

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

May 16, 2016

Debbie Ziehr Regulatory Administrator The Andersons Lawn Fertilizer Division, Inc. P.O. Box 119 Maumee, OH 43537

Subject: Notification per PRN 98-10 – Add Optional Claim + States w/Nitrogen & Phosphorous Restrictions Product Name: The Andersons Dimension Herbicide II EPA Registration Number: 9198-120 Application Date: 04/13/2016 Decision Number: 516514

Dear Ms. Ziehr:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If you have any questions, please contact Terri Stowe by phone at (703) 305-6117, or via email at stowe.terri@epa.gov.

Sincerely,

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Kathryn V. Montague Product Manager 23 Herbicides Branch Registration Division (7505P) Office of Pesticide Programs

#### NOTIFICATION

#### 9198-120

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

05/16/2016

(FRONT PANEL)

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# THE ANDERSONS DIMENSION HERBICIDE II

#### Optional marketing claims:

- Contains Nutrisphere-N
- Greatly reduces fertilizer loss due to ball, shoe & mower pickup
- Contains MUtech-L Nitrogen for even feeding up to 22 weeks
- www.RussoPower.com
- Contains Fortify-N

This product is a 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-(diflu- -6-(trifluoromethyl)-S,S- dimethyl ester		0.103%
INERT INGREDIENTS		<u>99.897%</u>
	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

9198-120C

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#### (BACK PANEL)

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### The Andersons Dimension Herbicide II

#### **GUARANTEED ANALYSIS**

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

For products being sold into Florida, we have added the following language: **Florida Applications:** We recommend that you follow the Florida Green Industries BMP's at:

http://www.flaes.org/pdf/BMP\_Book\_final.pdf We recommend that you follow the Florida Golf Course BMP's at: http://www.flaes.org/pdf/glfbmp07.pdf

**Nitrogen Notice:** For those states with nitrogen application restrictions, including but not limited to MD, NH, NJ and VA, do not apply more than X.XX lbs of this product per 1,000 sq. ft.

**Phosphate Notice:** This lawn/turf fertilizer contains phosphorus and is only for nonagricultural use on (i) turf during its first growing season, (ii) on turf areas being repaired or removated, and (iii) on turf where a soil test performed within the last 3 years indicates a phosphorus deficiency. This fertilizer is not for the routine maintenance of turf.

#### 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.
lf 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.
lf on skin or clothing	Take off contaminated clothing. Rinse skin immediately with plenty of water for 1520 minutes. Call a poison control center or doctor for treatment advice.

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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 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 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 wellestablished. 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:

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#### (BACK PANEL) COMMERCIAL USE ONLY

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#### **Cool-Season Grasses**

#### Warm-Season Grasses

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

\* 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.

#### 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\*

PROGRAM	1	2	3	4
USE (turfgrass cut)	Preemergence (high)	Preemergence (low)	Preemergence (low)	Golf Course Putting Green Mowing
REGION		Postemergence (high)	Postemergence (low)	Height less than 1/4 inch**
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

(lbs of this product/1000 sq. ft.)

\*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.

#### 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 premergence 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).

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: crowfootgrass foxtail (vellow & green)\*

barnyardgrass bluegrass (annual, roughstalk) crowfootgrass foxtail (yellow & green)\* kikuyugrass lespedeza (common)

(The above is for internal use only and will not appear on the final label copy)

oxalis (buttercup, creeping & yellow woodsorrel)

purslane (common) speedwell (corn)

ryegrass (annual & perennial) smutgrass

\*Also controlled at the Program 2 rates.

spurge (prostrate & spotted) goosegrass

**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

#### 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 theses 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.

#### **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 Ounces of Product per 1,000 square feet per 100 Square Feet 11 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.
- 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
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Abelia, Dwarf	Abelia X Grandiflora	Nana
Ajuga	Ajuga reptans	Bronze
	Ajunga genevensis	Bronze Beauty
Almond, Flowering	Prunus gladulosa	
Apple*	Malus pumila	
Arbovitae	Thuja occidentalis	Nigra

		Pyramidalis
		Smaragh
		Techny
		Woodwardii
Arborvitae, Golden	Thuja orientalis	
Aster, Chinese	Callistephus chinensis	Dwarf Queen
Ash, Green	Fraxinus pennsylvanica	
Ash, Mountain	Sorbus acucparia	
Ash, Purple	Fraxinus americana	
Azalea	Rhododendron spp.	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
		Southern Charm
Azalea, Flame	Rhododendron calendulaceum	
Azalea, Kirishima		
Bamboo, Heavenly	Darkaria thumpharmii	A
Barberry	Berberis thumbergii	Aurea
		Dwarf Pigmy
		Green
		Kobold
		Pygmy Red
		Rose Glow
Barberry, Purple		Atropurpurea
Bearberry (common)	Arctostaphylos uva-ursti	Massasschusetts
Birch, River	Betula nigra	

