

Reg # 62719-159

PM-25

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(Container Label)

Logo - DowElanco

**Turf Fertilizer - Contains Surflan\* 0.75%**

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 the following established southern turfgrasses:

Bahiagrass  
Centipedegrass  
Tall Fescue

Bermudagrass  
St. Augustinegrass  
Zoysiagrass

**Active Ingredient:**oryzalin: 3,5-dinitro-N<sup>4</sup>,N<sup>4</sup>-dipropylsulfanilamide .....0.75%

Inert Ingredients .....99.25%

Contains 0.375 Pounds Active Ingredient Per 50 Pound Bag

**Guaranteed Fertilizer Analysis**

Total Nitrogen (N) .....18%

Available Phosphoric Acid (P<sub>2</sub>O<sub>5</sub>) .....5%Soluble Potash (K<sub>2</sub>O) .....9%**Keep Out of Reach of Children****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.)

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

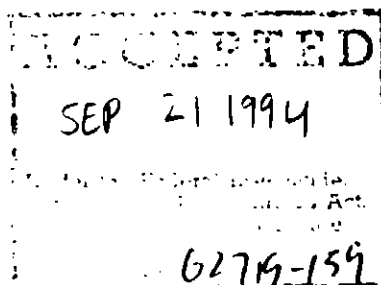
In case of emergency endangering health or the environment involving this product, call collect 000-000-0000

EPA Reg. No. 62719-159

EPA Est. No. \_\_\_\_\_

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**Herbicide****Net Weight - 50 lb**

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## Precautionary Statements

### Hazards to Humans and Domestic Animals

Keep Out of Reach of Children

### 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 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. 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.

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or 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: 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.

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## 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 southern 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 aerification 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**

#### Grass Weeds

barnyardgrass  
crabgrass  
    (large crabgrass)  
    (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

#### Broadleaf Weeds

carpetweed  
knotweed, prostrate  
purslane, common

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### Winter Annual Weeds

#### Grass Weeds

bluegrass, annual  
henbit

#### Broadleaf Weeds

chickweed, common

#### Weeds Suppressed or Partially Controlled:

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.

### 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 11,000 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 11,000 sq ft can be made 8 to 10 weeks after the initial application.

### 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 8,000 sq ft (2.0 pounds active ingredient per acre). See No. 2 in "Application Timing Chart" section above.

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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, applications may be made 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 8,000 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 11,000 sq ft of turf area (1.5 pounds active ingredient per acre). Make a second application at the same rate (50 pounds per 11,000 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.

[Editor's note: Subregistrant may insert appropriate warranty and disclaimer information.]

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