

Fertilizer with SURGE[®]

Broadleaf Herbicide



Professional Turf[™] Products

16-0-9

FEATURES & USE TIPS:

- Features Surge, a proven combination of sulfentrazone, 2,4-D, MCPP and dicamba.
- 2,4-D provides broad-spectrum, post-emergent weed control, particularly on dandelions and other broadleaf weeds as listed.
- Sulfentrazone provides control of clovers.
- Dicamba provides added control of tough-to-contain weeds such as thistle and black medic.
- Contains Poly-S[®] slow release nitrogen for extended feeding.
- Labeled for use on residential turf.

PRODUCT SPECIFICATIONS:

N (16%):	Urea Nitrogen* *4.00% Slowly available nitrogen from polymer coated sulfur coated urea.
K - as K₂O (9%):	Potassium Chloride
S (1.62%)	Total Sulfur
Cl (7.6%)	Maximum Chlorine
Active Ingredients:	2,4-D (1.153%) Mecoprop-p acid (0.174%) Dicamba acid (0.073%) Sulfentrazone (0.034%)

PRODUCT CODE:

APT164SR4

Date: 031706
Supersedes: 000000
Label: C6

PRODUCT CHARACTERISTICS:

Product Type:

Combination fertilizer & SURGE[®] Herbicide

Nitrogen Type:

Poly-S[®]

Particle Size:

SGN: 150

Net Weight:

40 lbs.

Coverage:

10,000 sq. ft. @
174 lbs./A rate

Bags / Pallet:

55

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To order, contact your local Andersons Lawn Products distributor.

*For more information, contact Andersons at our website:
www.andersonslawnproducts.com
or call 1-800-225-2639.*



- 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:	100.0000%

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-5-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

SURGE® Broadleaf Herbicide is a registered trademark of PBI/Gordon Corporation.

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%
Total Sulfur (S)	1.62%
1.62% Free Sulfur (S)	

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

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. When using this product, wear long-sleeved shirt, long pants, socks and shoes. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

FIRST AID	
If in eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 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	<ul style="list-style-type: none"> • 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 1-877-900-5556 for emergency medical treatment information.	

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters.

When cleaning equipment, do not pour the washwater on the ground; spray or drain over a large area away from wells and other water sources.

Most cases of groundwater contamination involving phenoxy herbicides such as MCPP-p and 2,4-D have been associated with mixing/loading and disposal sites. Caution should be exercised when handling MCPP-p and 2,4-D pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

DIRECTIONS FOR USE

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

Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until dust has settled.

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.

PESTICIDE STORAGE: Store in original container and keep any bags containing unused product in a locked storage area inaccessible to children and domestic animals.

PRODUCT DISPOSAL: Pesticide wastes are toxic. Improper use of excess pesticide, spray mixture, or rinsate is a violation of Federal law and may contaminate groundwater. 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 DISPOSAL: For Paper Bags, Plastic Bags, and nonrefillable Bulk Bags - 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 away from smoke.

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 recommendation.

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 of 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 the treated area is essential. Do not exceed the specified application rate for any area and use care in the application of this product within the drip-line of trees, shrubs, and other ornamentals.

Do not use this product on dichondria, carpetgrass, creeping bentgrass, or turf containing desirable clovers.

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 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.

The maximum application rate to turf is 1.4 pounds 2,4-D acid equivalent per acre per application per site. The maximum number of broadcast applications per treatment site is 2 per year.

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 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 SUGGESTIONS:

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.

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 on dichondra, carpetgrass or turfgrass when desirable clovers are present. 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 'Floritam' St. Augustinegrass.

WEEDS CONTROLLED

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

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



IMPORTANT: READ BEFORE USE:

Read the entire Directions for Use and the Warranty Disclaimer and Limitation of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or Buyer accepts the following Warranty Disclaimer and Limitation of Liability:

WARRANTY DISCLAIMER and LIMITATION of LIABILITY:

Manufacturer 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. Manufacturer makes NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Where permissible, it is Manufacturer's intent to LIMIT ANY LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES to refund of purchase price or replacement of product, at Buyer's choice. Manufacturer DISCLAIMS ANY LIABILITY FOR COMPENSATORY OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS. Use contrary to label directions is not permitted.

LEGAL RIGHTS:

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS; YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE/JURISDICTION TO STATE/JURISDICTION.

SPREADER SETTINGS

These suggested spreader setting 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 1.56 lbs. ai/Acre	MEDIUM RATE 2.38 lbs. ai/Acre	HIGH RATE 2.5 lbs. ai/Acre
Andersons AccuPro 1000	3 mph	8 feet	I 1/2	J 3/4	K
Andersons AccuPro 2000, SR-2000 (cone 6)	3 mph	8 feet	I 1/2	J 3/4	K
Scotts R-8A (cone 6)	3 mph	8 feet	I	J 1/4	J 1/2
Lely Models WTR, WFR, HR, 1250 (PTO at 450 rpm)	4.5 mph	26 feet	3 1/4 II-C	4 1/2 II-C	4 3/4 II-C
Vicon (03 Series)	4.5 mph	30 feet	19	24	25

This is a specimen label and may be inaccurate or out of date. It is intended as a guide in providing general information regarding use of this product. Always read and follow the label on the product container.

APT164SR4

Product of USA

Distributed by:

The Andersons Lawn Fertilizer Division, Inc.
P. O. Box 119, Maumee, OH 43537
1-800-225-2639

Visit us on the web at: www.andersonsinc.com