

Fertilizer with SURGE®

Broadleaf Herbicide

Not for sale, distribution or use in Nassau or Suffolk Counties in New York State.

16-0-9

- This product is a premium grade herbicide & plant nutrient combination which controls a wide spectrum of broadleaf weeds while providing both fast & long-lasting feeding action.
- Combination of 4 active ingredients enhances speed of herbicide activity.
- Superior cool season performance.
- Controls tough broadleaf weeds.

ACTIVE INGREDIENTS:	
2,4-D, 2-ethylhexyl ester	1.153%
Mecoprop-p acid	0.174%
Dicamba acid	0.073%
Sulfentrazone	0.034%
OTHER INGREDIENTS:	98.566%
TOTAL	100.000%
THIS PRODUCT CONTAINS:	
15.30 lbs. 2,4-dichlorophenoxyacetic acid equivalent per ton or 0.765%	
3.48 lbs. (+)-(R)-2-(2-methyl-4-chlorophenoxy)propionic acid equivalent per ton or 0.174%	
1.46 lbs. 3,6-dichloro-o-anisic acid equivalent per ton or 0.073%	
0.68 lbs. N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-oxo-1H-1,2,4-triazol-1-yl]phenyl]methanesulfonamide per ton or 0.034%	
CAS Registry Numbers:	
2,4-D CAS# 1928-43-4	
Mecoprop-p CAS# 16484-77-8	
Dicamba CAS# 1918-00-9	
Sulfentrazone CAS# 122836-35-5	
Isomer Specific by AOAC Methods	
EPA Reg. No. 2217-882-9198	EPA Est. No. 9198-OH-1M, 9198-OH-2B, 9198-AL-001A
Underlined letter is first letter used in run code on bag	
GUARANTEED ANALYSIS	
Total Nitrogen (N)	16.00%
16.00% Urea Nitrogen*	
Soluble Potash (K ₂ O)	9.00%
Plant nutrients derived from urea, potassium chloride and polymer coated sulfur coated urea.	
Chlorine (Cl) Max	7.60%
*4.00% Slowly available nitrogen from polymer coated sulfur coated urea.	F292

Florida Applications: We recommend that you follow the Florida Green Industries BMP's at http://www.flaes.org/pdf/BPM_Book_final.pdf

Florida Applications: We recommend that you follow the Florida Golf Course BMP's at <http://www.flaes.org/pdf/glbmp07.pdf>

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.regulatory-info-ap.com>.

KEEP OUT OF REACH OF CHILDREN

CAUTION

STOP! READ THE ENTIRE LABEL FIRST. OBSERVE ALL PRECAUTIONS AND FOLLOW DIRECTIONS CAREFULLY.

PRECAUTIONARY STATEMENTS
Hazards to Humans & Domestic Animals
CAUTION: Causes moderate eye irritation. Harmful if swallowed. Avoid contact with eyes, or clothing.

Personal Protective Equipment (PPE)
Some materials that are chemical-resistant to this product are natural rubber. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.
All loaders, applicators, and other handlers must wear:

- long-sleeved shirt and long pants,
- shoes plus socks
- chemical-resistant gloves

User Safety Requirements
Follow manufacturer's instructions for cleaning/ maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

Use Safety Recommendations	
• User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.	• User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water.
	• User should 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 eye. • Call a poison control center or doctor for treatment advice.
If swallowed:	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-877-800-5556 for emergency medical treatment information.	

ENVIRONMENTAL HAZARDS
This product is toxic to fish and aquatic invertebrates and may adversely affect non-target plants. Do not apply to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

DIRECTIONS FOR USE
It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

PRECAUTIONS AND RESTRICTIONS:
• Do not enter or allow people (or pets) to enter the treated area until dusts have settled. 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.
• Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production or for research purposes.

WHERE TO USE:
This product is a Surge® Broadleaf Herbicide, containing fertilizer, 2,4-D, mecoprop-p, dicamba and sulfentrazone. This granular weed and feed provides plant nutrients and controls a broad spectrum of broadleaf weeds in turfgrass. Supplemental nitrogen, phosphorus, and potash should be applied according to soil tests or State Extension Service recommendations.

