

9198-242

4.30.2008

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

APR 30 2008

Ms. Dawn Walters  
The Andersons Lawn Fertilizer Division, Inc.  
d/b/a Free Flow Fertilizer  
P.O. Box 119  
Maumee, OH 43537

Subject: Label Notifications for Pesticide Registration Notice 2007-4

Dear Ms. Walters,

The Agency is in receipt of your Applications for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 dated March 5, 2008 and of the updated labels received April 3, 2008 for the following products:

The Andersons Dimension Herbicide I	EPA Registration Number 9198-118
The Andersons Dimension Herbicide II	EPA Registration Number 9198-120
The Andersons Fertilizer w/0.125% Dithiopyr Herbicide	EPA Registration Number 9198-242

The Registration Division (RD) has conducted its review of these requests for their applicability under PRN 2007-4 and finds that the label changes requested fall within the scope of PRN 2007-4. The labels submitted with the application have been stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

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If you have any questions, please call me directly at 703-305-6249 or Steve Schaible of my staff at 703-308-9362.

Sincerely,



Linda Arrington  
Notifications & Minor Formulations Team Leader  
Registration Division (7505P)  
Office of Pesticide Programs

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Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060, Approval expires 2-28-95



United States  
Environmental Protection Agency  
Washington, DC 20480

Registration  
 Amendment  
 Other

OPP Identifier Number

### Application for Pesticide - Section I

1. Company/Product Number 9198-242	2. EPA Product Manager Kraft	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) The Andersons Fertilizer with 0.125% Dithiopyr Herbicide	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) The Andersons Lawn Fertilizer Division, Inc. d/b/a Free Flow Fertilizer PO Box 119 Maumee, OH 43537 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

### Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

Notification of Label change per PR Notice 2007-4.

This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR 156.10, 156.140, 156.144, 156.146, 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR 156.10, 156.140, 156.144, 156.146, 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

### Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container	<input checked="" type="checkbox"/> Glass
* Certification must be submitted			Other (Specify) _____		
3. Location of Net Contents Information <input type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 50-2,000 lbs.		5. Location of Label Directions <input type="checkbox"/> _____ <input checked="" type="checkbox"/> On Label	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input checked="" type="checkbox"/> Other Pocket _____		

### Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Dawn L. Walters	Title Regulatory Administrator	Telephone No. (Include Area Code) 419-897-6790
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received <b>(Stamped)</b>
2. Signature <i>Dawn L. Walters</i>	3. Title Regulatory Administrator	
4. Typed Name Dawn L. Walters	5. Date 4/3/08	



## THE ANDERSONS FERTILIZER WITH 0.125% DITHIOPYR HERBICIDE

For fertilization and season-long control of crabgrass and control or suppression of listed annual grasses and broadleaf weeds in established lawns and ornamental turfs, including golf course fairways, roughs, tee boxes and greens, and in ornamental landscape areas.

### Optional marketing:

- This product provides control of crabgrass and control or suppression of listed annual grasses and broadleaf weeds in established lawns and ornamental turfs
- Provides preemergence control of crabgrass and other listed annual grasses and broadleaf weeds in established lawns and ornamental turfs
- This product is a herbicide that provides control of listed annual grasses and broadleaf weeds in established lawns and ornamental turfs
- A herbicide that provides control of listed annual grasses and broadleaf weeds in turf
- Provides preemergent control of crabgrass and other listed annual grasses and broadleaf weeds
- This product may be used on seeded, sodded or sprigged lawns and ornamental turfs that are well-established.
- Also provides "early postemergence" control of crabgrass if applied prior to the 3-leaf stage of growth or first tiller as described on label.
- Provides early postemergent crabgrass control in limited conditions
- Dithiopyr also has early postemergence activity on crabgrass
- Can also provide "early postemergence" control of crabgrass during the early stages of crabgrass growth
- Designed for use on golf course putting greens and tees
- Specially designed and labeled for use on greens
- Multiple application rates to accommodate specific uses and timing
- Consistently sized particles reduce segregation potential
- Small particle formulation more particles per square inch for better herbicide distribution [coverage]
- Small particle formulation more particles per square inch for better weed control
- Premium sized particles for more particles per square inch
- Contains DGPro® dispersible carrier
- Utilizes DGPro® dispersible carrier
- Formulated on patented DGPro® dispersible carrier
- SGN 150
- SGN 200
- Contains {brand name} Nitrogen
- Contains {brand name} coated slow release nitrogen
- Contains iron for deep greening
- Utilizes both potassium chloride and potassium sulfate to build turf tolerance
- Low fertilizer analysis allows for flexible application timing
- Low nitrogen formula
- Low nitrogen, high potassium formula
- Nitrogen content includes XX% {brand name} [polymer coated sulfur coated urea] for [slow release] nitrogen feeding
- Contains polymer coated sulfur coated urea for extended [nitrogen] feeding
- XX% of total Nitrogen derived from {brand name}
- Contains {brand name} polymer coated sulfur coated urea as the slow release nitrogen source
- Utilizes potassium sulfate as the potassium source

### Guaranteed Analysis

Total Nitrogen (N) .....	X%
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	X%
Soluble Potash (K <sub>2</sub> O) .....	X%
Plant Nutrients Derived From:	

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For products being sold into states with requirement for fertilizers:  
Information regarding the contents and levels of metals in this product is available on the internet at  
<http://www.regulatory-info-ap-com/>

**ACTIVE INGREDIENT:**

Dithiopyr (CAS No. 97886-46-8) ..... 0.125%

**INERT INGREDIENTS**..... 99.875%

TOTAL..... 100.000%

EPA Reg. No. 9198-242  
EPA Est. No.

