

9198-120

5-8-2003

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Ms. Dawn L. Walters  
The Andersons Lawn Fert. Div. d/ba Free Flow Fert.  
P.O. Box 119  
Maumee, OH 43537

MAY - 8 2003

Dear Ms Walters:

Subject: The Andersons Dimension® Herbicide IV  
EPA Registration No. 9198-117  
The Andersons Dimension® Herbicide I  
EPA Registration No. 9198-118  
The Andersons Dimension® Herbicide II  
EPA Registration No. 9198-120  
The Andersons Dimension® Herbicide III  
EPA Registration No. 9198-121  
Applications and Letters Dated April 11, 2003, Request to Amend Registrations of  
Subject Pesticide Products as Described in Letter and as Presented in High Lighted  
Copies of the Proposed Labels

The subject applications have been reviewed and found to be acceptable amendments under the Federal Insecticide, Fungicide and Rodenticide Act, as amended; provided that you:

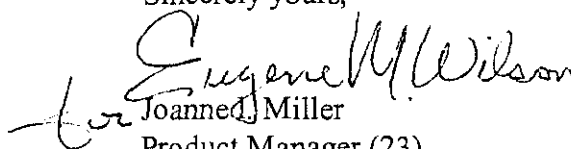
1. Correct the name of each of the proposed labels to reflect the name of record, i.e., the name reflected in the subject line of this letter.
2. Correct the common error in reference to the name of product that occurs on three of the proposed "Home Owner Use Only" labels, see page 4, under the heading:  
*Application Directions*.
3. The descriptors "selective" and "Non-Staining" occur in the front panel claims of the proposed labeling submitted. Please remove these words where ever they occur in the proposed labeling because they could be misleading to the using public. Such misleading claims are unacceptable under the Code of Federal Regulations 40:156.10(5).
4. Replace the name "grassy weeds" with "weed grasses listed on this label" where ever it is used as a name for a group of pests. It appears on the "homeowner use only" labeling for "The Andersons Dimension® Herbicide I and The Andersons Dimension ® Herbicide II".

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5. Submit one (1) copy each of the final printed labels prior to your shipment under the enclosed revised stamped labels.

If these conditions are not complied with, these registrations will be subject to cancellation in accordance with FIFRA, section 6(e). Your release for shipment under any of these labels constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

Sincerely yours,

  
for Joanne Miller  
Product Manager (23)  
Herbicide Branch  
Registration Division (7505C)

Enclosures (8 Stamped Labels)

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(FRONT PANEL)  
COMMERCIAL USE ONLY  
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## THE ANDERSONS DITHIOPYR HERBICIDE II

This product is a selective herbicide that provides control of listed annual grasses and broadleaf weeds in established lawns and ornamental turfs.

### ACTIVE INGREDIENTS:

Dithiopyr, 3,5-pyridinedicarbothioic acid, 2-(difluoromethyl)-4-(2-methylpropyl)  
-6-(trifluoromethyl)-S,S- dimethyl ester..... 0.103%

INERT INGREDIENTS..... 99.897%

TOTAL..... 100.00%

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

NET WEIGHT \_\_\_\_ LBS.

EPA Reg. No. 9198-120

EPA Est. No. 9198-OH-1

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

MAY - 8 2003

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

9198-120

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(BACK PANEL)  
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NET WEIGHT \_\_\_\_\_ LBS.

## The Andersons Dithiopyr Herbicide II

### GUARANTEED ANALYSIS

Total Nitrogen (N).....	16%
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ).....	4%
Soluble Potash (K <sub>2</sub> O).....	4%
Primary Plant Food derived from: Urea, Muriate of Potash, Ammoniated Phosphates.	

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### KEEP OUT OF REACH OF CHILDREN

#### CAUTION

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.
If swallowed	Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
If on skin or clothing	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. 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.

