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.

Common Name abelia, glossy acacia, prostrate agave Andromeda

apple arborvitae, American arborvitae, Oriental Scientific Name
Abelia grandiflora
Acacia redolens
Agave macroculmis
Pieris japonica
Malus spp.
Thuja occidentalis
Platycladus orientalis

ash aster, stokes astilbe/false spirea

azalea baby's breath barberry, Japanese beliflower birch, river birch, white bird of paradise blazing star bleeding heart bottlebrush, lemon boxwood, common boxwood, Japanese brush cherry caldaium, fancy leafed California laurel campanula (beliflower) cape marigoid carpet bugle cassia, feathery cherry, Mahaleb cherry, sweet chrysanthemum, florists clevera, Japanese coneflower, purple coreopsis cotoneaster, bearberry cotoneaster, brightbead cotoneaster, cranberry cotoneaster, parney cotoneaster, Pyrenees cotoneaster, rock cotoneaster, rockspray cottonwood

(grown for pulp) coyotebush, dwarf crape Myrtle, common cryptomeria, Japanese cypress, Arizona cypress, Italian daisy, gloriosa

(black-eyed Susan) daisy, painted daisy, shasta daisy, trailing African daylily dogwood, flowering dogwood, kousa

escallonia eucalyptus, mealy

eucalyptus, narrow-leaved

eucalyptus, red

eastercactus

Fraxinus spp. Stokesia laevis Astilbe chinensis and A. chinensis hybrids Rhododendron spp. Gypsophila paniculata Berberis thunbergii Campanula elatines Betula nigra Betula pendula Strelitzia reginae Liatris spicata Dicentra spectabilis Callistemon citrinus Buxus sempervirens Buxus microphylla japonica Syzygium paniculata Caladium biçolor Umbellularia californica Campanula spp. Dimorphotheca spp. Ajuga spp. Cassia artemisioides Prunus mahaleb Prunus avium

Chrysanthemum morifolium

Cleyera japonica Echinacea purpurea Coreopsis lanceolata Cotoneaster dammeri Cotoneaster buxifolius Cotoneaster apiculatus Cotoneaster lacteus Cotoneaster congestus Cotoneaster horizontalis Cotoneaster microphyllus Populus deltoides

Baccharis pilularis Lagerstroemia indica Cryptomeria japonica Cupressus arizonica (glabra) Cupressus sempervirens Rudbeckia hirta

Chrysanthemum coccineum Chrysanthemum maximum Osteospermum fruticosum Hemerocallis spp. Cornus florida Comus kousa Rhipsalidopsis gaertneri Escallonia exoniensis Eucalyptus cinerea Eucalyptus nicholii Eucalyptus sideroxylon



euonymus, evergreen Euonymus japonica euonymus, stringybark Euonymus fortunei euonymus, winged Euonymus alata falsecypress, Lawson

Chamaecyparis lawsoniana

fatshedera Fatshedera lizei fir alpine Abies lasiocarpa fir, balsam Abies balsamea fir, fraser Abies fraseri fir, grand Abies grandis fir, Vietch Abies veitçhi fir, white Abies concolor firethorn Pyracantha, fortuneana

firethorn, formosa Pyracantha skoidzumi firethorn, scarlet Pyracantha coccinea forsythia, border Forsythia intermedia gardenia Gardenia iasminoides gazania, trailing Gazania rigens leucolaena geranium (Pelargonium) Pelargonium hortorum

Geum quellyon aeum Ginkgo biloba ginkgo garden gladiolus Gladiolus hortulanus goldenrain tree Koelreuteria paniculata heavenly bamboo (Nandina) Nandina domestica hibiscus, Chinese Hibiscus rosa-sinesis

holly, Chinese llex cornuta holly, English llex aquifolium holly, Japanese llex crenata honeysuckle, Japanese Lonicera japonica honeysuckle, Mexican Justicia spicigera hopseedbush, clammy Dodonaea viscosa

Mesembryanthemum crystallinum

(See precautions for ornamental plantings) ice plant, largeleaf Carpobrutus edulis

(See precautions for ornamental plantings)

impatiens (Busy lizzie) Impatiens wallerana

iris, bearded Iris spp.

ivy, Algerian Hedera canariensis ivy, English Hedera helix

Jerseytea, redroot Ceanothus americanus

iuniper Juniperus spp. kumquat Fortunella spp. laurel, mountain Kalmia latifolia laurelcherry, Carolina Prunus caroliniana laurelcherry, English Prunus laurocerasus leucothoe, coast Leucothoe axillaris leucothoe, drooping Leucothoe fontanesiana lilac, common Syringa vulgaris

lily, plantain Hosta spp. lilyturf, bigblue Liriope muscari lily-of-the-Nile Agapanthus africanus linden, little leaf Tilia cordata