Net Weight XX lbs. (XX kg)  
Covers up to XX,XXX Sq. Ft.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Causes eye irritation. Harmful if inhaled. Avoid contact with eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact while handling this material may cause allergic reaction in some individuals.

**FIRST AID**

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contacts, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-757-8951 for emergency medical treatment information.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. Drift and runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites. 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 apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwaters.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. Read the entire label before using this product. Use only according to label instructions.

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

New York Use Restrictions: In New York State this product may only be used by professional applicators and at no more than 9.2 pounds per 1,000 square feet (0.5 pound active ingredient per acre) per year; and is prohibited from use in Nassau and Suffolk Counties.

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### TURF USE

This fertilizer product contains a herbicide which provides season-long control of crabgrass and control or suppression of other annual grasses and broadleaf weeds in established lawns and ornamental turfs, including golf course fairways, roughs, tee boxes and greens. This product will not harm nearby established ornamentals when used according to label directions.

### Use Precautions for Turf

This product may be used on seeded, sodded, or sprigged lawns and ornamental turfs that are well-established. The grass must have developed a good root system and a uniform stand, and have received at least two mowings following its seeding, sodding, or sprigging before it can receive its first application of this product. Use of this product on lawns and ornamental turfs that are not well-established, or on those that have been weakened by weather-, pest-, disease-, chemical-, or mechanical-related stress, may increase the chances for turf injury.

This product should only be applied to turfgrass species listed on this label. The following turfgrass species are tolerant to this product when used as directed.

### Cool-Season Grasses

Bentgrass, creeping <sup>†</sup>	<i>Agrostis palustris</i>
Bluegrass, Kentucky	<i>Poa pratensis</i>
Fescue, fine <sup>††</sup>	<i>Festuca rubra</i>
Fescue, tall	<i>Festuca arundinacea</i>
Ryegrass, perennial	<i>Lolium perenne</i>

### Warm-Season Grasses

Bahiagrass	<i>Paspalum notatum</i>
Bermudagrass	<i>Cynodon dactylon</i>
Buffalograss <sup>†††</sup>	<i>Buchloe dactyloides</i>
Carpetgrass	<i>Axonopus affinis</i>
Centipedegrass	<i>Eremochloa ophiuroides</i>
Kikuyugrass	<i>Pennisetum clandestinum</i>
St. Augustinegrass	<i>Stenotaphrum secundatum</i>
Zoysiagrass	<i>Zoysia japonica</i>

<sup>†</sup> Use of this product on certain varieties of creeping bentgrass, such as 'Cohansey', 'Carmen', 'Seaside', and 'Washington' may result in undesirable turfgrass injury. Not all varieties of creeping bentgrass have been tested. **DO NOT** apply this product to Colonial bentgrass (*Agrostis tenuis*) varieties.

<sup>††</sup> Use of this product on certain varieties of fine fescue may result in undesirable turf injury. The following fine fescue varieties have been found to be sensitive to this product: 'Atlanta', 'Banner', 'Beauty', 'Bilgart', 'CF-2', 'Enjoy', 'HF-93', 'Highlight', 'Ivalo', 'Jamestown', 'Koket', 'Majenta', 'Mary', 'Pennlawn', 'Tamara', 'Tatjana', 'Waldorf', and 'Waldina'. Not all varieties of fine fescue have been tested.

<sup>†††</sup> **DO NOT** use this product on seedling buffalograss in the spring of the first year of establishment until the turfgrass is fully green and has established new roots.

NOTE: It is not possible to evaluate all the turfgrass varieties for tolerance to this product. It is recommended that use of this product be made on a trial basis initially to determine its safety under local use conditions and turf management practices before making widespread use.

### Precautions for Reseeding, Overseeding or Sprigging

Reseeding, overseeding, or sprigging of treated areas within 10 weeks after a single application of this product or within 16 weeks after a split application program totaling 9.2 lbs./1,000 sq. ft. (0.5 lb. active

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ingredient per acre) or more may inhibit the establishment of desirable turfgrasses. When reseeding or overseeding, proper cultural practices such as soil cultivation, irrigation and fertilization should be followed. For best overseeding results, use mechanical or power seeding equipment (slit seeders) designed to give good seed to soil contact.

**Precautions for Golf Course Putting Greens**

Putting greens should be well-drained and managed to promote the development of deep rooting systems. The use of this product on greens without good root development may result in undesirable turfgrass injury.

For golf courses which practice overseeding putting greens consisting of seasonal turfgrasses, application of this product to overseeded greens should be made within four weeks or less before the desired transition period from the overseeded turfgrass(es) back to the established "base" turfgrass.

Avoid application of this product to golf course putting greens that are under stress.

