

9198-140

04-23-2010

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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms. Debbie Ziehr
Product Registration
The Andersons Lawn Fert. Div., Inc
PO Box 119
Maumee, OH 43537

APR 23 2010

SUBJECT: Application for Pesticide Notification (PRN 98-10)
Request General Label Change/Marketing Claims & Recommend Florida Green
Industries BMP's
EPA Reg. No. 9198-140
Application Dated March 19, 2010

Dear Ms. Ziehr:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 03/19/10 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action(s) requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Owen F. Beeder of my staff at 703-308-8899.

Sincerely,

A handwritten signature in black ink, appearing to read "Linda Arrington".

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



United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☒ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 9198-140	2. EPA Product Manager Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) The Andersons Fertilizer with 0.426% Barricade Herbicide	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) The Andersons Lawn Fertilizer Division, Inc. d/b/a Free Flow Fertilizer PO Box 119 Maumee, OH 43537 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	NOTIFICATION APR 23 2010
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.	

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

Notification of Label change per PR Notice 98-10: Added optional marketing claim and state required language. See cover letter for details.

This notification is consistent with the guidance of PR Notice 98-10 and the requirements of EPA's regulations at 40 CFR 156.10 and 40 CFR 152.46 and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the guidance of PR Notice 98-10 and the requirements of 40 CFR 156.10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

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

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name Debbie Ziehr		Title Regulatory Administrator	
		Telephone No. (Include Area Code) 419-891-6671	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received (Stamped)
2. Signature 		3. Title Regulatory Administrator	
4. Typed Name Debbie Ziehr		5. Date 3/19/10	



The Andersons, Inc.

P.O. Box 119 • Maumee, Ohio 43537 • 419/893/5050

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March 19, 2010

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7505P)
US Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

RE: Notification of Minor Label Change

SUBJECT: **The Andersons Fertilizer with 0.426% Barricade Herbicide**
EPA Reg. No. 9198-140

Per PR Notice 98-10 enclosed is EPA Form 8570-1, an application notifying the Agency of a revision to the labeling for the subject registration. One copy of the revised labeling is enclosed with changes marked in blue.

We have added the following optional marketing claims:

- Contains Nutrisphere-N

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/gfbmp07.pdf>

If there are any questions or comments regarding this notification, please contact me.

Sincerely,

The Andersons Lawn Fertilizer Division, Inc.

Debbie Ziehr
Regulatory Administrator
Phone: 419-891-6671
Fax: 419-891-2745
Email: debbie_ziehr@andersonsinc.com

Enclosures

(Front Panel)

The Andersons Fertilizer with 0.426% Barricade® Herbicide

Active Ingredient:

Prodiamine* 0.426%

Other Ingredients: 99.574%

Total 100.000%

*(CAS No. 29091-21-2)

NOTIFICATION

Barricade – trademark of Syngenta Crop Protection

APR 23 2010

Optional Marketing Claims:

- **Contains Nutrisphere-N®**

For preemergence control of grass and broadleaf weeds in:

- established turf grasses (excluding golf course putting greens) and lawns
- landscape ornamentals
- established perennial & wildflower plantings

KEEP OUT OF REACH OF CHILDREN

CAUTION

See back panel for additional Precautionary Statements and First Aid

EPA Reg. No. 9198-140

EPA Est. No. 9198-OH-1M, 9198-OH-2B, 9198-AL-001A

Underlined letter is first letter used in run code

Net Weight

Covers

5
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(Back Panel)

The Andersons Fertilizer with 0.426% Barricade® Herbicide

GUARANTEED ANALYSIS

Total Nitrogen (N) XXX.XX%
Available Phosphorus (K₂O) XXX.XX%
Soluble Potash (P₂O₅) XXX.XX%
Plant Nutrients Derived From:

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/gfbmp07.pdf>

For products being sold into states which require metals information:

Information regarding the contents and levels of metals in this product is available on the internet at:
<http://www.regulatory-info-ap.com/>.

For products containing the micronutrient iron:

Notice: this product contains the micronutrient iron to help prevent iron deficiency. Iron may stain concrete surfaces and should not be applied on water dampened concrete and should be removed from these areas promptly after application by sweeping or blowing. Do not wash this product from concrete surfaces with water.