This product is intended to be applied by noncommercial users, lawn care operators, and landscape personnel. Cool season and warm season grasses established in institutional, ornamental, and residential sites may be treated.

Institutional sites are defined as turf areas around properties or facilities providing a service to public or private organizations; for example: hospitals, nursing homes, schools, museums, libraries, sport facilities (including golf courses), and office buildings may be treated. Ornamental sites include turfgrass established around residences, parks, streets, retail outlets, cemeteries, and institutional buildings. Finally, residential sites are defined as areas associated with the household or home life including, but not limited to apartment complexes, condominiums, and patient care areas of nursing homes, mental institutions, hospitals, or convalescent homes.

This product may be applied to newly seeded cool season turfgrass. Applications are recommended only after the third mowing or after the grass seedlings have tillered and have developed an adequate secondary root system.

This product may be applied to newly established warm season turfgrass. Treatments should be delayed until 3 to 4 weeks after the sodding, sprigging, or plugging operations, and low application rates (1/2 of the recommendation for established turfgrass) are suggested.

A uniform broadcast distribution of product on the treated area is essential. Do not exceed the specified application rate for any area. Do not apply to bare ground. Do not use this product on dichondra, carpetgrass, creeping bentgrass, or turf containing desirable clovers.

California: Make broadcast applications only between March 1 and September 1. While irrigation is necessary and important for plant growth, apply irrigation water efficiently so that no more than 125% of the net irrigation requirement is applied for any irrigation event. Apply efficient irrigations for six months following application of sulfentrazone containing products.

New York: Only one application per year of this product is allowed. This product is not allowed to be sold or used in Nassau or Suffolk Counties.

HOW MUCH TO APPLY:
For Kentucky bluegrass, fescue spp., perennial ryegrass, common bermudagrass, and zoysiagrass: Apply 130-174 pounds of this product per acre of established turfgrass. Or the equivalent application rates are 3.0 - 4.0 pounds of product per 1,000 square feet of turfgrass.

For New York State only: Apply 130-166 pounds of this product per acre of established turfgrass. Or, the equivalent application rates are 3.0-3.8 pounds of product per 1,000 square feet of turfgrass.

For St. Augustinegrass, centipedegrass, hybrid bermudagrass, bentgrass, and colonial bentgrass: Apply 87-109 pounds of this product per acre of established turfgrass. Or the equivalent application rates are 2.0 - 2.5 pounds of product per 1,000 square feet of turfgrass.

Limitations on broadcast applications to ornamental turfgrass.				
Use Site	Maximum Rate per Application	Maximum Number of Applications per year	Minimum Interval Between Applications	Maximum Seasonal Rate
	174 pounds/A			348 pounds/A
Ornamental Turfgrass		2	30 Days	
Do not exceed the maximum seasonal rate of 348 pounds, per acre per season, excluding spot treatments.				

Sequential or follow-up applications may be required for dense infestations of perennial and biennial weeds. Also, adverse environmental conditions prior or after application may reduce the effectiveness. If required, the treatment interval between the first and second applications should be approximately 30 days.

Drop spreaders, rotary spreaders, and other granular equipment should be calibrated for accurate and uniform applications of this product. Calibrate the equipment by applying the product over a measured or known area and adjust the equipment according to the recommendations of the equipment manufacturer. Refer to the rate table for the appropriate bag sizes and the area to be treated.

APPLICATION DIRECTIONS:
1. Spring and fall applications are recommended for the best control. However, this product can be applied any time broadleaf weeds are present and actively growing.
2. Mow the turfgrass 1 to 2 days before application.
3. Water the turfgrass thoroughly (>1/2 inch) at least 1 to 2 days before application.
4. Schedule applications in the morning when dew is present. Or, sprinkle or irrigate lightly (<1/4 inch) before application to provide maximum control.
5. Rainfall or irrigation within 24 hours after application may reduce the effectiveness. Do not irrigate or water the turfgrass within 24 hours after application.