Magnolia grandiflora magnolia, Southern manzanita, Stanford Arctostaphylos stanfordiana

maple Acer spp. marigold Tagetes spp. mockorange Philadelphus spp:

moss, rose

myoporum, prostrate

myrtle, true oak oleander

orange, ornamental Oregon grape osmanthus, holly-leaf Palo Verde, blue

pansy pear

pecan, ornamental periwinkle, bigleaf periwinkle, dwarf

petunia photinia pine pittosporum privet, amur privet, glossy privet, golden privet, Japanese

protea

ranunculus, Persian

redbud

redcedar, eastern redcedar, western redwood, coast

rhaphiolepsis (India hawthorn)

rhododendron

rose

rose-of-Sharon (Shrubalthea)

Russian olive sage shrimp plant snapdragon sotol, desert spoon spruce, black spruce, Colorado spruce, Englemann spruce, Norway

star jasmine, Chinese

spruce, white

stonecrop sumac, African sweetgum, American sweet William

tobira

trumpet vine, violet viburnum, Laurustinus virbumum, Sandankwa weigela, oldfashioned

wintercreeper xylosma, Japanese

yarrow yaupon Portulaca grandiflora Myoporum parvifolium Myrtus communis Quercus spp. Nerium oleander Citrus spp.

Mahonia aquifolium Osmanthus heterophyllus Cercidium floridum Viola wittrockiana Pyrus communis Carya spp. Vinca major Vinca minor Petunia spp. Photinia fraseri Pinus spp. Pittosporum spp. Ligustrum amurense

Protea neriifolia Ranunculus asiaticus Cercis canadensis Juniperus virginiana

Ligustrum japonicum

Ligustrum lucidum

Ligustrum vicaryi

Thuia plicata

Sequoia sempervirens Rhaphiolepsis indica Rhododendron spp. Rosa spp.

Hibiscus syriacus Elaeagnus angustifolia

Salvia spp.

Justicia brandegeana Antirrhinum majus Dasylirion wheeleri Picea mariana Picea pungens Picea englemanni 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. llex vomitoria



yew

yew, Japanese

yewpine yucca, pendulous

yucca, soaptree zinnia, common Taxus media Taxus cuspidata

Podocarpus macrophyllus

Yucca recurvifolia Yucca elata Zinnea elegans

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

Common Name

andromeda

arborvitae, American arborvitae, Oriental astilbe/false spirea

barberry, Japanese

ballflower
blazing star
bleeding heart
bottlebrush, lemon
boxwood, common
brush cherry
cleyera, Japanese
cotoneaster, bearberry
cotoneaster, cranberry
cotoneaster, rock
crape Myrtle, common
cryptomeria, Japanese
cypress, Arizona
cypress, Italian

daylily dogwood, kousa

eastercactus escallonia

euonymus, evergreen euonymus, stringybark

fatshedera firethorn

firethorn, formosa firethorn, scarlet

gardenia ginkgo holly, Chinese holly, Japanese

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 Scientific Name

Pieris japonica Thuja occidentalis Platycladus orientalis Astilbe chinensis and A. chinensis hybrids Berberis thunbergii Campanula elatines Liatris spicata Dicentra spectabilis Callistemon citrinus Buxus sempervirens Syzygium paniculata Cleyera japonica Cotoneaster dammeri Cotoneaster apiculatus Cotoneaster lacteus Cotoneaster horizontalis Lagerstroemia indica Cryptomeria japonica Cupressus arizonica (glabra)

Cupressus sempervirens Hemerocallis spp. Cornus kousa

Rhipsalidopsis gaertneri Escallonia exoniensis Euonymus japonica Euonymus fortunei Fatshedera lizei Pyracantha, fortuneana Pyracantha skoidzumi Pyracantha coccinea Gardenia jasminoides Ginkgo biloba

llex comuta llex crenata

Ceanothus americanus

Juniperus spp.
Fortunella spp.
Syringa vulgaris
Liriope muscari
Agapanthus africanus
Tilia cordata
Philadelphus spp.
Myrtus communis

Nerium oleander '



orange, ornamental Citrus spp. pecan, ornamental Carya spp. photinia Photinia fraseri Pinus spp. pine Pittosporum spp. pittosporum privet, amur Ligustrum amurense Ligustrum lucidum privet, glossy privet, golden Ligustrum vicaryi Ligustrum japonicum privet, Japanese redbud Cercis canadensis rhaphiolepsis (India hawthorn) Rhaphiolepsis indica Rhododendron spp. rhododendron

rhododendron Rhododendron spp.
Russian olive Elaeagnus angustifolia shrimp plant Justicia brandegeana spruce, Colorado Picea pungens sumac, African Rhus lancea sweetgum, American Liquidambar styreciflua

trumpet vine, violet Ciytostoma callistegioides viburnum, Laurustinus Viburnum tinus wintercreeper Euonymus fortunei yaupon Ilex vomitoria