Undesirable thinning, yellow and rapid decline of established *Poa annua* may occur under stress conditions. DO NOT use this product on greens that have desirable *Poa annua* cover where summer heat and/or other stresses to *Poa annua* can occur and loss of some or all of that *Poa annua* cover is unacceptable. Use this product where the goal is to control and/or eliminate some or all of the *Poa annua* and where this loss can be tolerated.

Use of this product on 'Tifgreen' (328) hybrid bermudagrass greens may result in injury. Prior to use, test on a small section of turf.

DO NOT apply this product less than 60 days before covering greens for winter protection.

**Precautions for Control of Crabgrass**

The early postemergence crabgrass control described below is limited. Postemergence applications are only effective on crabgrass if applied prior to the 3-leaf stage of growth or first tiller. For best results, cultural practices that disturb the soil, such as core-, spike-, or hydro-aerification, and verticutting, should be done before application of this product. DO NOT apply this product until the grass has recovered from these cultural practices.

**Other Use Precautions**

Do not use clippings from treated turf for mulching around vegetables or fruit trees. Keep people and pets off treated areas until dust has settled. Do not graze livestock or feed forage cut from areas treated with this product.

**APPLICATION DIRECTIONS FOR TURF**

**Tips For Improved Control**

For best results, apply this product within a few days after mowing and delay mowing again for a few days after the application. Improved performance may be achieved if application is followed by 1/2 inch of rainfall or irrigation. Erratic weed control may result if rainfall or irrigation is not received within 30 days after application. Use of split (half-rate) applications spaced 5-10 weeks apart may provide improved weed control.

**Maximum Use Rates for Turfgrass**

Do not apply more than 9.2 lbs./1,000 sq.ft. per application and no more than 27.6 lbs./1,000 per year. In New York State this product may only be used by professional applicators and at no more than 9.2 pounds per 1,000 square feet (0.5 pound active ingredient per acre) per year; and is prohibited from use in Nassau and Suffolk Counties.

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## **CONTROL OF CRABGRASS**

### **Preemergence and Early Postemergence Control**

This product provides "preemergence" control of crabgrass (including the large, smooth, and southern species) when applied prior to the emergence of crabgrass from the ground in established lawns and ornamental turfs.

It can also provide "early postemergence" control of crabgrass during the early stages of crabgrass growth if applied prior to the 3-leaf stage of growth or first tiller. This stage of growth generally corresponds to the time when you can first easily see the crabgrass plants in the lawn or turf. Thus, the practical benefit of this product's additional, early postemergence activity is that (compared to strictly preemergence crabgrass products) it can give the user a 2-4 week longer period of time to make applications and still control crabgrass.

### **Application Frequency and Timing**

This product may be applied as a single application, as a split application, or as a sequential application for crabgrass control in the spring, summer, or fall, as described below.

#### **Spring Applications**

For single applications made in the spring or early summer, this product should be applied at the appropriate rate corresponding to one of the control programs listed in Table 1. The specific rate will be dependent on the user's location, the turfgrass mowing height, and whether the use is considered to be preemergence or early postemergence at the time of the application. The duration of residual weed control provided by this product is directly related to the total rate applied, but will vary somewhat depending on weather, weed pressure, turfgrass competitiveness, and the user's location within a region.

Use Program 1 for preemergence control at sites where the turfgrass is cut high (e.g., homeowner lawns). This program provides 3-5 months of preemergence crabgrass control. This program should not be used for early postemergence crabgrass control.

Use Program 2 for preemergence control at sites where (a) turfgrass is cut low (e.g., golf fairways), and (b) turfgrass maintenance or weed control has been conducted during the previous year. This program provides 4-6 months of preemergence crabgrass control. This program may also be used for early postemergence crabgrass control up to the 3-leaf stage or first tiller at sites where turfgrass is cut high (e.g., homeowner lawns).

Use Program 3 for preemergence control at sites where (a) turfgrass is cut low (e.g., golf fairways) and (b) turf maintenance or weed control has not been conducted during the previous year. This program provides 4-6 months of preemergence crabgrass control. This program may also be used for early postemergence crabgrass control up to the 3-leaf stage or first tiller at sites where turfgrass is cut low (e.g., golf fairways).

Subsequent, sequential pre- and/or postemergence applications should be made where longer periods of control are desired.

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**Table 1: Recommended Application Use Rates**

Region	Application Rates	Program 1	Program 2	Program 3	Program 4 Golf Course Putting Green Mowing Height less than 1/4 inch <sup>†</sup>
All states (except NY)	lb./acre	152	200	304	200
	lb./1,000 sq. ft.	3.5	4.6	7.0	4.6
	lb.ai/acre	0.19	0.25	0.38	0.25
Transition	lb./acre	200	304	400	200
	lb./1,000 sq. ft.	4.6	7.0	9.2	4.6
	lb.ai/acre	0.25	0.38	0.5	0.25
South	lb./acre	304	200 + 200	248 + 248	200 + 200
	lb./1,000 sq. ft.	7.0	4.6 + 4.6 <sup>†</sup>	5.7 + 5.7 <sup>†</sup>	4.6 + 4.6 <sup>†</sup>
	lb.ai/acre	0.38	0.25 + 0.25	0.31 + 0.31	0.25 + 0.25
Coastal South	lb./acre	200 + 200	248 + 248	304 + 304	304 + 200 + 200
	lb./1,000 sq. ft.	4.6 + 4.6 <sup>†</sup>	5.7 + 5.7 <sup>†</sup>	7.0 + 7.0 <sup>†</sup>	7.0 + 4.6 + 4.6 <sup>†</sup>
	lb.ai/acre	0.25 + 0.25	0.31 + 0.31	0.38 + 0.38	0.38 + 0.25 + 0.25
West	lb./acre	152 + 200	200 + 304	200 + 200	200
	lb./1,000 sq. ft.	3.5 + 4.6	4.6 + 7.0	4.6 + 4.6 <sup>†</sup>	4.6
	lb.ai/acre	0.19 + 0.25	0.25 + 0.38	0.25 + 0.25	0.25

<sup>†</sup>May require split or sequential applications for full control. Split applications may be made 5-10 weeks apart.