(BACK PANEL)  
COMMERCIAL USE ONLY*(The above is for internal use only and will not appear on the final label copy)***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 11.0 pounds per 1000 square feet (equal to 0.5 pound active ingredient per acre) per year; and is prohibited from use in Nassau and Suffolk Counties.

**GENERAL INFORMATION**

This product is a selective herbicide that provides control of crabgrass and other annual grasses and broadleaf weeds in established lawns and ornamental turfs, including golf course fairways, roughs, and tee boxes and greens. This product will not harm nearby established ornamentals when used according to label directions.

**USE PRECAUTIONS****TURFGRASS SAFETY**

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 lawns and ornamental turfs that are composed of the following turfgrass species that have been determined to be tolerant to applications of this product. When applied as directed under the conditions described, the following established turfgrasses are tolerant to this product:

**Cool-Season Grasses**

Bentgrass, creeping\*  
    *Agrostis palustris*  
Bluegrass, Kentucky  
    *Poa pratensis*  
Fescue, fine leaf  
    *Festuca rubra*  
Fescue, tall  
    *Festuca arundinacea*  
Ryegrass, perennial  
    *Lolium perenne*

**Warm-Season Grasses**

Bahiagrass  
    *Paspalum notatum*  
Bermudagrass  
    *Cynodon dactylon*  
Buffalograss\*\*\*  
    *Buchloe dactyloides*  
Carpetgrass  
    *Axonopus affinis*  
Centipedegrass  
    *Eremochloa ophiuroides*

Kikuyugrass  
    *Pennisetum clandestinum*  
St. Augustinegrass  
    *Stenotaphrum secundatum*  
Zoysiagrass  
    *Zoysia japonica*

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\* 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.

\*\*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.

\*\*\*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 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.

#### **RESEEDING, OVERSEEDING, OR SPRIGGING**

Reseeding, overseeding, or sprigging of treated areas within 4 months after application of this product 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 results, use mechanical or power seeding equipment (slit seeders) designed to give good seed to soil contact.

#### **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.

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## OTHER USE PRECAUTIONS

The early postemergence crabgrass control described below is limited. Postemergence applications are only effective on crabgrass if applied before crabgrass has displayed its fifth leaf 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.

Apply this product directly to established lawns or ornamental turfs only. DO NOT apply to flowers, vegetables, shrubs, or trees.

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.

## APPLICATION DIRECTIONS

**Table 1: Recommended Application Use Rates\***  
(lbs of this product/1000 sq. ft.)

PROGRAM	1	2	3	4
USE (turfgrass cut)	Preemergence (high)	Preemergence (low)  Postemergence (high)	Preemergence (low)  Postemergence (low)	Golf Course Putting Green Mowing Height less than 1/4 inch**
REGION				
North	2.8	4	5.5	5.5
Transition	4	5.5	8.4	5.5
South	5.5	8.4	11**	5.5 + 5.5
Coastal South	8.4	11**	11**	8.4 + 5.5 + 5.5

\*DO NOT apply more than 11 lbs. per application, and no more than 33 lbs. per year. Postemergence control is limited; see "Crabgrass Control" and "Precautions" sections above. Regions include areas listed below.

North: All other areas.

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, AZ, CA, GA, LA, MS, NC, NM, NV, OK, SC, TN, & TX.

Coastal South: HI, FL, & southern coastal areas of AL, GA, LA, MS, NC, SC, & TX.

\*\*May require split or sequential applications for full control.

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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 after the crabgrass has emerged from the ground. However, it is often difficult to see the very small, early stages of crabgrass in well-established lawns and ornamental turfs. Postemergence crabgrass control will be obtained only when this product is applied prior to the tillering of crabgrass, which generally

corresponds to the time when you can first easily see the crabgrass plants in the lawn or turf. So 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.

DO NOT apply more than 11 lbs. per 1000 sq. ft. per application, and no more than 33 lbs. per 1000 sq. ft. per year.