PRECAUTIONARY STATEMENTS

CAUTION

Hazards to Humans and Domestic Animals

Causes moderate eye injury (irritation). Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Prolonged or frequently repeated skin contact may cause allergic reactions 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 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. |
| If inhaled | Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice. |

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

(Back Panel)

Environmental Hazards

This product has low solubility in water. At the limit of solubility, this product is not toxic to fish. However, at concentrations substantially above the level of water solubility, it may be toxic to fish. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

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

For final printed labels which do include landscape ornamental uses:

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in ornamental gardens or parks, or on golf courses or lawns.

For final printed labels which do not include landscape ornamental uses:

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

GENERAL INFORMATION

The Andersons Fertilizer with 0.426% Barricade Herbicide is a preemergence herbicide that provides residual control of many grass and broadleaf weeds in turfgrasses and landscapes. This product controls susceptible weeds by inhibiting weed seeds germination and root development. Most effective weed control will be obtained when this product is activated by at least 0.5 inch of rainfall or irrigation, or with shallow (1 to 2 inches) incorporation, prior to weed seed germination and within 14 days following application.

APPLICATION DIRECTIONS

Apply uniformly through suitable, calibrated application equipment.

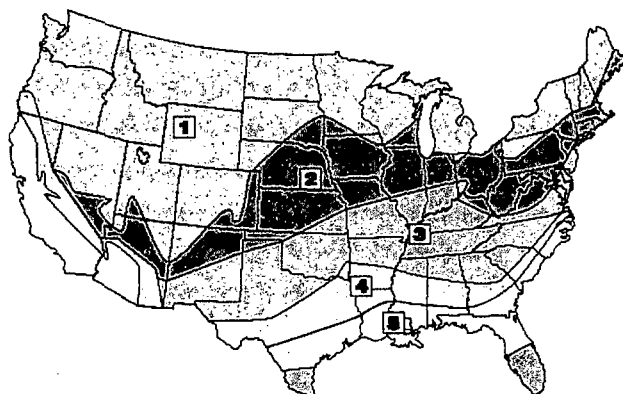
ESTABLISHED TURF

This product is a preemergence herbicide that, when properly applied as directed, will control certain grass and broadleaf weeds in established turf grasses and lawns. The maximum amount of this product that may be applied per year is given for each turf grass species in the **Maximum Annual Rates** section of this label.

Most effective weed control in turf grasses will be obtained when this product is activated by at least 0.5 inch of rainfall or irrigation prior to weed seed germination and within 14 days following application. See the map below for approximate crabgrass seed germination dates.

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CRABGRASS GERMINATION DATES



Approx. Date

- 1 - After May 30
- 2 - After May 10
- 3 - After April 20
- 4 - After March 20
- 5 - Jan. 1 to March 20

Use Restrictions and Precautions

The following precautions apply to the use of this product in turf grasses and lawns:

- Application of this product may thin emerged annual bluegrass and newly over seeded grasses.
- Do not apply to over seeded turf within 60 days after seeding or until after the second mowing, whichever is longer.
- Injury to desirable seedlings is likely if this product is applied before seedling secondary roots are in the second inch of soil, not thatch plus soil.
- Do not apply to newly set sod until the following year.
- Application of this product to turf stressed by drought, low fertility, or pest damage may result in turf injury.
- Disturbing the herbicide barrier with cultural practices such as disking may result in reduced weed control.
- Do not apply this product to putting greens or areas where dichondra, colonial bentgrass, velvet bentgrass, or annual bluegrass (*Poa annua*) are desirable species.
- Do not graze or feed livestock forage cut from areas treated with this product.
- Do not apply this product through any type of irrigation system unless otherwise instructed by this label.
- Do not apply aerially.
- Do not apply to golf course putting greens.

Rates of Application

This product may be applied as a single application or in sequential applications to control weeds germinating throughout the year. All applications must be made prior to germination of the target weeds. This product will not control established weeds.

Maximum use rate selection should be based on turf species. The length of time of residual weed control provided by this product is related to the rate applied.

Maximum Annual Rates

This product is recommended for use on the turf grass species listed in the following table. Do not exceed the maximum yearly rate as given in the following table:

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Maximum Annual Rates Table

Maximum Application Rate of this product per Calendar Year by Turf Grass Species ¹			
Turf Species	lbs. A/A	lbs. product /A	lbs. product/ 1000 sq. ft.
Bermudagrass ² , Bahiagrass, Centipedegrass, Seashore Paspalum, St. Augustinegrass, Tall Fescue (including turf-type), Zoysia	1.5	352	8.1
Buffalograss, Kentucky Bluegrass, Perennial Ryegrass	1.0	235	5.4
Creeping Red Fescue	0.75	174	4.0
Creeping Bentgrass	0.65	155	3.6

¹ These are the maximum rates per calendar year by species limitations.