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Blueberry*	Vaccinium spp.	Bluecorp
		Blue Jay
		Jersey
		North Blue
		Northland
Bottlebrush	Callistemon citrinum	
Boxwood, Japanese		Japonica
Boxwood, Weller	Buxus sempervirens	
Broom	Cytisus spp.	Moonlight
Broom	Genista pilosa	Vancouver Gold
Bugle Carpet		

Carex, Variegated	Carex	
Camellia	Camellia japonica	Debutante Mathotiana Supreme Chansonette
	Camellia sasangua	
Cedar, Red	Juniperus virginiana	
Cockscomb, Plumosa	Celosia cristata	Red Kewpie
Coleus	Coleus blumei	
Copper leaf	Acalypha wilkesiana	
Cotoneaster	Cotonester apiculatus	
Cycads	Cycads revoluta	
Coyotebrush	Baccharis pelularis	
Cyrpress, Bald	Taxodium distichum	
Cypress, Italian	Cupressus sempervirens	Glauca
Cypress, Leyland	Cupressocyparis leylandii	
Cypress, Japanese False	Chamaecyparis obtusa	Gracilis
Daffodil	Narcissus spp.	King Alfred
Daylilly	Hemerocallis spp.	Aztec Gold Bright Yellow (Hybrid) Single Gold (Evergreen) Wilson's Yellow
Dogwood	Cornus florida	
Dogwood, American	Cornus sericea	
Douglas Fir	Pseudotsuga menziesii	
Dusty Miller	Senecio cineraria	
Elm, Drake	Ulmus parvifolia	

		Annente e verie sete
Euonymus	Euonymus fotunei	Argenteo-variegata
		Auereo-marginata
		Colorata
		Emerald Gaiety
		Emerald 'N Gold
		Gold Edge
		Gold Princess
		Silver King
		Tricolor
		Vegetus
Fan Palm, European	Chamaerops humilis	
Fan Palm, Mexican	Washingtonia robusta	
Fescue	Festuca glauca	
Fetterbush	Leucothoe fontiana	Rainbox
Ficus	Ficus retusa	Nitidia
Forsythia	Forsythia X intermedia	Arnold Dwarf
		Bronxensis Dwarf
		Lynwood Gold
		Meadowlark
	Spring Glory	Weeping
Fir Fraser	Abies fraseri	
Gardenia	Gardenia jasminoides	Mystery
	-	Radicans

Geranium	Pelargonium X hortorum	
Gum	Eucalyptus citriodora	
Hawthorn	Crataequs spp.	Cockspur White
		Crimson Cloud
		Enchantress
		Jack Evans
		Washington White
Heather, Twisted	Erica cinerea	Mediterranean Pink
Hibiscus	Hibscus spp.	Brilliant
		Hula Girl
		Blue Bird
Hemlock, Canada	Tsuga canadensis	

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Holly	llex spp.	Blue Boy
,		Blue Girl
	llex X meserveae	Burfodii
		China Girl
		Ciompacta
		Forsteri
		Hellerie
		Japanese Northern Beauty
		Needlepoint
		Nellie R. Stevens
		Savanah
	llex X attenuata	
Holly, Chinese	llex cornuta	
Holly, Japanese	llex crenata	
Holly, Yaupon	llex vomitoria	
Honeysuckle	Lonicera japonica	Clavey's Dwarf
		Halliana
		Tatarian Canadian White
		Zebelli Red Hosta
Hosta	Hosta spp.	Algo Marginata
	Hosta lancifolia	
Ice Plant	Carpobrotus edulis	
Impatiens	Impatiens wallerana	
Iris	Iris spp.	Wedgewood
		Dwarf blue
lvy, English	Hedera helix	Bulgaria
	Trachele and a second second second	Thorndale
Jasmine, Asian	Trachelopermum asiaticum	
Juniper	Juniperus spp.	Arcadia
		Armstrong
		Bar Harbor
	Juniperus horizontalis	Blue Chip
		Blue Pacific
	luninoruo borizontolio	Blue Rug Blue Star
	Juniperus horizontalis	Blue Star Broadmoor
		Broadfrioof Buffalo
		Calgary Carpet

Γ		
		Emerald Sea
		Emerald Spreader
		Endora Compacta
		Fuitlandi Green
		Gold Tip Hetzi
		Hughes Manhatten Blue
		Parsoni
		Parsoni Pfitzeriana
		Plumosa
		Prince of Wales
		Procumbens Dwarf
		San Jose
		Sargent Blude
		Sargent Green
		Scandia
		Scopulorum Moonglow
		Scopulorum Skyrocket
		Spartan
	Juniperus chinesis	Tamariscifolia
	Juniperus sabina	Weberi
		Youngstown
		Yukon Belle
King Palm	Archontophoenix	
-	cunninghamiana	
Laurel, Australian	Pittosporum tobira	
Laurel, Mountain	Kalmia latifolia	
Leucothoe	Leucothoe fontanesiana	
Lily, Africian	Agapanthus africanus	Albus
-		Peter Pan
Lily, African Blue		
Lily of the Valley	Pieris japonica	Mt. Fire
Lilyturf	Liriope muscari	Evergreen Giant
		Lilac Beauty
		Majestic
		Monroe White
		Variegata
Ligustrum, Japanese	Ligustrum japonicum	
Liriope, Green	Liriope spicata	
Maple, Japanese	Acer japonicum	
Maple, Norway	Acer platanoides	
Maple, Red	Acer rubrum	
Maple, Sivler	Acer saccharinum	
Maple, Sugar	Acer saccharum	
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# 18 (BACK PANEL) COMMERCIAL USE ONLY