Regions include areas listed below:

- All States: All states, except NY, and parts of states not included in transition, south, coastal south or west.
- Transition: DE, KS, KY, MD, MO, NJ, VA, southeastern PA, southern areas of IL, IN, OH, coastal areas of CT, NY & RI
- South: AL, AR, GA, LA, MS, NC, NM, OK, SC, TN, & TX
- Coastal South: HI, FL, & southern coastal areas of AL, GA, LA, MS, NC, SC, & TX
- West: AZ, CA & NV. In this climatically diverse region, use the higher rates in local areas with longer crabgrass seasons.

Adjust your fertilization program to account for the fertilizer applied as part of this product.

**Split or Sequential Applications**

Split or sequential applications may improve weed control or provide extended weed control in areas with long growing seasons. Where split fertilizer applications are recommended, the rates in Table 1 may be split across two applications made 5-10 weeks apart and prior to crabgrass emergence. Where longer periods of control are needed, sequential applications may be made in the late summer or fall following a spring application or in the spring following a fall application. Do not exceed the "Maximum Use Rates" section and rate restrictions for the state of New York.

**Fall Applications**

This product can also be applied in the late summer or early fall (late August through November) at the "Program 3" use rates listed in Table 1 to provide control of crabgrass through the early part of the next spring. The fall application should be followed by an appropriate spring application to provide season-long control of crabgrass.

**CONTROL OF OTHER WEED GRASSES AND BROADLEAF WEEDS**

**Spring Applications.** Used as directed for crabgrass control in the spring, this product will also control (at the "Program 3" rates) or suppress (at the "Program 2" rates) the following weeds when applied prior to their emergence:

**Grasses**

Barley	<i>Hordeum</i> spp.
Barnyardgrass	<i>Echinochloa crus-galli</i>
Bluegrass, annual	<i>Poa annua</i>
Brome	<i>Bromus</i> spp.
Crabgrass, large	<i>Digitaria sanguinalis</i>
Crabgrass, smooth	<i>Digitaria ischaemum</i>
Crabgrass, Southern	<i>Digitaria ciliaris</i>
Crowfootgrass	<i>Dactyloctenium aegyptium</i>
Dallisgrass (seedling)	<i>Paspalum dilatatum</i>
Goosegrass	<i>Eleusine indica</i>
Foxtail, green	<i>Setaria verdi</i>
Foxtail, yellow	<i>Setaria faberi</i>
Kikuyugrass <sup>†</sup>	<i>Pennisetum clandestinum</i>
Oats, wild	<i>Avena fatua</i>
Ryegrass (annual & perennial)	<i>Lolium</i> spp.
Sandbur	<i>Cenchrus</i> spp.
Smutgrass	<i>Sporobolus indicus</i>

**Broadleaf Weeds**

Bittercress <sup>†</sup>	<i>Cardamine</i> spp.
Carpetweed	<i>Mollugo verticillata</i>
Chickweed <sup>†</sup>	<i>Stellaria</i> spp.
Geranium, Carolina <sup>†</sup>	<i>Ceranium carolinianum</i>
Henbit	<i>Lamium</i> spp.
Knotweed, prostrate	<i>Polygonum aviculare</i>
Lespedeza, common <sup>†</sup>	<i>Lespedeza striata</i>
Marestail	<i>Conyza canadensis</i>
Medic, black	<i>Medicago lupulina</i>
Mustard	<i>Brassica</i> spp.
Oxalis, buttercup	<i>Oxalis pes-caprae</i>
Pinneappleweed <sup>†</sup>	<i>Matricaria matricarioides</i>
Pigweed, redroot	<i>Amaranthus retroflexus</i>
Parsley-piert <sup>†</sup>	<i>Alchemilla arvensis</i>
Purslane, common	<i>Portulaca oleracea</i>
Rocket, London	<i>Sisymbrium irio</i>
Shepherdspurse	<i>Capsella bursa-pastoris</i>
Speedwell, corn <sup>†</sup>	<i>Veronica arvensis</i>
Spurge, garden	<i>Eurphorbia hirta</i>
Spurge, prostrate	<i>Euphorbia humistrata</i>
Spruge, spotted	<i>Euphorbia corniculata</i>
Woodsorrel, creeping	<i>Oxalis corniculata</i>
Woodsorrel, yellow	<i>Oxalis stricta</i>

<sup>†</sup>Suppression only

**Fall Applications.** Used as directed for preemergence crabgrass control in late summer or early fall, this product will also control (at the "Program 3" rates) or suppress (at the "Program 2" rates) the following weeds when applied prior to their emergence:

