

DowElanco IDXXXX

TURF FERTILIZER - CONTAINS SURFLAN

A Balanced Turf Fertilizer Containing SURFLAN, a Selective Preemergence Herbicide for Control of Certain Broadleaf Weeds and Most Annual Grasses in Established Southern Turfgrass.

For Use On Established Southern Turf
Bahia grass - Bermudagrass - Centipedegrass
St Augustinegrass - Tall Fescue - Zoysiagrass

Active Ingredients:

oryzalin*: 3,5-dinitro-N⁴,N⁴-dipropylsulfanilamide..... 1.0%
Inert Ingredients..... 99.0%

GUARANTEED FERTILIZER ANALYSIS

Total Nitrogen..... 18.0%
Available Phosphoric Acid (P₂O₅)..... 5.0%
Soluble Potash (K₂O)..... 9.0%

NET WEIGHT - 50 POUNDS

Contains 0.5 pounds active ingredient per 50 pound bag.

SURFLAN(R) - (oryzalin, DowElanco)

KEEP OUT OF REACH OF CHILDREN

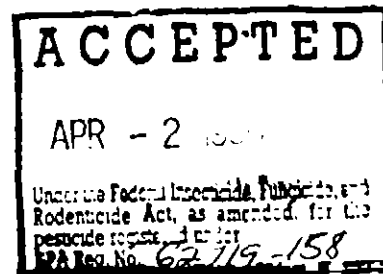
CAUTION

See back or container/side panel for additional precautionary statements.

E.P.A. Reg. No. 62719-158

E.P.A. Est. No. 00000-XX-00

DowElanco
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PRECAUTIONARY STATEMENTS

Keep Out of Reach of Children

Hazards to Humans and Domestic Animals

CAUTION

Causes eye irritation. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing dust and contact with skin, eyes or clothing. Use eye protection and protective clothing such as coveralls, a long-sleeved shirt and impermeable gloves when handling this product. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

First Aid

If in eyes: Flush eyes with plenty of water. Get medical attention if irritation develops.

If swallowed: Do not induce vomiting. Call a physician or Poison Control Center. If available, administer activated charcoal (6-8 heaping teaspoons) with a large quantity of water. Do not induce vomiting or give anything by mouth to an unconscious person. Immediately transport to a medical care facility and see a physician.

If inhaled: Remove individual to fresh air. Get medical attention if breathing difficulty occurs. If not breathing, give artificial respiration, preferably cardiopulmonary resuscitation and get medical attention immediately.

If on Skin: Wash with plenty of soap and water. Get medical attention if irritation develops.

Environmental Hazards

Do not apply directly to water or wetlands. Do not contaminate water when disposing of equipment washwaters. Cover and incorporate spills.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Read all directions carefully before applying this product.

STORAGE AND DISPOSAL

Storage: Store in original container. Protect stored product from moisture. In case of leak or spill, contain material and dispose as waste.

Pesticide Disposal: Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Completely 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.

GENERAL INFORMATION

This balanced turf fertilizer product contains SURFLAN, a selective preemergence herbicide for control of certain broadleaf weeds and most annual grasses in established southern turfgrass. This product is recommended on the following established turfgrass species:

BAHIAGRASS - BERMUDAGRASS - CENTIPEDEGRASS
ST. AUGUSTINEGRASS - TALL FESCUE - ZOYSIAGRASS

This product may be used on Home Lawns, lawns of Apartment and Condominium complexes, Cemeteries, Parks, Golf Courses, Athletic Fields, and other recreational areas.

IMPORTANT USE PRECAUTIONS

- This product does not control established weeds. Existing weeds may be controlled with postemergence herbicides.
- To insure optimal fertilizer and herbicidal response, water treated areas as soon as possible after application. A one-half (1/2) inch rain or its equivalent in sprinkler irrigation is necessary to activate Surflan.
- Surflan may injure turf that is in a weakened condition due to winter climatic conditions or is not well established. Apply only to healthy established southern turf.
- Do not apply this product in the spring and summer to tall fescue turfgrass seeded the previous fall.
- Do not apply in the spring to Bermudagrass which has been overseeded with winter annual grasses since thinning will occur.
- Do not use on newly sprigged or hydromulched areas of Bermudagrass, St. Augustinegrass, Centipedegrass or Zoysiagrass until turf is well established.
- Do not apply to bentgrass or golf course putting greens.
- Do not apply to dichondra turf.
- Any cultural practices that disturb the soil, such as aeration or verticutting.

should be done prior to application of this product.

- Do not overdose or overlap in such a way as to overdose because turf injury may occur.

RESEEDING TREATED AREAS: Delay reseeding for 90 to 120 days after application. Seeding results may be improved by increasing the seeding rate and use of precision planting equipment. Employ cultural practices optimum for seed germination and establishment.

WEEDS CONTROLLED

Summer Annual Weeds Controlled by this Product.

GRASS WEEDS	BROADLEAF WEEDS
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Barnyardgrass	Carpetweed
Crabgrass	Knotweed, prostrate
(Large crabgrass)	Purslane, common
(Smooth crabgrass)	
Crowfootgrass	
Foxtails	
(Bottlegrass)	
(Bristlegrass)	
(Giant Foxtail)	
(Green Foxtail)	
(Pigeongrass)	
(Robust Foxtail)	
(Yellow Foxtail)	
Goosegrass	
(Silver crabgrass)	
Johnsongrass (seedling only)	
Ryegrass, annual (Italian)	
Sandbur, field	

Winter Annual Weeds Controlled by this Product.