### **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 three control programs listed in Table 1 below, depending 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 control 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 control at sites where turfgrass is cut low (e.g., golf fairways).



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

Where split fertilizer applications are recommended, the rates in Table 1 may be split across two applications made 6-10 weeks apart and prior to crabgrass emergence.

**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.

**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.

When treated lawn or ornamental turf areas are watered or receive significant rainfall within a few days after application of this product, improved weed control may result.

Use of split (half-rate) applications spaced 6-8 weeks apart may provide improved weed control.

**CONTROL OF OTHER GRASS 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:

barnyardgrass	lespedeza (common)
bluegrass (annual, roughstalk)	oxalis (buttercup, creeping & yellow woodsorrel)
crowfootgrass	
foxtail (yellow & green)*	purslane (common)
kikuyugrass	speedwell (corn)
ryegrass (annual & perennial)	spurge (prostrate & spotted)
smutgrass	goosegrass

\*Also controlled at the Program 2 rates.

**Fall Applications.** Used as directed for late summer or early fall use, for crabgrass control through the early part of the next 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:

bluegrass (annual)-Poa annua	geranium (Carolina)
bittercress	parsley-piert
chickweed	pineappleweed
henbit	shepherdspurse

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## 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. A more uniform application can be made by spreading half of the required amount over the area and then applying the remaining half at a right angle to the previous direction. Avoid streaking, skips, or overlaps during application. Check equipment frequently to ensure equipment is functioning properly and applying uniform distribution of granules.

Suggested Spreader Settings  
(Available at final printing)

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal. **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. 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.

## GENERAL INFORMATION - LANDSCAPE ORNAMENTALS

This product provides preemergence control of listed annual grass and broadleaf weeds in landscape ornamentals. It may be applied to soil surfaces where ornamental plants are grown for aesthetic purposes in ornamental gardens, and residential properties.

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

Apply this product with a properly calibrated spreader which will assure accurate, even particle distribution. This product may be applied as a single application or as a split application. Refer to the following table for product recommendations when treating a small area.

DO NOT apply more than 11 pounds per 1,000 square feet per application and no more than 33 pounds (11 pounds in New York) per 1,000 square feet per year. Do not apply in Nassau and Suffolk Counties of New York.

Pounds of Product  
per 1,000 square feet  
11

Ounces of Product  
per 100 Square Feet  
17.6

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**APPLICATION TIMING AND RECOMMENDATIONS**

This product is a preemergence herbicide that will not control established weeds. Make applications prior to weed seed germination or to bare ground. 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. Once an application of this product has been made, do not disturb the soil surface as the herbicide barrier will be broken.

**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 condition. 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>Ajuga 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
Arbovitae, Golden	<i>Thuja orientalis</i>	
Aster, Chinese	<i>Callistephus chinensis</i>	Dwarf Queen
Ash, Green	<i>Fraxinus pennsylvanica</i>	
Ash, Mountain	<i>Sorbus aucuparia</i>	
Ash, Purple	<i>Fraxinus americana</i>	
Azalea	<i>Rhododendron spp.</i>	Brilliant Buccaneer Carror Chimes (Belgian)

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		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>Cotoneaster apiculatus</i>	
Cycads	<i>Cycads revoluta</i>	
Coyotebrush	<i>Baccharis pelularis</i>	
Cypress, Bald	<i>Taxodium distichum</i>	

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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
Daylily	<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>	Blue Boy

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	<i>Ilex X meserveae</i>	Blue Girl Burfordii China Girl Ciompacta Forsteri Hellerie Japanese Northern Beauty Needlepoint Nellie R. Stevens Savanah
	<i>Ilex X attenuata</i>	
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

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		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>	
Leucothoe	<i>Leucothoe fontanesiana</i>	
Lily, Africian	<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, Sivler	<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
Mopndo Grass	<i>Ophiopogon japonicus</i>	
Moss Rose	<i>Portulaca grandiflora</i>	Sunnyside
Myrtle, Grape	<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

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		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>	
Osteospermum	<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>	



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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 Blue	<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>	
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 Arrowood 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 following annual grass and broadleaf weeds when applied prior to their emergence. 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.