² May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 122 lb./acre or 2.8 LB./1000 sq. ft. Newly sprigged or plugged Bermudagrass stolon rooting may be temporarily retarded. Suppression only of Foxtail, Goosegrass and Rescuegrass due to reduced product rates used in sprigging situations.

Do not apply more than 352 lbs. per acre (8.1 lbs./1,000 sq. ft.) of this product per calendar year. Use higher rates of this product to achieve higher levels of fertility and weed control for each turf type, but do not exceed the maximum application rates specified in the Maximum Annual Rates table.

Weeds Controlled

When used at the recommended rates this product will control:

Barnyardgrass	Cupgrass, Woolly	Lambsquarter, Common	Signalgrass, Broadleaf
Bluegrass, Annual (<i>Poa annua</i>)	Foxtails, Annual	Lovegrass	Speedwell, Persian
Carpetweed	Goosegrass ¹	Oxalis	Sprangletop
Chickweed, Common	Henbit	Panicum	Spurge, Prostrate
Chickweed, Mouseear (from seed)	Itchgrass	(Texas, Fall, Browntop)	Witchgrass
Crabgrass	Johnsongrass (from seed)	Pigweed	Woodsorrel, Yellow (from seed)
(Large, Smooth)	Junglerice	Purslane, Common	
Crowfootgrass	Knotweed	Pusley, Florida	
	Kochia	Rescuegrass ³	
		Shepherd's Purse ²	

¹ In many areas a single application of 3.6 to 8.1 lbs./1,000 sq.ft. (155 to 352 lbs./A) of this product will control goosegrass. However, under heavy goosegrass pressure and/or an extended growing season, most effective weed control may be obtained by making an initial application of 3.6 to 5.4 lbs./1,000 sq. ft. (155 to 235 lbs./A) followed after 60 to 90 days by a second application at doses that would not exceed those given in the **Maximum Annual Rates Table**. Do not exceed the maximum rate for turf grass species listed in the **Maximum Annual Rates Table** above.

² Applications for this weed should be made in late summer, fall, or winter prior to germination. Do not exceed the maximum application rates specified in the Maximum Annual Rates table.

³ Suppression only.

Sequential applications may be made so long as the total amount of product applied does not exceed the maximum application rates specified in the Maximum Annual Rates table. All applications must be made prior to germination of the weed seeds.

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When to Apply After Overseeding Turf

Do not apply to overseeded turf within 60 days after seeding or until after the second mowing, whichever is longer. Injury to desirable seedlings is likely if this product is applied before seedling secondary roots are in the second inch of soil, not thatch plus soil.

When to Overseed After Application – All States*

This product will inhibit the germination of turf species if overseeded too soon after application. Follow rates and intervals in the table below for best overseeding/reseeding results.

The Andersons Fertilizer with 0.426% Barricade Herbicide Rate			Interval Before Overseeding		
lbs/1000 sq. ft	lbs./A	ai/A	North	Transition	South
2.7	117	0.50	4 mo	4 mo	4 mo
3.6	155	0.65	5 mo	4 mo	4 mo
4.0	174	0.75	6 mo	5 mo	5 mo
4.4	190	0.81	—	6 mo	6 mo
5.4	235	1.00	—	7 mo	7 mo
6.2	270	1.15	—	—	9 mo
7.0	305	1.30	—	—	10 mo
8.1	352	1.50	—	—	12 mo

*Note: In AZ, CA, NV and TX, the overseeding interval can be shorter in established bermudagrass that has been overseeded with perennial ryegrass. See the next section "*Poa annua* Control in Established Bermudagrass Overseeded with Perennial Ryegrass (AZ, CA, NX and TX only)".

***Poa annua* Control in Established Bermudagrass Overseeded with Perennial Ryegrass (AZ, CA, NX and TX only)**

Use on golf courses (excluding golf course putting greens) and lawns when overseeding with perennial ryegrass (minimum seed rate of 350 lbs./A).