CALIBRATION INSTRUCTIONS:
To provide proper distribution, calibrate spreader before application.
For 2.5 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 400 square feet and adjust to apply at the rate of 1 pound of product per 400 square feet.

For 3.8 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 260 square feet and adjust to apply at the rate of 1 pound of product per 260 square feet.

For 4.0 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 250 square feet and adjust to apply at the rate of 1 pound of product per 250 square feet.

SPREADER SETTINGS					
These suggested spreader settings are not intended to replace calibration. Please calibrate your spreader before applying product. 40 lbs. treats 16,000 sq. ft. at the 109 lbs/acre - LOW RATE (2.5 lbs/1,000 sq. ft.) 40 lbs. treats 10,500 sq. ft. at the 166 lbs/acre - MEDIUM RATE (3.8 lbs/1,000 sq. ft.) 40 lbs. treats 10,000 sq. ft. at the 174 lbs/acre - HIGH RATE (4.0 lbs/1,000 sq. ft.)					
SPREADER	GROUND SPEED	WIDTH OF COVERAGE	SPREADER SETTINGS		
			LOW RATE	MEDIUM RATE	HIGH RATE
Andersons Model 2000/ AccuPro 2000; (cone 6) Andersons 2000 SR/ SR-2000 (cone 6)	3 mph	8 feet	K	L 3/4	M
Scotts R-8A (cone 6)	3 mph	8 feet	J	K 1/4	K 1/2
LESCO 020093 (.25)	3 mph	6 feet	D	E	E 1/4
LESCO 705698 (.25)	3 mph	6 feet	10	12	12 1/2
Lely Models WTR, WFR, HR, 1250 (PTO at 450 rpm)	4.5 mph	26 feet	4 II-C	5 II-C	5 1/4 II-C
Vicon (03 series)	4.5 mph	20 feet	19	24	25

DISTRIBUTION AND SPREADER PATTERNS:
Always apply with a properly calibrated rotary or drop type fertilizer spreader to distribute the granules evenly. Never apply by hand.

Coverage - To determine how much you need to apply, multiply the length of your lawn by its width. This equals your total square footage. Deduct all non-lawn areas (house, gardens, etc.). One 40 pound bag covers up to 16,000 square feet.

SINGLE PASS DISTRIBUTION:
For best results, apply this product evenly and uniformly avoiding streaking, skips or overlaps.

1. For rotary spreaders, operate at intervals corresponding to the swath width. For drop spreaders, overlap the wheel tracks to ensure complete coverage.
2. First, spread the borders of the lawn. Then apply this product to the center with straight line passes.
3. Walk at a steady pace to ensure even coverage. Close the spreader opening when turning to change directions or when stopping.

Typically a lawn will utilize 1 to 4 pounds of nitrogen per 1,000 square feet per growing season. When used as directed at the 4.0 lbs./1,000 sq. ft. rate this product will supplement your regular fertilizer program by providing 0.64 lb. of nitrogen per 1,000 square feet. Consult your local Extension office for questions regarding a fertilizer program suitable to your geographical region.

USE PRECAUTIONS:
Do not use this product on dichondra, carpetgrass, creeping bentgrass or turfgrass containing desirable clovers.
Do not apply this product to newly seeded grasses until well-established or after the third mowing.
Do not use this product on flowers, vegetables, groundcovers, gardens or landscape plantings including shrubs and trees. Do not exceed specified dosage for any area.
Do not use this product on 'Floratam' St. Augustinegrass.
Do not use this product on or near desirable plants, including within the drip line of the roots of desirable trees and shrubs, since injury may result.

WEEDS CONTROLLED:
Dandelion, chickweed, plantain, and clover are controlled effectively with this product. A partial list of susceptible weeds is shown below.