(BACK PANEL)  
COMMERCIAL USE ONLY*(The above is for internal use only and will not appear on the final label copy)***GRASSES**

barley (*Hordeum* spp.)  
barnyardgrass (*Echinochloa crus-galli*)  
bluegrass, annual (*Poa annua*)  
brome (*Bromus* spp.)  
crabgrass, large (*Digitaria sanguinalis*)  
crabgrass, smooth (*Digitaria ischaemum*)  
crabgrass, Southern (*Digitaria ciliaris*)  
crowfootgrass (*Dactyloctenium aegyptium*)  
dallisgrass (seedling) (*Paspalum dilatatum*)  
goosegrass (*Eleusine indica*)  
foxtail, green (*Setaria verdi*)  
foxtail, yellow (*Setaria faberi*)  
kikuyugrass (*Pennisetum clandestinum*)  
oats, wild (*Avena fatua*)  
ryegrass (annual & perennial) (*Lolium* spp.)  
smutgrass (*Sporobolus poireti*)

**BROADLEAF WEEDS**

bittercress (*Cardamine* spp.)  
carpetweed (*Mollugo verticillata*)  
chickweed (*Stellaria* spp.)  
geranium, Carolina (*Geranium carolinianum*)  
henbit (*Lamium* spp.)  
knotweed, prostrate (*Polygonum saviculare*)  
lespedeza, common (*Lespedeza striata*)  
maretail (*Hippuris vulgaris*)  
medic, black (*Medicago lupulina*)  
mustard (*Brassica* spp.)  
oxalis, buttercup (*Oxalis pes-caprae*)  
pineappleweed (*Matricaria matricarioides*)  
pigweed, redroot (*Amaranthus retroflexus*)  
parsley-piert (*Alchemilla avrensis*)  
purslane, common (*Portulaca oleracea*)  
rocker, London (*Sisymbrium irio*)  
shepherdspurse (*Capsella bursa-pastoris*)  
speedwell, corn (*Veronica arvensis*)  
spurge, garden (*Euphorbia hirta*)  
spurge, prostrate (*Euphorbia humistrata*)  
spurge, spotted (*Euphorbia maculata*)  
woodsorrel, creeping (*Oxalis corniculata*)  
woodsorrel, yellow (*Oxalis stricta*)

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**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.

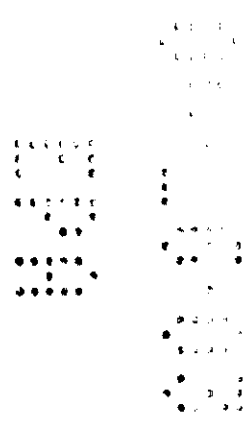
**LEGAL RIGHTS:**

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

Manufactured by:  
The Andersons, Lawn Fertilizer Division d/b/a Free Flow Fertilizer  
P.O. Box 119  
Maumee, OH 43537

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Date Printed	4/10/03
Date Approved	5/26/98
Supersedes	5/26/98
Label Changes	Amendment – first aid, storage
Filename	9198-120c
Label Code	RVamd041003



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9198-120H  
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(FRONT PANEL)  
HOMEOWNER USE ONLY  
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## The Andersons Dithiopyr Herbicide II

- A Selective Herbicide Plus Fertilizer Combination Product that Provides Control of Crabgrass and Other Weeds in Established Lawns and Ornamental Turfgrasses.
- Premium Granular Fertilizer that Feeds Your Lawn - Providing The Nutrients Needed for A Beautiful, Green and Vigorous Lawn.
- Contains Dimension® Herbicide - A Herbicide for Crabgrass Control! Non-Staining!
- Can Be Applied Up to 4 Weeks Later Than Other Crabgrass Preventers and Controls Crabgrass All Season Long.
- Controls Crabgrass & grassy weeds before & crabgrass after\* they germinate  
\*see back panel
- Prevents Spurge & Oxalis
- Clean & easy to apply – no yellow stains on clothing, walks or driveways
- This product is a selective herbicide that provides control of listed annual grasses and broadleaf weeds in established lawns and ornamental turfs.
- 100% satisfaction or your money back! Unconditional guarantee {optional for subregistrant}