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

Yucca elata

almond

grapefruit

pear pecan

pistachio

walnut, English

apple apricot avocado cherry

yucca, soaptree

kiwi lemon

macadamia nut plum nectarine pomegranate olive prune

fig olive filbert orange

grape

Small Fruits:

blackberry blueberry boysenberry currant dewberry elderberry gooseberry loganberry raspberry

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



Tank Mix Combinations

Tank mix combinations of Surfian WDG plus Roundup, and many other labeled herbicides may be used to control undesirable vegetation in ornamental areas. Surfian WDG may also be tank mixed with Gallery* herbicide and applied preemergence to broaden the spectrum of broadleaf weed control in ornamental areas. Applied as directed, these Surfian WDG tank mixes 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 WDG plus Roundup: Tank mix combinations of Surflan WDG plus Roundup are recommended to control existing undesirable vegetation. Applied as directed, Surflan WDG plus Roundup will provide postemergence control of susceptible weed species listed on the label for Roundup and residual preemergence control of susceptible weed species listed on the label for Surflan WDG. Refer to the label for Roundup for specific use directions, precautions and limitations before use.

Precautions:

Do not apply sprays containing Roundup over the top of ornamental plants. Extreme care must be exercised to prevent contact of sprays containing Roundup with foliage and stems of turfgrasses, trees, shrubs, or other desirable vegetation since severe damage or death may result. Note: If spraying with Roundup in areas adjacent to desirable plants, use a shield to prevent spray from contacting foliage and stems of desirable plants.

Ornamental Bulbs

Surflan WDG may be applied for control of susceptible annual weeds in ornamental bulbs, e.g., bulbous iris, daffodil (narcissus), hyacinth and tulip. Apply Surflan WDG to the soil surface 2 to 4 weeks after planting, but prior to the emergence of annual weeds. For fall planted bulbs, apply Surflan WDG 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

Time of		Sur	flan WDG	Minimum Time Between Applications	Total Amount Allowed Per Year
Application	Soil Texture	(lb/acre)	(oz/1200 sq ft)	(months)	(lb/acre)
Fall	Coarse	0.88	0.4	3	1.75
Fall	Medium and Fine	1.75	0.8	3	2.65
Feb March	All Soil Textures	0.88	0.4	3	2.65

Greenhouse Areas

Surflan WDG may be applied to drainage areas under benches in open greenhouse-type structures. Do not apply in enclosed greenhouses or in enclosed shadehouse-type structures. Do not apply within three weeks prior to enclosure in greenhouse-type structures.

Christmas Tree Plantations

Surflan WDG Alone

Apply Surflan WDG 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

Length of	Sur	flan WDG	Minimum Time Between Applications	Total Amount Allowed Per Year
Control	(lb/acre)	(oz/1200 sq ft)	(months)	(lb/acre)
2 - 4 months	2.4	1	2	9.4
4 - 8 months	4.7	2	2	9.4

Tank Mix Combinations

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

Precautions:

Do not apply sprays containing Roundup over the top of Christmas tree plantings. Extreme care must be exercised to avoid contact of spray containing Roundup 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 WDG plus Roundup 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.

			Minimum	Total
			Time	Amount
			Between	Allowed Per
Length of	Sur	flan WDG	Applications	Year
Control	(lb/acre)	(oz/1000 sq ft)	(months)	(lb/acre)
2 - 4 months	2.4	1	2	7
4 -8 months	4.7	2	4	14
8 - 12 months	7.1	3	8	14

Industrial Sites -- Tank Mix Combinations

Tank mix combinations of Surflan WDG plus Roundup, 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

Surflan WDG may be applied as a preemergence treatment for control of annual grasses and certain broadleaf weeds in established warm season turf including bahiagrass, bermudagrass, buffalograss, 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. Surflan WDG 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 for Gallery herbicide for specific use directions, precautions, and limitations before use.

Successful preemergence control of weeds listed on this label requires that Surflan WDG 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 Surflan WDG 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.

Surflan WDG will not control emerged weeds.

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

Surflan WDG 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 root systems. Apply Surflan WDG only to healthy, well-established turf that has a well-anchored root system.

Use Surflan WDG only as a part of a total turf management program that includes good fertilization practices.

Do not apply Surflan WDG 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 Surflan WDG at 1.75 pounds per acre twelve weeks later (Round 2). Do not apply Surflan WDG at the single application rate (2.4 pounds per acre) to established tall fescue; in such cases, apply 1.75 pounds per acre of Surflan WDG in an initial application, followed by a second application of 1.75 pounds per acre 12 weeks later.

In bermudagrass areas that have been overseeded with winter grasses, a spring application of Surflan WDG will thin the overseeded grasses.



