

# The Andersons® Professional Turf Products

## Fertilizer with SURGE® Broadleaf Herbicide 16-0-9

<b>2,4-D MECOPROP-P DICAMBA</b>	<b>GROUP</b>	<b>4</b>	<b>HERBICIDE</b>
<b>SULFENTRAZONE</b>	<b>GROUP</b>	<b>14</b>	<b>HERBICIDE</b>

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

- **This product is a 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 lb 2,4-dichlorophenoxyacetic acid equivalent per ton or 0.765% (CAS 1928-43-4)
3.48 lb (+)-(R)-2-(2-methyl-4-chlorophenoxy)propionic acid equivalent per ton or 0.174% (CAS 16484-77-8)
1.46 lb 3,6-dichloro-o-anisic acid equivalent per ton or 0.073% (CAS 1918-00-9)
0.68 lb N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]methanesulfonamide per ton or 0.034% (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 <sub>2</sub> O) .....	9.00%

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.

**FO02091**

Information regarding the contents and levels of metals in this product is available on the internet at: <http://www.aapfco.org/metals.html>

We recommend that you follow the Florida Green Industries BMP's at: <http://www.flrules.org/Gateway/reference.aspx?No=Ref-04706>  
We recommend that you follow the Florida Golf Course BMP's at: <http://www.flrules.org/Gateway/reference.aspx?No=Ref-04702>

**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)**  
All loaders, applicators, and other handlers must wear:  
• long sleeved shirt and long pants,  
• shoes plus socks  
• waterproof 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.

**User Safety Recommendations**  
• Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.  
• Users 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.  
• Users 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	
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
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 pesticide is toxic to fish and aquatic invertebrates and may adversely affect non-target plants. Do not apply directly 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 plants, and 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.

**Non-target Organism Advisory Statement:** This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by minimizing spray drift.

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

**USE 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.
- Do not use this product on dichondra, carpetgrass, creeping bentgrass, or turf 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 'Floratum' 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.

**WEED RESISTANCE MANAGEMENT**  
For resistance management, this product contains Group 4 and Group 14 herbicides. Any weed population may contain or develop plants naturally resistant to this product and other Group 4 or Group 14 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same area. Appropriate resistance management strategies should be followed.

To delay herbicide resistance take one or more of the following steps:  
• Rotate the use of this product or other Group 4 or Group 14 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds.  
• Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or pest control advisor if you are unsure as to which active ingredient is currently less prone to resistance.  
• Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use, and that considers mechanical control methods, cultural (e.g., timing to favor the turf and not the weeds), biological (weed-competitive varieties) and other management practices.  
• Scout area prior to application to identify the weed species present and their growth stage to determine if the intended application will be effective.  
• Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: 1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; 2) a spreading patch of non-controlled plants of a particular weed species; 3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method. Prevent movement of resistant weed seeds to other areas by cleaning equipment.  
• If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.  
• Contact your local extension specialist or pest control advisor for additional pesticide resistance-management and/or integrated weed-management recommendations for specific types of turf and weed biotypes.  
• For further information or to report suspected resistance, call 877-800-5556.

**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 listed 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 turfgrasses 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. Apply 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 listed rate for established turfgrasses) 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 product 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. 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. 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. 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 turfgrasses.				
Use Site	Maximum Rate per Application	Maximum Number of Applications per year	Minimum Interval Between Applications	Maximum Annual Rate
Ornamental Turfgrass	174 pounds/A (1.35 lb 2,4-D ae/A) (0.30 lb MCPP-p ae/A) (0.13 lb dicamba ae/A) (0.06 lb sulfentrazone/A)	2	30 Days	348 pounds/A (2.66 lb 2,4-D ae/A) (0.60 lb MCPP-p ae/A) (0.25 lb dicamba ae/A) (0.12 lb sulfentrazone/A)
ae = Acid Equivalent. Do not exceed the maximum annual rate of 348 pounds (2.66 lb 2,4-D ae, 0.60 lb MCPP-p ae, 0.25 lb dicamba ae, and 0.12 lb sulfentrazone/A) 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 suitable 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.

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 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 3/4	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 (P10 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

**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.

**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 20,000 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.

A lawn typically will utilize 1 to 4 pounds of nitrogen per 1,000 square feet per growing season. When used as directed, this product will supplement your regular fertilizer program by providing 0.32 - 0.64 pounds of nitrogen per 1,000 square feet and herbicide to control listed weeds. Please consult your local extension office for questions regarding a regular fertilizer program.

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

- BROADLEAF WEEDS -			
Annual yellow sweetclover	Clover, crimson	Mouseear hawkweed	Spiny sowthistle
Aster	Clover, hop	Mugwort	Spotted catsear
Austrian fieldcress	Clover, red	Narrowleaf plantain	Spotted spurge
Bedstraw	Clover, strawberry	Nettle	Spurweed
Beggarticks	Clover, sweet	Orange hawkweed	Strawberry, India mock
Betony, Florida	Clover, white	Oxalis	Tall nettle
Bird vetch	Cockle	Parsley-piert	Tansy ragwort
Bitter wintercress	Creeping jenny	Parsnip	Tansy mustard
Bittercress, hairy	Cudweed	Pearlwort	Thistle
Bitterweed	Curly dock	Pepperweed	Trailing crownvetch
Black-eyed Susan	Daisy, English	Pigweed	Tumble mustard
Black medic	Daisy, fleabane	Pineywoods bedstraw	Tumble pigweed
Blackseed plantain	Daisy, oxeye	Plains coreopsis	Venice mallow
Blessed thistle	Dandelion	Plantain	Virginia buttonweed
Bloodflower milkweed	Dichondra	Poison ivy	Virginia pepperweed
Blue lettuce	Dollarweed	Poison oak	Wayleaf bullthistle
Blue vervain	False dandelion	Poorjoe	Western clematis
Bracted plantain	Falseflax	Prairie sunflower	Wild aster
Bristly oxtongue	False sunflower	Prostrate knotweed	Wild carrot
Broadleaf dock	Florida pusley	Prostrate pigweed	Wild four-o'-clock
Broadleaf plantain	Galinsoga	Prostrate spurge	Wild garlic
Buckhorn plantain	Goldenrod	Puncturevine	Wild geranium
Bulbous buttercup	Ground ivy	Purslane, common	Wild lettuce
Bull thistle	Gumweed	Ragweed	Wild marigold
Bullnettle	Hairy fleabane	Red sorrel	Wild onion
Burclover	Hawkweed	Redroot pigweed	Wild rape
Burdock	Healall	Redstem filaree	Wild strawberry
Burning nettle	Heartleaf drymary	Rough cinquefoil	Wild vetch
Burweed	Heath aster	Russian pigweed	Woodsorrel
Buttercup	Henbit	Scarlet pimpernel	Woolly croton
Buttonweed	Hoary cress	Sheep sorrel	Woolly plantain
Canada thistle	Hoary plantain	Sheeperspurse	Wormseed
Carolina geranium	Hoary vervain	Slender plantain	Yarrow
Carpetweed	Knawel	Smallflower galinsoga	Yellow rocket
Catchweed bedstraw	Knotweed	Smooth dock	Yellowflower pepperweed
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.

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Distributed by:  
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**SGN 150**

**Net Wt. 40 Lbs. (18.14 kg)**

**The  Professional  
Andersons® Turf Products**

**UPC:  
0 - 31865 - 30924 - 3**

**FPO**

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