Bluegrass, annual	<i>Poa annua</i>
Bittercress	<i>Cardamine</i> spp.
Chickweed	<i>Stellaria</i> spp.
Henbit	<i>Lamium</i> spp.
Geranium, Carolina	<i>Ceranium carolinianum</i>
Parsley-piert	<i>Alchemilla arvensis</i>
Pineappleweed	<i>Matricaria matricarioides</i>
Shepherdspurse	<i>Capsella bursa-pastoris</i>

**APPLICATION EQUIPMENT AND INSTRUCTIONS**

Apply this product with drop or rotary-type spreaders designed to apply granular herbicides. Avoid the use of spreaders that would apply this product in narrow rows or concentrated bands. Before each application, calibrate the spreader according to the equipment manufacturer's directions for adjusting the spreader settings such that the spreader delivers the appropriate application rate recommended above. Apply this product uniformly over the lawn or ornamental turf area. Avoid streaking, skips, or overlaps during application. Check equipment frequently to ensure equipment is functioning properly and applying uniform distribution of granules.

Recent research has shown that well-maintained turf is an effective environmental buffer that prevents pollutants from entering our natural water bodies. To help protect these natural resources, please avoid applying product to sidewalks, driveways, roadways, and other impervious surfaces which are adjacent to storm drains. Sweep any misplaced granules back onto the area you are treating immediately after application, since storm drains often empty directly to nearby waterways.

<b>Suggested Spreader Settings</b>						
These suggested spreader settings are not intended to replace calibration. Please calibrate your spreader before applying product.						
XX lbs. treats X,XXX sq. ft. at the 152 lbs. product/acre - LIGHT RATE (3.5 lbs./1,000 sq. ft. rate)						
XX lbs. treats X,XXX sq. ft. at the 200 lbs. product/acre - LOW RATE (4.6 lbs./1,000 sq. ft. rate)						
XX lbs. treats X,XXX sq. ft. at the 304 lbs. product/acre - MEDIUM RATE (7.0 lbs./1,000 sq. ft. rate)						
XX lbs. treats X,XXX sq. ft. at the 400 lbs. product/acre - HIGH RATE ( 9.2 lbs./1,000 sq. ft. rate)						
SPREADER	GROUND SPEED	WIDTH OF COVERAGE	SPREADER SETTINGS			
			LIGHT 0.19 lbs. ai/A	LOW 0.25 lbs. ai/A	MEDIUM 0.38 lbs. ai/A	HIGH 0.50 lbs. ai/A
aa	X mph	XX ft/	X	X	X	X
bb	X mph	XX ft	X	X	X	X
cc	X mph	XX ft	X	X	X	X

Note.: This list of spreaders and settings will vary dependent on market availability of spreaders. (this note will not appear on final label)

These spreader settings were established using standard equipment available from the spreader manufacturer at swath widths and speeds typically used within the industry. It is recommended that all spreader equipment be calibrated at the time of application to achieve the desired application rate.

**Essential Plant Nutrient Table**

Application Rate # product/1,000 sq. ft.	# N/1,000 sq. ft.	# P <sub>2</sub> O <sub>5</sub> /1,000 sq. ft.	# K <sub>2</sub> O/1,000 sq. ft.	# {Micronutrient} /1,000 sq. ft.
3.5	X	X	X	X
4.6	X	X	X	X
7.0	X	X	X	X
9.2	X	X	X	X

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*Note: To be completed at final label printing, shows the rates of nutrients per unit area treated at the various rates of application*

The plant nutrients in this product are provided for extra value as guaranteed and described in the fertilizer information section above. Due to the variety of plantings, cultural practices, weather and other factors, the user must determine the suitability of the use of this product at the rate used for each specific situation.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage and disposal. PESTICIDE STORAGE: Keep container closed and away from food, feedstuffs, and domestic water supplies. PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, 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 DISPOSAL: Completely empty bag into application equipment. Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. If not available, then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State or local authorities, by burning. If burned, stay out of smoke.

**APPLICATION DIRECTIONS FOR LANDSCAPE ORNAMENTALS**

This product provides fertilization and preemergence control or suppression of listed annual grass and broadleaf weeds in plantings and landscape ornamentals. It may be applied to soil surfaces where ornamental plants are grown for aesthetic purposes in ornamental gardens, parks, golf courses and residential properties. Apply this product with a properly calibrated spreader which will assure accurate, even particle distribution.

Ornamental plants on this label have shown tolerance to this product when applied as directed. It is impossible, however, to evaluate tolerance for all ornamental plant species or varieties or under all possible growing conditions. Under your growing conditions, a limited area involving only a few plants should be treated for tolerance evaluation prior to large-scale applications.

**Use Rates**

This product may be applied as a single application or as a split application. Split or sequential applications may improve weed control or provide extended weed control in areas with long growing seasons. Where split applications are recommended, divide the rate in the following table into separate applications made 5-10 weeks apart and prior to crabgrass emergence. Where longer periods of control are needed, sequential applications may be made in the late summer or fall following a spring application or in the spring following a fall application. Do not exceed the "Maximum Use Rates" section and rate restrictions for the state of New York. Refer to the following table for product recommendations when treating a small area.