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Marigold	Tagetes patula	Honeycomb
		Wheeler's Dwarf
Maala Oran na*	Dhila da la hua ann	Variegata
Mock Orange*	Philadelphus spp	Golden
		Snowflake Double White
		Showhake Double White
Mopndo Grass	Ophiopogon japonicus	
Moss Rose	Portulaca grandiflora	Sunnyside
Myrtle, Crape	Lagerstoemia indica	Faurei
		Langer
		Muskogee
		Standard Pink
Myrtle, Wax	Myrica cerifer	
Nadina	Nadina domestica	Compacta
		Nana
Oleander	Nerium oleander	Hardy Red
		Petite Pink
		Sister Agnes
Oak, Laurel	Quercus laurifolia	
Oak, Pin	Quercus palustris	
Oak, Red	Quercus rubra	
Oak, Southern L	Quercus virginiana	
Oak, Willow	Quercus phellos	
Oteospermum	Osteospermum fruitcosum	Wirligig
Palm, Bangalow		
Pampas Grass	Cortadaria selloana	
Paper Flower	Bougainvillea glabra	Barbara Karst
Pachysandra	Pachysandra terminalis	
Peach*	Prunus persica	
Periwinkle, Dwarf	Vinca minor	
Petunia	Petunia X hybrida	Picoti
Photinia, Red Tip	Photinia X fraseri	
Pieris	Pieris japonica	
Pine, Australian	Pinus nigra	
Pine, Japanese Black	Pinus thumbergiana	
Pine, Loblolly	Pinus teada	
Pine, Longleaf	Pinus palustris	
Pine, Mugho	Pinus mugho	
Pine, Scotch	Pinus sylvestris	
Pine, Slash	Pinus eliottii	
Pine, Swiss Mt.	Pinus mugo	
Pine, Virginia	Pinus virginiana	
Pine, White	Pinus strobus	
Pineapple, Guava	Feijoa fellowaiana	

Pittosporum, Japan		
Potentilla	Potentiall fruticosa	Abbotswood
Privet	Ligustrum japanicum	Golden Vicary
		Regal
		Texanum
		Yellow Tipped
		Wax
Privet, Glossy	Ligustrum lucidum	
Pyracantha	Pyracantha koidzumii	

Queen Pam	Arecastrum rammanzoffianum	
Quince, Japanese*		
Rhododendron	Rododendron spp	Album Cunningham White Fashion Hardy PJM Purple Gem Silvery Pink
Rhododendron, Carolina	Rhododendron carolinianum	
Rododendron, Catawba	Rhododendron catawbiense	
Rodie Max (Rosebay)	Rhododendron maximum	
Rose	Rosa banksiaae	Luta
Rosemary*	Rosmarinum officinalis	
Rosemary, Bog	Andromeda polifolia	Nana
Salvia	Salvia farinacea	Rhea
Sedum	Sedumm spurium	Dragon Blood Red Red Carpet Yellow
Spiraea	Astilbe X arendsii	Fanall
Spiraea	Spiraea spp.	Anthony Waterer Red Dolchica Froebeli Pink Goldenflame Red Snowmound White Van Houttee White
Spiraea, Garland	Spiraea spp.	
Spruce, Black Hills	Picea glauca	
Spruce, Colorado Hlue	Picea pungens	
Spruce, Norway	Picea abies	
Spruce, White	Picea glauca	
Sourwood	Oxydendrum arboreum	
Sweetflag, Grassyy-Le		
Sweetgum	Liquidambar styraciflua	
Sycamore	Platanus occidentalis	

Tree Fern (Tiki Fern)	Asparagus virgatus	
Trumpet Flower, Evening	Gelsemiun sempervirens	
Tulip	Tulip, spp	Apeldoorn
Verbana, Shrub	Lantana sellowiana	
Vervain	Verbena spp.	St. Paul
Viburnum	Viburnum spp.	American Cranberry Bush Arrowood Common Snowball European Cranberry Bush Linden Mohican Wright
Windmill Palm	Trachycarpus fortunei	
Xylosma	Xylosma congestum	
Yaupon	llex vomitoria	Dwarf
Yew	Taxus cuspidatra Taxus X media	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.

#### 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) fotxtail, 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) marestail (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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Manufactured by: <u>The Andersons, Lawn Fertilizer Division d/b/a Free Flow Fertilizer</u> <u>The Andersons, Inc.</u> P.O. Box 119 Maumee, OH 43537



Optional marketing picture for products with dispersible granules:

Date Printed	04/13/16
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