Annual Grasses Controlled by Surflan WDG Specialty Herbicide

Summer Annuals:

Common Name

Scientific Name Echinochloa crus-galli

barnyardgrass

(watergrass) crabgrass, large

Digitaria sanguinalis

crabgrass, smooth

Digitaria ischaemum Digitaria spp.

crabgrass crowfootgrass

Dactyloctenium aegyptium

foxtail, bristlegrass

Setaria magna Setaria faberi Setaria viridis

foxtail, giant foxtail, green

foxtail, yellow

(pigeongrass) foxtail, robust

Setaria robusta Setaria glauca Eleusine indica

goosegrass (silver crabgrass)

Johnsongrass

Sorghum halepense

(seedling only)

ryegrass, Italian

sandbur, field

Lolium multiflorum

Cenchrus incertus

Winter Annuals:

Common Name

Scientific Name

bluegrass, annual

Poa annua

Annual Broadleaf Weeds Controlled by Surflan WDG Specialty Herbicide

Summer Annuals:

Common Name

Scientific Name

carpetweed

Mollugo verticillata

knotweed, prostrate

Polygonum aviculare Portulaca oleracea

pursiane, common

Winter Annuals:

Common Name

Scientific Name

chickweed, common

Stellaria media

henbit

Lamium amplexicaule

Broadleaf Weeds Suppressed by Surfian WDG Specialty Herbicide

Common Name

groundsel, common

Scientific Name Senecio vulgaris Euphorbia humistrata

spurge, prostrate

woodsorrel, yellow

Oxalis stricta

Application Rates, Frequency and Timing of Application

Surflan WDG 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)

	Surflan WDG		Minimum Time Between Applications	Total Amount Allowed Per Year
Use Area	(lb/acre)	(fl oz/1200 sq ft)	(months)	(lb/acre)
All, except	1.75	0.8	3	7
Florida	2.4	1	3	7
Florida	1.75	0.8	3	5.3

1. Summer Annual Grasses and Broadleaf Weeds

Single Application Program: Apply 2.4 pounds per acre of Surflan WDG per acre in late winter or early spring, prior to the onset of conditions favorable for annual weed germination.

Split Application Program: As an alternative to a single application program, Surflan WDG 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 1.75 pounds per acre of Surflan WDG in an initial application, followed by a second application of 1.75 pounds per acre 12 weeks later.

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

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 WDG 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 WDG at 1.75 pounds per acre. If thinning of turfgrass cover is not a potential problem, Surflan WDG may be applied at 2.4 pounds per acre.

Weed Control in Florida

In Florida, apply 1.75 pounds per acre of Surflan WDG three times per year, or every 90 to 100 days, in the fall, early spring, and early summer. Do not apply more than 1.75 pounds per acre of Surflan WDG in any single application.

Application Equipment

Apply Surflan WDG 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 WDG. 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 Surflan WDG use, 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.



Warranty Disclaimer

United Phosphorus, Inc. (UPI) warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. UPI MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Crop injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of UPI or the seller. All such risks shall be assumed by buyer.

Limitation of Remedies

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at UPI's election, one of the following:

- 1. Refund of purchase price paid by buyer or user for product bought, or
- 2. Replacement of amount of product used.

UPI shall not be liable for losses or damages resulting from handling or use of this product unless UPI is promptly notified of such loss or damage in writing. In no case shall UPI be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer above and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of UPI or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

Warranty Disclaimer

Dow AgroSciences warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. Dow AgroSciences MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Dow AgroSciences or the seller. All such risks shall be assumed by buyer.

Limitation of Remedies

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Dow AgroSciences' election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or

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2. Replacement of amount of product used.

Dow AgroSciences shall not be liable for losses or damages resulting from handling or use of this product unless Dow AgroSciences is promptly notified of such loss or damage in writing. In no case shall Dow AgroSciences be liable for consequential or incidental damages or losses.

The terms of the "Warranty Disclaimer" above and this "Limitation of Remedies" cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Dow AgroSciences or the seller is authorized to vary or exceed the terms of the "Warranty Disclaimer" or this "Limitation of Remedies" in any manner.

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United Phosphorus, Inc.

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October 28, 2004

Ms. Joanne Miller (PM 23)
Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504C)
U.S. Environmental Protections Agency
1801 Bell Street
Arlington, VA 22202

Re: Notification of Alternate Brand Name

Surflan WDG (EPA Reg. No. 70506-50)

Dear Ms. Miller:

United Phosphorus, Inc. hereby notifies the Agency of an alternate brand name for the subject product. The alternate name is

Surflan WDG Specialty Herbicide

Enclosed in support of this Notification are the following items:

- EPA form
- One copy of label, marked to show changes
- One clean copy of the label.

Please contact me if you have any questions.

Very truly yours,

Rebecca A. Clemmer

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