Lbs. of Product/Acre	Lbs. of Product/1,000 sq. ft.	Lbs. of Product/100 sq. ft.
400	9.2	0.92

**Maximum Use Rates**

Do not apply more than 9.2 lbs./1,000 sq.ft. per application and no more than 27.6 lbs./1,000 per year. In New York State this product may only be used by professional applicators and at no more than 9.2 pounds per 1,000 square feet (0.5 pound active ingredient per acre) per year; and is prohibited from use in Nassau and Suffolk Counties.

**Application Timing and Recommendations**

This product is a preemergence herbicide that will not control established weeds. Make applications to mulched areas or bare ground prior to weed seed germination. The best weed control is obtained when applied to soil that is free of clods, weeds and debris such as leaves. Prior to making an application, control existing vegetation by hand weeding, cultivation or with a postemergence herbicide.

**Tips for Improved Control**

Improved performance may be achieved if application is followed by ½ inch of rainfall or irrigation. Erratic weed control may result if rainfall or irrigation is not received within 30 days after application. Once an application of this product has been made, do not disturb the soil surface as the herbicide barrier will be broken.

**Use Precautions**

- Only apply this product to established ornamentals.
- Do not apply this product directly to bare root of ornamental plants as injury may result.
- Do not incorporate this product into soil. Dilution of active ingredient and possible injury to plant roots may occur.
- Do not apply to soil around ornamental plants that are under stress due to drought, flooding, excessive fertilizer or soil salts, wind injury, hail, frost damage, winter injury, injury from previously applied pesticides or injury due to insects, nematodes or disease.
- To avoid foliar damage to ornamentals, irrigate immediately after application to remove herbicide particles from the foliage.
- Do not apply under conditions that would affect product distribution. Wind could affect distribution and move product onto sensitive species. Uneven product distribution will result in uneven weed control.
- Do not apply this product on grasses grown for seed.
- Do not graze livestock or feed forage cut from areas treated with this product.

**Tolerant Ornamentals**

When applied as directed under the conditions described on this label, ornamentals listed below have shown tolerance in field trials. However, this product has not been tested on all cultivars of each species or under all possible growing conditions. Follow directions given above to determine plant tolerance under your growing conditions prior to large scale use.

COMMON NAME	BOTANICAL NAME	TOLERANT CULTIVARS
Abelia, Dwarf	<i>Abelia X Grandiflora</i>	Nana
Ajuga	<i>Ajuga reptans</i> <i>Ajunga genevensis</i>	Bronze Bronze Beauty
Almond, Flowering	<i>Prunus glandulosa</i>	
Apple*	<i>Malus pumila</i>	
Arbovitae	<i>Thuja occidentalis</i>	Nigra Pyramidalis Smaragh Techny Woodwardii
Arborvitae, Golden	<i>Thuja orientalis</i>	
Aster, Chinese	<i>Callistephus chinensis</i>	Dwarf Queen
Ash, Green	<i>Fraxinus pennsylvanica</i>	
Ash, Mountain	<i>Sorbus acucparia</i>	
Ash, Purple	<i>Fraxinus americana</i>	
Azalea	<i>Rhododendron spp.</i>	Brillant Buccaneer Carror Chimes (Belgian) Exbury Fashion Hardijzer Beauty Hershey Red

		Higasa Hinocrimson Holland (Hybrid) Marion Lee Northern Lights Orange Cup Orchid Lights Snow Southern Charm
Azalea, Flame	<i>Rhododendron calendulaceum</i>	
Azalea, Kirishima		
Bamboo, Heavenly		
Barberry	<i>Berberis thunbergii</i>	Aurea Dwarf Pigmy Green Kobold Pygmy Red Rose Glow
Barberry, Purple		Atropurpurea
Bearberry (common)	<i>Arctostaphylos uva-ursi</i>	Massachusetts
Birch, River	<i>Betula nigra</i>	
Blueberry*	<i>Vaccinium spp.</i>	Bluecorp Blue Jay Jersey North Blue Northland
Bottlebrush	<i>Callistemon citrinum</i>	
Boxwood, Japanese		Japonica
Boxwood, Weller	<i>Buxus sempervirens</i>	
Broom	<i>Cytisus spp.</i>	Moonlight
Broom	<i>Genista pilosa</i>	Vancouver Gold
Bugle Carpet		
Carex, Variegated	<i>Carex</i>	
Camellia	<i>Camellia japonica</i>  <i>Camellia sasangua</i>	Debutante Mathotiana Supreme Chansonette
Cedar, Red	<i>Juniperus virginiana</i>	
Cockscomb, Plumosa	<i>Celosia cristata</i>	Red Kewpie
Coleus	<i>Coleus blumei</i>	
Copper leaf	<i>Acalypha wilkesiana</i>	
Cotoneaster	<i>Cotonester apiculatus</i>	
Cycads	<i>Cycads revoluta</i>	
Coyotebrush	<i>Baccharis pelularis</i>	
Cypress, Bald	<i>Taxodium distichum</i>	
Cypress, Italian	<i>Cupressus sempervirens</i>	Glauca
Cypress, Leyland	<i>Cupressocyparis leylandii</i>	
Cypress, Japanese False	<i>Chamaecyparis obtusa</i>	Gracilis
Daffodil	<i>Narcissus spp.</i>	King Alfred
Daylilly	<i>Hemerocallis spp.</i>	Aztec Gold Bright Yellow (Hybrid) Single Gold (Evergreen) Wilson's Yellow