### ACTIVE INGREDIENTS:

\*Dithiopyr, 3,5-pyridinedicarbothioic acid, 2-(difluoromethyl)-4-(2-methylpropyl)  
-6-(trifluoromethyl)-S,S- dimethyl ester..... 0.103%

INERT INGREDIENTS..... 99.897%  
TOTAL..... 100.000%

® Dimension is a registered trademark of Dow AgroSciences LLC

KEEP OUT OF REACH OF CHILDREN

### CAUTION

SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

NET WEIGHT \_\_\_\_\_ LBS.  
Covers {over} X,XXX square feet

EPA Reg. No. 9198-120  
EPA Est. No. 9198-OH-1M, 9198-OH-2B, 9198-AL-001A  
Underlined letter is first letter used in run code on bag

**ACCEPTED**  
**with COMMENTS**  
**In EPA Letter Dated**  
**MAY - 8 2003**  
**Under the Federal Insecticide,**  
**Fungicide, and Rodenticide Act**  
**as amended, for the pesticide**  
**registered under EPA Reg. No.**  
**9198-120**

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NET WEIGHT \_\_\_\_\_ LBS.

## The Andersons Dithiopyr Herbicide II

### GUARANTEED ANALYSIS

Total Nitrogen (N).....	16%
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ).....	4%
Soluble Potash (K <sub>2</sub> O).....	4%

Primary Plant Food derived from: Urea, Muriate of Potash, Ammoniated Phosphates.

### Optional fertilizer information:

XX% Nitrogen – Gives your lawn a deep green color. Stimulates plant growth and greens lawns quicker

XX% Phosphate – Promotes normal root development. Strong, vigorous roots are essential for absorbing water and plant nutrients

XX% Potash – Potash helps improve your lawn's hardiness to protect against disease and tolerate drought.

Information regarding the contents and levels of metals in this product is available on the internet at

<http://www.wa.gov/agr/>

When applied as directed, this product meets the minimum standards for non-nutritive metals established by the Association of American Plant Food Control Officials.

For information on this product or other premium quality {brand name} product, please call us at 1-800-231-4595.

### PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

KEEP OUT OF REACH OF CHILDREN

#### CAUTION

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.
If swallowed	Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
If on skin or clothing	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. 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.	

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## 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. 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.

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: Do not apply more than 5.6 pounds of this product per 1,000 square feet of turfgrass area per year. Do not make more than one application per year.

Use only according to label instructions.

## GENERAL INFORMATION

This product is a combination product that provides both crabgrass control and the required nutrients for optimum turfgrass growth all in a single product.

This product contains Dimension, a crabgrass preventer that can be applied up to 4 weeks later than other crabgrass preventers and provide up to 4 months control of crabgrass and other grass and broadleaf weeds prior to their establishment in lawns and ornamental turfgrasses. This product should be applied to lawns and ornamental turfgrasses that are well established (See "Use Precautions" section below for a list of the tolerant turfgrasses). This product will not harm nearby established ornamentals when used according to label directions.

## USE PRECAUTIONS

This product should only be applied to lawns and ornamental turfgrasses that are well established. Use of this product on lawns and ornamental turfgrasses that are not well established, or have been weakened by stress due to mechanical operations, pests, excessive temperatures, or lack of moisture may increase the chances for turfgrass injury.