GRASS WEEDS	BROADLEAF WEEDS
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Bluegrass, annual	Chickweed, common
	Henbit

Weeds Suppressed or Partially Controlled by this Product.

Groundsel, Common
Spurge, Prostrate
Woodsorrel, Yellow

APPLICATION INSTRUCTIONS

WHEN TO APPLY

Apply only to healthy established turf 1 to 2 weeks prior to expected germination time of target weed species. Annual weeds germinate from fall through early summer with peak germination occurring in fall and after spring warm-up. For optimum control, application should be timed to occur just before periods of peak germination. If applied too early or too late, erratic weed control will result. Refer to the following APPLICATION TIMING CHART to determine ideal times for different weed germination periods.

APPLICATION TIMING CHART

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1.	//////////	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
2.	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////
3.	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////

1. Fall application to control annual bluegrass and winter annuals.
 2. Winter/early spring application to control crabgrass and other grasses and broadleaf weeds germinating in late winter and early spring.
 3. Late spring/early summer application to control goosegrass and other late germinating annual grasses and broadleaf weeds.
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ANNUAL BLUEGRASS AND WINTER ANNUAL WEED CONTROL

For Control of Annual Bluegrass (*Poa annua*) and Winter Annual Broadleaf Weeds and Grasses Which Begin to Germinate in the Fall.

APPLICATION RATES AND TIMING: Apply in late summer or early fall just prior to the expected germination period for annual bluegrass and winter annual weeds at a rate of 50 pounds per 14,500 sq ft of turf area (1.5 pounds active ingredient per acre). See No. 1 in "APPLICATION TIMING CHART" section, above.

For extended weed control or where germination is expected to occur into mid winter, a second application at a rate of 50 pounds per 14,500 sq ft can be made 8 to 10 weeks after the initial application. See section on SPLIT APPLICATIONS FOR EXTENDED WEED CONTROL.

SPRING ANNUAL WEED CONTROL

For Control of Weeds Which Germinate in Late Winter or Early Spring.

APPLICATION RATES AND TIMING: Apply from January through mid April prior to the onset of

conditions favorable for weed germination. Apply at a rate of 50 pounds per 11,000 sq ft (2.0 active ingredient per acre). See No. 2 in "APPLICATION TIMING CHART" section, above.

FOR EXTENDED WEED CONTROL: See section on SPLIT APPLICATIONS FOR EXTENDED WEED CONTROL. Use a split application where fescue is the dominant turfgrass species.

SUMMER ANNUAL WEED CONTROL

Late Spring and Early Summer Annual Weed Control in Southern Turfgrasses.

Although classified as a summer annual grass, Goosegrass normally germinates 4 to 6 weeks later than Crabgrass, Foxtails and other summer annual grass species. Certain broadleaf weeds such as Prostrate and Spotted Spurge also germinate "late". For best results in controlling late germinating summer annuals, make applications up to 4 weeks later than for early germinating summer annuals. See No. 3 in "APPLICATION TIMING CHART" section, above.

APPLICATION RATES AND TIMING: Apply in late spring or early summer to control summer annual weeds or late germinating summer annual species, respectively. Apply at a rate of 50 pounds per 11,000 sq ft of turf area (2 pounds active ingredient per acre) 1 to 2 weeks before the expected time of weed seed germination.

SPLIT APPLICATIONS FOR EXTENDED WEED CONTROL

For Control of Annual Grasses and Broadleaf Weeds Which Germinate Over an Extended Period of Time and prevention of injury to sensitive turfgrass species.

A split application 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 - 6 TO 8 MONTHS. It is specially recommended where tall fescue is the dominant turfgrass species.

APPLICATION RATES AND TIMING: Apply at a rate of 50 pounds per 14,500 sq ft of turf area (1.5 pounds active ingredient per acre). Make a second application at the same rate (50 pounds per 14,500 sq ft) 8 to 10 weeks after the initial application.

EQUIPMENT AND APPLICATION TECHNIQUES

Apply this product using a drop or rotary-type spreader designed to apply granular fertilizer. Calibrate application equipment prior to use according to equipment manufacturer's directions. Check frequently to be sure equipment is operating properly and distributing uniformly. Avoid use of spreaders that apply material in narrow concentrated bands. Avoid skips or overlaps as poor weed control or crop injury may occur. More uniform application may be achieved by spreading half of the required amount of product over the area and then applying the remaining half in swaths at right angles to the first. A splash board mounted below the release point of drop-type spreaders can improve the uniformity of product distribution.

DISCLAIMER OF WARRANTIES

DowElanco makes no warranties concerning this product or its use, which extend beyond the description on the label. All other warranties, express or implied, including but not limited to, may implied warranties of merchantability and fitness for a particular purpose, are disclaimed. All statements concerning this product apply only when used as directed. This disclaimer of warranties does not apply where prohibited by operation of law.

LIMITATION OF DAMAGES

The liability of DowElanco, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the amount of the purchase price of this product and under no circumstances shall DowElanco be liable for special, indirect or consequential damages. This limitation of damages does not apply where prohibited by operation of law.

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Revised 2/13/90