How Much and When to Apply

Amount to Apply		When to Apply	Expected Control	Use Precautions
Lbs./Acre	Lbs/1000			
88 – 155	2.0 – 3.6	6 to 8 weeks before ryegrass overseeding Second application 4-8 weeks after overseeding date or when perennial ryegrass roots are in the second inch of soil	One application for 70% or greater control of <i>Poa annua</i> Second application should enhance the residual under normal weather conditions	1. Some seed mortality and temporary reduction in root growth of new seedlings may occur 2. To reduce the potential for seeding mortality, maintain a moist seedbed with light, frequent irrigation. 3. Make no more than 2 applications per year for this use, and do not exceed 198 lbs./A (4.5 lbs/1000) for these two applications for <i>Poa annua</i> control in ryegrass overseeded turf 4. Do not make a second application if any injury to the ryegrass is observed after the first application 5. Do not make a second application unless the product was first applied before overseeding

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Recommended Spreader Settings						
These suggested spreader settings are not intended to replace calibration. Please calibrate your spreader before applying product.						
___ lbs. treats ___ ft ² at the 155 lbs. product/acre – LIGHT RATE (3.6 lbs./1,000 sq. ft.) ___ lbs. treats ___ ft ² at the 174 lbs. product/acre – LOW RATE (4.0 lbs./1,000 sq. ft.) ___ lbs. treats ___ ft ² at the 235 lbs. product/acre – MEDIUM RATE (5.4 lbs./1,000 sq. ft.) ___ lbs. treats ___ ft ² at the 352 lbs. product/acre – HIGH RATE (8.1 lbs./1,000 sq. ft.)						
Spreader	Ground or PTO Speed	Width of Coverage	Spreader Settings			
			Light Rate	Low Rate	Medium Rate	High Rate
aa	X mph	XX ft/	X	X	X	X
bb	X mph	XX ft	X	X	X	X
cc	X mph	XX ft	X	X	X	X

LANDSCAPE ORNAMENTALS

This product may be applied for residual preemergence weed control in ornamentals (including established perennial and wildflower plantings).

Use Rates

Apply this product at 155 to 352 lbs./A (3.6 to 8.1 lbs./1,000 sq. ft) in fall and/or spring. Use higher rate of application for longer control periods. Sequential applications may be made so long as the total amount of product applied does not exceed the maximum annual application rate of 352 lbs./A (8.1 lbs./1,000 sq. ft.).

Application Timing and Information

This product is a preemergence herbicide and will not control emerged weeds. Most effective weed control in ornamentals will be obtained when this product is activated by at least 0.5 inch of rainfall or irrigation, or with shallow (1 to 2 inch) mechanical incorporation, and within 14 days following application.

Best weed control is obtained when this product is applied to soil free of clods, weeds, and debris such as leaves and mulch. Prior to application of this product, control existing vegetation by hand weeding, cultivation or the use of an appropriate postemergence herbicide.

Established Landscape Ornamentals

This product may be applied to established ornamentals as a broadcast, over-the-top, or directed application. Overhead irrigation or rainfall soon after application will wash granules off plant foliage and activate the product in the soil.

Newly-Transplanted Landscape Ornamentals

This product may be applied to established ornamentals as a broadcast, over-the-top, or directed application. Delay application to allow soil to settle around new transplants and water thoroughly before applying this product. Apply this product after cuttings form roots and become established. Apply before budding/grafting or after buds/grafts have taken to avoid any inhibition of the tissue union.

Tolerant Ornamental Species

This product will not harm trees, shrubs, vines, and flowers listed below. The species listed below in Table 1 are tolerant to this product. This product is also approved for application, except in California, to the species in Table 2, below. Best results will be obtained when this product is uniformly applied to the soil surface; avoid applying to ornamental shoots which may defeat the effort to get uniform distribution on the soil surface. This product may be applied over the top of the ornamental species listed below.

(Back Panel)

When plants are under stress (such as heat, drought, or frost damage) some cultivars of listed plants may be sensitive to this product. Avoid application to plants that are under stress.