### The Andersons Dithiopyr Herbicide

can be applied to the following turfgrasses when applied as directed:

#### Cool-Season Turfgrasses

- Creeping Bentgrass
- Fine Fescues
- Kentucky Bluegrass
- Perennial Ryegrass
- Tall Fescues

#### Warm-Season Turfgrasses

- Bahiagrass
- Bermudagrass
- Buffalograss
- Carpetgrass
- Centipedegrass
- St. Augustinegrass
- Zoysiagrass

This product should be applied in the spring or fall prior to the weed seed germination in established lawns and ornamental turfgrasses.

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This product can be applied up to 4 weeks later than other crabgrass preventers and still provide season-long weed control of crabgrass. Dimension herbicide provides preemergence control of crabgrass and other weeds when applied prior to their germination, and it also provides postemergence control of crabgrass. The postemergence control provided by this product is limited to crabgrass only and will provide control of crabgrass when applied up to 4 weeks after crabgrass germination. Application of this product later than 4 weeks after crabgrass germination will result in reduced control of crabgrass.

For control of other grass and broadleaf weeds, this product must be applied as a preemergent treatment. Only crabgrass can be controlled with delayed applications after germination.

**Tips for Improved Weed Control:** For best results, apply this product within a few days after mowing and delay further mowings after the application of this product until the lawn or ornamental turfgrass has been watered or received significant rainfall to dissolve the fertilizer granules. Improved weed control may be observed when treated lawn or ornamental turfgrass is watered or receives rainfall within a few days after application of this product.

**Reseeding, Overseeding, or Sprigging** of turfgrasses into areas that have been previously treated with this product should be delayed until 16 weeks after application. Reseeding, overseeding, or sprigging upto 16 weeks after application may prevent the establishment of the newly reseeded, overseeded or sprigged turfgrasses.

•DO NOT apply more than 11 pounds of this product per 1,000 square feet of turfgrass area during the year (1,000 square feet area = 100 feet x 10 feet).

•DO NOT apply to flowers, vegetables, or fruit trees.

•DO NOT use clippings from treated turf for mulching around flowers, vegetables or fruit trees.

•Keep people and pets off treated areas until dust has settled.

## APPLICATION DIRECTIONS

The Andersons Dithiopyr Herbicide IV will provide control of crabgrass and other grasses and broadleaf weeds listed below when applied prior to weed seed germination in established lawns and ornamental turfgrasses.

Weeds Controlled and/or Suppressed by The Andersons Dithiopyr Herbicide

### Grass Weeds:

Annual Bluegrass  
Annual Ryegrass  
Barnyardgrass  
Crabgrass  
Crowfootgrass  
Goosegrass

Green Foxtail  
Kikuyugrass (seedling)  
Perennial Ryegrass  
Smutgrass (seedling)  
Yellow Foxtail

### Broadleaf Weeds:

Bittercress  
Buttercup Oxalis  
Carolina Geranium  
Chickweed  
Common Lespedeza  
Common Purslane  
Corn Speedwell

Creeping Oxalis  
Henbit  
Parsley-piert  
Pineappleweed  
Spotted Spurge  
Yellow Woodsorrel

### Application Timings:

This product may be applied either in the spring or in the fall for the control of weeds.

When this product is applied in the fall, a sequential or second application should be made the following spring to provide season-long control of weeds.

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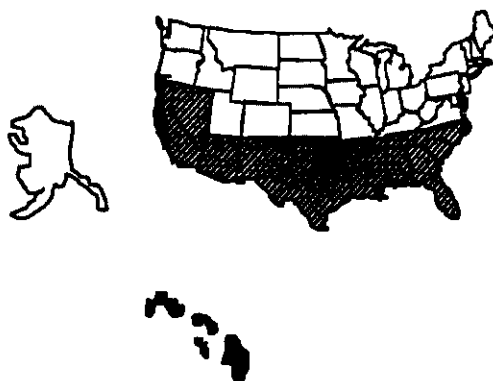
### Length of Control:

This product will provide up to 4 months of weed control if applied according to label directions.