Dogwood	<i>Cornus florida</i>	
Dogwood, American	<i>Cornus sericea</i>	
Douglas Fir	<i>Pseudotsuga menziesii</i>	
Dusty Miller	<i>Senecio cineraria</i>	
Elm, Drake	<i>Ulmus parvifolia</i>	
Euonymus	<i>Euonymus fortunei</i>	Argenteo-variegata Auereo-marginata Colorata Emerald Gaiety Emerald 'N Gold Gold Edge Gold Princess Silver King Tricolor Vegetus
Fan Palm, European	<i>Chamaerops humilis</i>	
Fan Palm, Mexican	<i>Washingtonia robusta</i>	
Fescue	<i>Festuca glauca</i>	
Fetterbush	<i>Leucothoe fontiana</i>	Rainbox
Ficus	<i>Ficus retusa</i>	Nitidia
Forsythia	<i>Forsythia X intermedia</i>  <i>Spring Glory</i>	Arnold Dwarf Bronxensis Dwarf Lynwood Gold Meadowlark Weeping
Fir Fraser	<i>Abies fraseri</i>	
Gardenia	<i>Gardenia jasminoides</i>	Mystery Radicans
Geranium	<i>Pelargonium X hortorum</i>	
Gum	<i>Eucalyptus citriodora</i>	
Hawthorn	<i>Crataegus spp.</i>	Cockspur White Crimson Cloud Enchantress Jack Evans Washington White
Heather, Twisted	<i>Erica cinerea</i>	Mediterranean Pink
Hibiscus	<i>Hibiscus spp.</i>	Brilliant Hula Girl Blue Bird
Hemlock, Canada	<i>Tsuga canadensis</i>	
Holly	<i>Ilex spp.</i>  <i>Ilex X meserveae</i>         <i>Ilex X attenuata</i>	Blue Boy Blue Girl Burfodii China Girl Ciompacta Forsteri Hellerie Japanese Northern Beauty Needlepoint Nellie R. Stevens Savanah
Holly, Chinese	<i>Ilex cornuta</i>	

Holly, Japanese	<i>Ilex crenata</i>	
Holly, Yaupon	<i>Ilex vomitoria</i>	
Honeysuckle	<i>Lonicera japonica</i>	Clavey's Dwarf Halliana Tatarian Canadian White Zebelli Red Hosta
Hosta	<i>Hosta spp.</i> <i>Hosta lancifolia</i>	Algo Marginata
Ice Plant	<i>Carpobrotus edulis</i>	
Impatiens	<i>Impatiens wallerana</i>	
Iris	<i>Iris spp.</i>	Wedgewood Dwarf blue
Ivy, English	<i>Hedera helix</i>	Bulgaria Thorndale
Jasmine, Asian	<i>Trachelopermum asiaticum</i>	
Juniper	<i>Juniperus spp.</i>	Arcadia Armstrong Bar Harbor
	<i>Juniperus horizontalis</i>	Blue Chip Blue Pacific Blue Rug
	<i>Juniperus horizontalis</i>	Blue Star Broadmoor Buffalo Calgary Carpet Emerald Sea Emerald Spreader Endora Compacta Fuitlandi Green Gold Tip Hetzi Hughes Manhattan Blue Parsoni Pfitzeriana Plumosa Prince of Wales Procumbens Dwarf San Jose Sargent Blude Sargent Green Scandia Scopulorum Moonglow Scopulorum Skyrocket Spartan
	<i>Juniperus chinensis</i>	Tamariscifolia
	<i>Juniperus sabina</i>	Weberi Youngstown Yukon Belle
King Palm	<i>Archontophoenix cunninghamiana</i>	
Laurel, Australian	<i>Pittosporum tobira</i>	
Laurel, Mountain	<i>Kalmia latifolia</i>	