Table 1 - Tolerant Ornamental Species - All States

Scientific name	Common name
<i>Abies</i> spp.	Fir species** (Balsam, Fraser, Noble, etc.)
<i>Acer palmatum</i>	Japanese Maple
<i>Acer platanoides</i>	Norway Maple
<i>Actinidia chinensis</i>	Kiwi*
<i>Agapanthus africanus</i>	Lily-of-the-Nile (African Lily)
<i>Arctostaphylos densiflora</i>	Vine Hill Manzanita
<i>Arctotheca calendula</i>	Cape Weed
<i>Aucuba japonica</i>	Japanese Aucuba
<i>Berberis gladwynensis</i>	Barberry
<i>Berberis julianae</i>	Wintergreen Barberry
<i>Berberis mentorensis</i>	Mentor Barberry
<i>Berberis thunbergii</i>	Japanese Barberry
<i>Berberis verruculosa</i>	Warty Barberry
<i>Buxus microphylla</i>	Japanese Boxwood
<i>Callistemon viminalis</i>	Weeping Bottlebrush
<i>Calluna vulgaris</i>	Scotch Heather
<i>Carpobrotus edulis</i>	Hottentot Fig (Ice Plant)
<i>Cassia artemisioides</i>	Feathery Cassia
<i>Ceanothus rigidus</i>	Wild Lilac
<i>Chamaecyparis pisifera</i>	False Cypress
<i>Cleyera japonica</i>	Cleyera
<i>Citrus</i> spp.	Citrus species*
<i>Cornus florida</i>	Flowering Dogwood
<i>Cornus stolonifera</i>	American Dogwood
<i>Cortaderia selloana</i>	Pampas Grass
<i>Cotoneaster apiculatus</i>	Cranberry Cotoneaster
<i>Cotoneaster buxifolius</i>	Cotoneaster
<i>Cotoneaster dammeri</i>	Bearberry Cotoneaster
<i>Cotoneaster microphyllus</i>	Rockspray Cotoneaster
<i>Crataegus</i> spp.	Hawthorne
<i>Cupressus sempervirens</i>	Italian Cypress
<i>Delosperma alba</i>	White Trailing Ice Plant
<i>Dodonaea viscosa</i>	Hop Bush
<i>Elaeagnus pungens</i>	Silverberry
<i>Euonymus fortunei</i>	Wintercreeper
<i>Euonymus japonica</i>	Japanese Spindle Tree (Evergreen Euonymus)
<i>Euonymus kiautschovicks</i>	Spreading Euonymus
<i>Fatsia japonica</i>	Japanese Aralia
<i>Forsythia intermedia</i>	Border Forsythia
<i>Forsythia viridissima</i>	Greenstem Forsythia
<i>Gardenia jasminoides</i>	Gardenia, Cape-Jasmine
<i>Gladiolus</i> spp.	Gladiolus species**
<i>Hedera helix</i>	English Ivy
<i>Hibiscus</i>	Rose of Sharon**
<i>Hibiscus Rosa-sinensis</i>	Chinese Hibiscus
<i>Ilex cornuta</i>	Chinese Holly

(Back Panel)

Ilex crenata
Ilex opaca
Ilex pernyi
Ilex vomitoria
Iris spp.
Jasminium nudiflorum
Juniperus chinensis
Juniperus conferta
Juniperus horizontalis
Juglans spp.
Justicia brandegeana
Lagerstromia indica
Ligustrum amurense
Ligustrum japonicum
Ligustrum lucidum
Liriodendron muscari
Lonicera japonica
Lonicera tatarica
Magnolia spp.
Malephora luteola
Malus spp.
Nandina domestica
Narcissus spp.
Nerium spp.
Olea europaea
Ophiopogon japonicus
Osteospermum fruticosum
Oxydendrum arboreum
Persea americana
Photinia fraseri
Picea spp.
Pieris japonica
Pinus brutia
Pinus canariensis
Pinus elliotii
Pinus halepensis
Pinus nigra
Pinus palustris
Pinus radiata
Pinus strobus
Pinus sylvestris
Pinus taeda
Pinus thunbergiana
Pinus virginiana
Pistacia spp.
Pittosporum rhombifolium
Pittosporum tobira
Podocarpus macrophyllus
Prunus laurocerasus
Prunus spp.