The actual length of control will vary depending on use rate, weather conditions, condition of the turfgrass, intensity of weed pressure, and the location or "Region" within the United States that this product is being applied.

Please check the map below to determine which "Region" of the U.S. that applies to your particular use area.

### Use "Regions" within the United States:



NORTH

SOUTH

### Recommended Use Rates:

#### Recommended Use Rates for The Andersons Dithiopyr Herbicide

(Pounds of this product to apply per 1,000 square feet of turfgrass)

<u>Region of U.S.</u>	<u>Length of Weed Control</u>	
	<u>2-3 Months Control</u>	<u>3-4 Months Control</u>
North	2.8	4.0
South	4.3	5.6

### **SUGGESTED SPREADER SETTINGS**

(Available at Final Printing)

**Broadcast Spreaders:** For best results, apply in a circular path starting on the outside and working toward the center. A little overlap of product will ensure complete coverage.

**Drop Spreaders:** First, apply 2 border strips along the edge of each end of the lawn. Then apply product along the length of the lawn, overlapping slightly and shutting off the spreader before turning as you reach the edge of the border strips.

**Important:** It is important to follow the directions as indicated on this quality lawn care product as over-application may cause injury to the lawn. Measure the size of the area to be treated and do not over or under apply. Spreader settings are approximate. Differences may occur due to condition of spreader, speed at which applied, and roughness of area treated. Calibrate spreader prior to use according to the manufacturer's



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directions. Check frequently to be sure equipment is working properly and distributing uniformly. Close spreader when filling, stopping or turning. Do not hand spread.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

**STORAGE:** Keep container closed and away from food, feedstuffs and domestic water supplies.

**DISPOSAL:**

If empty: Do not reuse this container. Place in trash or offer for recycling if available.

If partly filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

## GENERAL INFORMATION - LANDSCAPE ORNAMENTALS

1. This product provides preemergence control of listed annual grass and broadleaf weeds in landscape
1. ornamentals. It may be applied to soil surfaces where ornamental plants are grown for aesthetic purposes in ornamental gardens, and residential properties.

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

Apply this product with a properly calibrated spreader which will assure accurate, even particle distribution. This product may be applied as a single application or as a split application. Refer to the following table for product recommendations when treating a small area.

DO NOT apply more than 16 pounds per 1,000 square feet per year. Do not apply in Nassau and Suffolk Counties of New York.

**Pounds of Product  
per 1,000 square feet**  
11

**Ounces of Product  
per 100 Square Feet**  
17.6

## APPLICATION TIMING AND RECOMMENDATIONS

This product is a preemergence herbicide that will not control established weeds. Make applications prior to weed seed germination or to bare ground. 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. Once an application of this product has been made, do not disturb the soil surface as the herbicide barrier will be broken.

## 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.

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- 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 condition. 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>Ajuga 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 aucuparia</i>	
Ash, Purple	<i>Fraxinus americana</i>	
Azalea	<i>Rhododendron spp.</i>	Brilliant Buccaneer Carror Chimes (Belgian) Exbury Fashion Hardijzer Beauty Hershey Red Higasa Hinodecrimson 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

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		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>	Debutante Mathotiana Supreme Chansonette
	<i>Camellia sasangua</i>	
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>Cotoneaster apiculatus</i>	
Cycads	<i>Cycads revoluta</i>	
Coyotebrush	<i>Baccharis pelularis</i>	
Cypress, Bald	<i>Taxodium distichum</i>	
Cypress, Italian	<i>Cupressus sempervirens</i>	Glaucia
Cypress, Leyland	<i>Cupressocyparis leylandii</i>	
Cypress, Japanese False	<i>Chamaecyparis obtusa</i>	Gracilis
Daffodil	<i>Narcissus spp.</i>	King Alfred
Daylily	<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

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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 Burfordii 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>	

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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 chirensis</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>	
Leucothoe	<i>Leucothoe fontanesiana</i>	
Lily, Africian	<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 Monrce 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>	

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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
Mopnd 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 fruitcosum</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

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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 Blue	<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>	
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>	Deniseformis

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*Taxus X media*

\*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 following annual grass and broadleaf weeds when applied prior to their emergence. 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.

