



# Fertilizer plus Surge®\* Broadleaf Herbicide

<b>Active Ingredients:</b>	
2,4-D, 2-ethylhexyl ester .....	1.153%
Mecoprop-p acid .....	0.174%
Dicamba acid .....	0.073%
Sulfentrazone .....	0.034%
<b>Inert Ingredients</b> .....	<b>98.566%</b>
<b>Total</b> .....	<b>100.000%</b>

<b>This Product Contains:</b>	<b>CAS Registry Numbers:</b>
15.30 lbs. 2,4-dichlorophenoxyacetic acid equivalent per ton or 0.765%	2,4-D CAS# 1928-43-4
3.48 lbs. (+)(R)-2-(2-methyl-4-chlorophenoxy)propionic acid equivalent per ton or 0.174%	Mecoprop-p CAS# 16484-77-8
1.46 lbs. 3,6-dichloro-o-anisic acid equivalent per ton or 0.073%	Dicamba CAS#1918-00-9
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%	Sulfentrazone CAS #122836-35-5

Isomer Specific by AOAC Methods  
 \*SURGE® is a registered trademark of PBI/Gordon Corporation.  
 EPA Reg. No. 2217-882-41124 EPA Est. No. 41124-WI-1

## KEEP OUT OF REACH OF CHILDREN CAUTION



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, and chewing gum, or using tobacco.

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.</li> <li>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 1-877-900-5556 for emergency medical treatment advice.	

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 washwater. 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 and 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 area 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

# 20-0-5

**GUARANTEED ANALYSIS**

Total Nitrogen (N).....	20.00%
20.00% Urea Nitrogen*	
Soluble Potash (K <sub>2</sub> O).....	5.00%
Sulfur (S).....	2.30%
Derived from: Muriate of Potash, Urea, and Poly Coated Sulfur Coated Urea.	
*5.00% Slowly Available Urea Nitrogen from Sulfur Coated Urea	

### STORAGE & 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.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal 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 Non-refillable 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 out of smoke.

### WHERE TO USE:

Spring Valley Fertilizer plus Surge® Broadleaf Herbicide is a fertilizer containing, 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.

Spring Valley Fertilizer plus Surge® Broadleaf Herbicide 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.

Spring Valley Fertilizer plus Surge® Broadleaf Herbicide 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.

Spring Valley Fertilizer plus Surge® Broadleaf Herbicide 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 and use care in the application of this product within the dripline of trees, shrubs, and other ornamentals.

Do not use this product on dichondra, 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 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.

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 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 SUGGESTIONS:

- 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.
- Mow the turfgrass 1 to 2 days before application.
- Water the turfgrass thoroughly (>1/2 inch) at least 1 to 2 days before application.
- Schedule applications in the morning when dew is present. Or, sprinkle or irrigate lightly (<1/4 inch) before application to provide maximum control.
- 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 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 50 pound bag covers up to 12,500 square feet.

Size	Desired rate per 1,000 Sq. Ft.	Treated Area for This Bag Size Sq. Ft.
50 lb.	4.0 lbs.	12,500

### SINGLE PASS DISTRIBUTION:

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

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

### Fertilizer Labeling Requirements by Association of American Plant Food Control Officials (AAPFCO):

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

### USE PRECAUTIONS:

Do not use on dichondra, carpetgrass or turfgrass where 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.

Terms and Conditions of Use
<b>If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitations of Remedies.</b>

Warranty Disclaimer
Seller 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, subject to the inherent risks set forth below. Seller MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use
It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of the Seller. All such risks shall be assumed by buyer.

Limitation of Remedies
The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Seller's election, one of the following: <ol style="list-style-type: none"> <li>Refund of purchase price paid by buyer or user for product bought, or</li> <li>Replacement of amount of product used</li> </ol>
Seller shall not be liable for losses or damages resulting from handling or use of this product unless Seller is promptly notified of such loss or damage in writing. In no case shall Seller be liable for consequential or incidental damages or losses.
The terms of the Warranty Disclaimer and Inherent Risks of Use above and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Seller or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

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

and other broadleaf weeds

Distributed By:  
**Vogel Seed & Fertilizer, Inc. – Jackson, WI 53037**

# NET WEIGHT: 50 lbs. / 22.7 kg.

Item No. 2078450 031006