Pseudotsuga menziesii
Pyracantha coccinea

Japanese Holly
 American Holly
 Holly
 Yaupon Holly
 Iris species**
 Winter Jasmine
 Chinese Juniper
 Shore Juniper
 Creeping Juniper
 Walnut*
 Shrimp Plant
 Crape Myrtle
 Amur Privet
 Japanese Privet
 Glossy Privet (Wax-Leaf)
 Big Blue Lillyturf
 Japanese Honeysuckle
 Tatarian Honeysuckle
 Magnolia species**
 Ice Plant
 Crabapple*
 Heavenly Bamboo
 Narcissus species**
 Oleander
 Olive*
 Mondo Grass
 Trailing African Daisy
 Sourwood
 Avocado*
 Frasier's Photinia (Redtip)
 Spruce species** (Colorado Blue, Norway, etc.)
 Lily-of-the-Valley Shrub
 Calabrian Pine
 Canary Island Pine
 Slash Pine
 Aleppo Pine
 Austrian Black Pine
 Longleaf Pine
 Monterey Pine
 Eastern White Pine
 Scotch Pine
 Loblolly Pine
 Japanese Black Pine
 Virginia Pine
 Pistachio*
 Queensland Pittosporum
 Japanese Pittosporum
 Japanese Yew
 English Laurel
 Almond, Apricot, Nectarine,
 Peach, Plum and Prune*
 Douglas Fir**
 Firethorn Scarlet

(Back Panel)

Pyracantha fortuneana
Pyracantha koidzumii
Pyrus spp.
Quercus rubra
Raphiolepis indica
Rhododendron
(including Azalea)

Rosa banksiae
Rosmarinus officinalis
Rumohra adiantiformis
Santolina virens
Sedum album
Syzygium paniculatum
Taxus cuspidata
Taxus media
Thuja occidentalis
Trachelospermum asiaticum
Tsuga canadensis
Tulipa spp.
Viburnum japonicum
Viburnum odoratissimum
Viburnum plicatum
Viburnum rigidum
Viburnum tinus
Viburnum trilobum
Viburnum wrightii
Vinca major
Vinca minor
Vitis spp.
Weigela florida
Yucca aloifolia
Yucca filamentosa

*Do not use on food producing trees, vines, or plants.

**Not for use on container grown plants.

Firethorn
Firethorn
Bradford Pear spp.
Oak species
Indian Hawthorne
'Coral Bells'
'Formosa'
'Hino-crimson'
'PJM'
'Roseum Elegans'
Lady Bank's Rose
Rosemary*
Leatherleaf Fern

Stonecrop
Japanese Boxcherry
Japanese Yew
Yew
American Arborvitae
Star Jasmine
Canada Hemlock
Tulip species
Japanese Viburnum
Sweet Viburnum
Japanese Snowball
Canary Island Viburnum
Laurustinus
Cranberry Bush
Leatherleaf Viburnum
Vinca
Dwarf Periwinkle
Grape*
Old Fashioned Weigela
Spanish Bayonet
Yucca, Adam's Needle

Table 2 - Tolerant Ornamental Species/Varieties - All States Except CA

Scientific name	Common name
<i>Abelia grandiflora</i>	Abelia: Sherwood
<i>Achillea</i> spp.	Yarrow: King Edward
<i>Agapanthus orientalis</i>	
<i>Akebia quinata</i>	Five-Leaf or Chocolate Vine
<i>Allium cernuum</i>	Lady's Leek, Nodding Onion
<i>Anemone hybrida</i>	Japanese Anemone
<i>Aquilegia</i> spp.	Aquilegia: Red and Gold
<i>Artemisia</i> spp.	Wormwood; Silver Mound, Castle
<i>Aster</i> spp.	Aster: Bonny Blue, Purple Dome
<i>Aster X frikartii</i>	
<i>Athyrium filix-femina</i>	Lady Fern; Fern Lady
<i>Begonia</i> spp.	Fibrous Begonia: Hardy Grandis

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Bergenia cordifolia
Boltonia asteroides
Bougainvillea spp.
Buddleia davidii
Callistemon citrinus
Campanula carpatica
Campis X tagliabuana
Ceratostigma plumbaginoides
Chrysanthemum nipponicum
Coreopsis spp.