## GRASSES

barley (*Hordeum* spp.)  
barnyardgrass (*Echinochloa crus-galli*)  
bluegrass, annual (*Poa annua*)  
brome (*Bromus* spp.)  
crabgrass, large (*Digitaria sanguinalis*)  
crabgrass, smooth (*Digitaria ischaemum*)  
crabgrass, Southern (*Digitaria ciliaris*)  
crowfootgrass (*Dactyloctenium aegyptium*)  
dallisgrass (seedling) (*Paspalum dilatatum*)  
goosegrass (*Eleusine indica*)  
foxtail, green (*Setaria verdi*)  
foxtail, yellow (*Setaria faberi*)  
kikuyugrass (*Pennisetum clandestinum*)  
oats, wild (*Avena fatua*)  
ryegrass (annual & pernnial) (*Lolium* spp.)  
smutgrass (*Sporobolus poireti*)

## BROADLEAF WEEDS

bittercress (*Cardamine* spp.)  
carpetweed (*Mollugo verticillata*)  
chickweed (*Stellaria* spp.)  
geranium, Carolina (*Geranium carolinianum*)  
henbit (*Lamium* spp.)  
knotweed, prostrate (*Polygonum saviculare*)  
lespedeza, common (*Lespedeza striata*)  
maretail (*Hippuris vulgaris*)  
medic, black (*Medicago lupulina*)  
mustard (*Brassica* spp.)  
oxalis, buttercup (*Oxalis pes-caprae*)  
pineappleweed (*Matricaria matricarioides*)  
pigweed, redroot (*Amaranthus retroflexus*)  
parsley-piert (*Alchemilla avrensis*)  
purslane, common (*Portulaca oleracea*)  
rocker, London (*Sisymbrium irio*)  
shepherdspurse (*Capsella bursa-pastoris*)  
speedwell, corn (*Veronica arvensis*)  
spurge, garden (*Euphorbia hirta*)  
spurge, prostrate (*Euphorbia humistrata*)  
spurge, spotted (*Euphorbia maculata*)  
woodsorrel, creeping (*Oxalis corniculata*)  
woodsorrel, yellow (*Oxalis stricta*)



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**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. RVnot010303

Manufactured by:

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

*Optional marketing information for subregistrant:*

{brand name} Premium 4-step Program

1 {brand name Crabgrass Preventer}

- March – Early May
- Prevents Crabgrass, Foxtail, Goosegrass, Poa annua and other Annual Weed Grasses.
- Nutralene feeds your turfgrass for up to 2 months with long-lasting deep greening

2 {brand name Weed & Feed}

- May – June
- Kills Dandelions, Clover, Plantains, and over 200 other weeds
- Nutralene feeds your turfgrass for up to 2 months with long-lasting deep greening

3 {brand name Lawn Food}

- June - August
- Nourishes your lawn throughout the summer months with extended feeding of Nitrogen
- Nutralene feeds your turfgrass for up to 2 months with long-lasting deep greening

4 {brand name Winterizer & Weed Control}

- Late August – Mid October
- Kills Dandelions, Clover, Plantains, and over 200 other weeds
- Maximizes root building and winter hardiness
- Nutralene feeds your turfgrass for up to 2 months with long-lasting deep greening

OR

{brand name Winterizer}

- Late August – November
- Maximizes root building and prepares your lawn for winter dormancy
- Nutralene feeds your turfgrass for up to 2 months with long-lasting deep greening

Date Printed	4/10/03
Date Approved	
Supersedes	5/26/98
Label Changes	Amendment – first aid, disposal
Filename	9198-120h
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