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Leucothoe	<i>Leucothoe fontanesiana</i>	
Lily, African	<i>Agapanthus africanus</i>	Albus Peter Pan
Lily, African Blue		
Lily of the Valley	<i>Pieris japonica</i>	Mt. Fire
Lilyturf	<i>Liriope muscari</i>	Evergreen Giant Lilac Beauty Majestic Monroe White Variegata
Ligustrum, Japanese	<i>Ligustrum japonicum</i>	
Liriope, Green	<i>Liriope spicata</i>	
Maple, Japanese	<i>Acer japonicum</i>	
Maple, Norway	<i>Acer platanoides</i>	
Maple, Red	<i>Acer rubrum</i>	
Maple, Siviler	<i>Acer saccharinum</i>	
Maple, Sugar	<i>Acer saccharum</i>	
Marigold	<i>Tagetes patula</i>	Honeycomb Wheeler's Dwarf Variegata
Mock Orange*	<i>Philadelphus spp</i>	Golden Snowflake Double White
Mondo Grass	<i>Ophiopogon japonicus</i>	
Moss Rose	<i>Portulaca grandiflora</i>	Sunnyside
Myrtle, Crape	<i>Lagerstoemia indica</i>	Faurei Langer Muskogee Standard Pink
Myrtle, Wax	<i>Myrica cerifer</i>	
Nadina	<i>Nadina domestica</i>	Compacta Nana
Oleander	<i>Nerium oleander</i>	Hardy Red Petite Pink Sister Agnes
Oak, Laurel	<i>Quercus laurifolia</i>	
Oak, Pin	<i>Quercus palustris</i>	
Oak, Red	<i>Quercus rubra</i>	
Oak, Southern L	<i>Quercus virginiana</i>	
Oak, Willow	<i>Quercus phellos</i>	
Oteospermum	<i>Osteospermum fruticosum</i>	Wirligig
Palm, Bangalow		
Pampas Grass	<i>Cortadaria selloana</i>	
Paper Flower	<i>Bougainvillea glabra</i>	Barbara Karst
Pachysandra	<i>Pachysandra terminalis</i>	
Peach*	<i>Prunus persica</i>	
Periwinkle, Dwarf	<i>Vinca minor</i>	
Petunia	<i>Petunia X hybrida</i>	Picoti
Photinia, Red Tip	<i>Photinia X fraseri</i>	
Pieris	<i>Pieris japonica</i>	
Pine, Australian	<i>Pinus nigra</i>	
Pine, Japanese Black	<i>Pinus thumbergiana</i>	
Pine, Loblolly	<i>Pinus teada</i>	

Pine, Longleaf	<i>Pinus palustris</i>	
Pine, Mugho	<i>Pinus mugho</i>	
Pine, Scotch	<i>Pinus sylvestris</i>	
Pine, Slash	<i>Pinus eliottii</i>	
Pine, Swiss Mt.	<i>Pinus mugo</i>	
Pine, Virginia	<i>Pinus virginiana</i>	
Pine, White	<i>Pinus strobus</i>	
Pineapple, Guava	<i>Feijoa fellowaiana</i>	
Pittosporum, Japan		
Potentilla	<i>Potentilla fruticosa</i>	Abbotswood
Privet	<i>Ligustrum japonicum</i>	Golden Vicary Regal Texanum Yellow Tipped Wax
Privet, Glossy	<i>Ligustrum lucidum</i>	
Pyracantha	<i>Pyracantha koidzumii</i>	
Queen Pam	<i>Arecastrum rammanzoffianum</i>	
Quince, Japanese*		
Rhododendron	<i>Rhododendron spp</i>	Album Cunningham White Fashion Hardy PJM Purple Gem Silvery Pink
Rhododendron, Carolina	<i>Rhododendron carolinianum</i>	
Rhododendron, Catawba	<i>Rhododendron catawbiense</i>	
Rodie Max (Rosebay)	<i>Rhododendron maximum</i>	
Rose	<i>Rosa banksiaae</i>	Luta
Rosemary*	<i>Rosmarinum officinalis</i>	
Rosemary, Bog	<i>Andromeda polifolia</i>	Nana
Salvia	<i>Salvia farinacea</i>	Rhea
Sedum	<i>Sedum spurium</i>	Dragon Blood Red Red Carpet Yellow
Spiraea	<i>Astilbe X arendsii</i>	Fanall
Spiraea	<i>Spiraea spp.</i>	Anthony Waterer Red Dolchica Froebeli Pink Goldenflame Red Snowmound White Van Houttee White
Spiraea, Garland	<i>Spiraea spp.</i>	
Spruce, Black Hills	<i>Picea glauca</i>	
Spruce, Colorado Hlue	<i>Picea pungens</i>	
Spruce, Norway	<i>Picea abies</i>	
Spruce, White	<i>Picea glauca</i>	
Sourwood	<i>Oxydendrum arboreum</i>	
Sweetflag, Grassyy-Le		
Sweetgum	<i>Liquidambar styraciflua</i>	
Sycamore	<i>Platanus occidentalis</i>	

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Tree Fern (Tiki Fern)	<i>Asparagus virgatus</i>	
Trumpet Flower, Evening	<i>Gelsemium sempervirens</i>	
Tulip	<i>Tulip, spp</i>	Apeldoorn
Verbena, Shrub	<i>Lantana sellowiana</i>	
Vervain	<i>Verbena spp.</i>	St. Paul
Viburnum	<i>Viburnum spp.</i>	American Cranberry Bush Arrowwood Common Snowball European Cranberry Bush Linden Mohican Wright
Windmill Palm	<i>Trachycarpus fortunei</i>	
Xylosma	<i>Xylosma congestum</i>	
Yaupon	<i>Ilex vomitoria</i>	Dwarf
Yew	<i>Taxus cuspidata</i> <i>Taxus X media</i>	Denisiformis

\*Ornamental species only: DO NOT USE ON FOOD PRODUCING TREES AND ORNAMENTALS

**Weeds Controlled**

When used as directed, this product will control or suppress the annual grass and broadleaf weeds when applied prior to their emergence. Refer to the "Application Directions for Turf" section for a listing of weeds which this product will control or suppress. This product will not control established grasses except for crabgrass in early stages of development, and broadleaf weeds, therefore, the area to be treated should be free of weeds prior to application.

**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. To the extent consistent with applicable law, 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. To the extent consistent with applicable law, 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.

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

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The Andersons, Lawn Fertilizer Division d/b/a Free Flow Fertilizer  
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