- BROADLEAF WEEDS -		
Annual yellow sweetdover	Clover, crimson	Mouseear hawkweed
Aster	Clover, hop	Mugwort
Austrian fieldcress	Clover, red	Narrowleaf plantain
Bedstraw	Clover, strawberry	Nettle
Beggaricks	Clover, sweet	Orange hawkweed
Betony, Florida	Clover, white	Oxalis
Bird vetch	Cockle	Parsley-piert
Bitter wintercress	Creeping jenny	Parsnip
Bittercress, hairy	Cudweed	Pearlwort
Bitterweed	Curly dock	Pepperweed
Black-eyed Susan	Daisy, English	Pigweed
Black medic	Daisy fleabane	Pineywoods bedstraw
Blackseed plantain	Daisy, oxeye	Plains coreopsis
Blessed thistle	Dandelion	Plantain
Bloodflower milkweed	Dichondra	Poison ivy
Blue lettuce	Dollarweed	Poison oak
Blue vervain	False dandelion	Poorjoe
Bracted plantain	Falsel fax	Prairie sunflower
Bristly oxtongue	False sunflower	Prostrate knotweed
Broadleaf dock	Florida pusley	Prostrate pigweed
Broadleaf plantain	Galinsoga	Prostrate spurge
Buckhorn plantain	Goldenrod	Puncturevine
Bulbous buttercup	Ground ivy	Purslane, common
Bull thistle	Gumweed	Ragweed
Bullnettle	Hairy fleabane	Red sorrel
Burclover	Hawkweed	Redroot pigweed
Burdock	Healall	Redstem filaree
Burning nettle	Heartleaf drymary	Rough cinquefoil
Burweed	Heath aster	Russian pigweed
Buttercup	Henbit	Scarlet pimpernel
Buttonweed	Hoary cress	Sheep sorrel
Canada thistle	Hoary plantain	Sheeperspurse
Carolina geranium	Hoary vervain	Slender plantain
Carpetweed	Knawel	Smallflower galinsoga
Catchweed bedstraw	Knotweed	Smooth dock
Catnip	Lambsquarters	Smooth pigweed
Catsear	Lespedeza	Sorrel
Chickweed, common	Mallow	Sowthistle
Chickweed, mouseear	Matchweed	Spanishneedles
Chicory	Mexicanweed	Speedwell
Cinquefoil	Milk vetch	Spiny amaranth

STORAGE & DISPOSAL
Do not contaminate water, food, or feed by storage and disposal.
PESTICIDE STORAGE: Store in original container and keep any bags containing unused product in a locked storage area inaccessible to children and domestic animals.
PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.
CONTAINER HANDLING: Nonrefillable container: Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available or 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.

LIMITED WARRANTY AND DISCLAIMER
IMPORTANT: READ BEFORE USE:
Read this Limited Warranty and Disclaimer before buying or using this product. By opening and using this product, buyer and all users agree to accept the terms of this Limited Warranty and Disclaimer in their entirety and without exception. If the terms are not acceptable, return this product unopened immediately to the point of purchase, and the purchase price will be refunded in full.

It is impossible to eliminate all risks inherently associated with use of this product. Damage to the treated article, ineffectiveness, or other unintended consequences can result from use of the product under abnormal conditions such as weather, presence of other materials, or the manner of use or application, etc. Such factors and conditions are beyond the control of the manufacturer, and BY PURCHASING AND USING THIS PRODUCT THE BUYER AND ALL USERS OF THIS PRODUCT AGREE TO ACCEPT ALL SUCH RISKS. Buyer and all users further agree to assume all risks of loss or damage from the use of the product in any manner that is not explicitly set forth in or that is inconsistent with label instructions, warnings and cautions.

The manufacturer warrants only that this product conforms to the chemical description given on the label, and that the product is reasonably suited for the labeled use when applied according to the directions for use, subject to the inherent risks described below. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY EXPRESSLY DISCLAIMED.

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TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO CASE SHALL THE MANUFACTURER BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. The Manufacturer must be promptly notified in writing of any claims, whether based in contract, tort, negligence, strict liability, or otherwise, to be eligible to receive either remedy stated above.

The terms of this Limited Warranty and Disclaimer cannot be varied by any written or verbal statements or agreements at the point of sale or elsewhere. No employee or agent of the manufacturer or seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.

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The Andersons Lawn Fertilizer Division, Inc.
P.O. Box 119
Maumee, Ohio 43537

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