Crocasmia spp.
Delosperma spp.
Delphinium spp.
Dianthus deltoides
Dianthus gratianopolitanus
Echinacea pupurea
Forsythia suspensa
Gaillardia spp.
Gaura spp.
Gentiana dahurica
Geranium cinereum
Gypsophila repens
Helianthemum spp.
Hemerocallis spp.
Heucherella spp.
Hibiscus spp.
Hosta plantaginea
Hosta sieboldiana
Houttuynia cordata var. *variegata*
Hydrangea macrophylla
Inula ensifolia
Iris ensata
Iris siberica
Juniperus davurica
Lagerstromia indica x *fauriei*
Lantana montevidensis
Lavender spp.
Leontopodium alpinum
Ligustrum sinense
Lilium spp.
Lirope muscari var. *variegata*
Lirope spicata
Lobelia cardinalis
Loropetalum chinense
Lythrum spp.
Miscanthus sinensis
Oenothera missouriensis
Osmanthus heterophyllus
Paeonia suffruticosa
Pennisetum setaceum
Perovskia atriplicifolia
Physostegia virginiana

Snowbank
Bougainvillea
Butterfly-Bush (Dwarf Blue); Royal Red
Crimson Bottlebrush
Tussock Bellflower; (White Clips)
Trumpet Creeper, Trumpet Flower; Madame Galen

Coreopsis (*Calliopsis*): Early Sunrise,
Moonbeam
Lucifer
Cooperi Pink
Larkspur; Blue Elf
Dianthus, Maiden Pinks 'Zing'
Cheddar Pink
Coneflower, Purple; Magnus
Weeping Forsythia
Gaillardia, Blanket Flower: 'Goblin'

Gentian
Cranesbill
Baby's Breath
Sunrose
Daylily: Aztec Gold, Stella De Oro, Tender Love
Coral Bell; Bridget Bloom
Mallow; Disco Belle White
Hosta, Plantain Lily (Fragrant)
Hosta, 'Searsucker'

Bigleaf Hydrangea

Sword-Leaved Iris; Jodlesong
Siberian Iris; Cabernet
Parsoni
Crape Myrtle; Tuscarora
Weeping Lantana
Lavender; Munstead
Edelweiss
Chinese Privet; Variegata
Lily: Jazz
Lirope, Variegated
Lirope, Creeping
Cardinal Flower, Indian Pink
Burgundy
Loosestrife; Modern Pink
Yaku Jima, Silberfeder
Evening Primrose
Osmanthus (False Holly): Gulf Tide
Tree Peony
Fountain Grass (Dwarf)

Dragonhead, False; Vivid

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<i>Quercus shumardii</i>	Oak, Shumard's Red
<i>Rhaphiolepis umbellata</i>	Yedda Hawthorne
<i>Rhododendron</i>	'Delaware Valley White'
(including azalea)	'Flame Creeper'
	'Girard Crimson'
	'George L. Tabor'
	Wakeiebisu
	White Gumpo
<i>Rudbeckia</i> spp.	Black-Eyed Susan; Goldstrum
<i>Saxifraga</i> spp.	Saxifrage; Purple Dome
<i>Scabiosa</i> spp.	Pincushion Flower
<i>Sedum caudicola</i>	Stonecrop; Lidakense
<i>Sedum dasyphyllum</i>	Stonecrop
<i>Sedum spurium</i>	Stonecrop; Dragon's Blood
<i>Spiraea bumalda</i>	Spirea; Anthony Waterer
<i>Syzyglum paniculatum</i>	Australian Brushcherry
<i>Teucrium</i> spp.	Germander
<i>Thalictrum dipterocarpum</i>	Meadow Rue
<i>Veronica</i> spp.	Veronica, Speedwell; Sunny Border
<i>Viburnum suspensum</i>	Arrowood Viburnum

STORAGE AND DISPOSAL

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

Storage: Store in original container away from fertilizer, feed, or food stuffs and separated from other pesticides.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Completely empty container 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 or box in a sanitary landfill or at an incineration facility; or, if allowed by state and local authorities, by burning locally. If burned, stay out of smoke.

IMPORTANT: READ BEFORE USE:

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

WARRANTY DISCLAIMER and LIMITATION of LIABILITY:

Manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions. Manufacturer makes NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. To the extent consistent with applicable law, it is Manufacturer's intent to LIMIT ANY LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES to refund of purchase price or replacement of product, at Buyer's choice. To the extent consistent with applicable law, Manufacturer DISCLAIMS ANY LIABILITY FOR COMPENSATORY OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS. Use contrary to label directions is not permitted.

LEGAL RIGHTS:

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

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

Date Printed	3/19/10
Date Approved	4/29/04
Supersedes	11/5/97
Label changes	Notification - added FL language
Filename	9198-140
Label code	RVnot031910