

9198-252

10-06-2010

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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

OCT - 6 2010

Ms. Debbie Ziehr
The Andersons Lawn Fert. Div., Inc.
d/b/a Free Flow Fertilizer
P.O. Box 119
Maumee, OH 43537

Subject: Notification of an Alternate Brand Name (The Andersons Treflox DG)
Under PR Notice 98-10
The Andersons 2.0% Treflan & 0.5% Gallery Herbicides
EPA Reg. No. 9198-252
Application, Dated August 26, 2010

Dear Ms. Ziehr:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the subject 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 (notification of the alternate brand name "The Andersons Treflox DG") falls within the scope of PRN 98-10. The label submitted with the application has been date-stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at (703) 305-1243 or Susan Stanton of my staff at (703) 305-5218.

Sincerely,

A handwritten signature in cursive script that reads "Susan L. Stanton, for".

Kathryn Montague, Product Manager 23
Herbicide Branch
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 9198-252	2. EPA Product Manager Montague	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) The Andersons 2.0% Treflan & 0.5% Gallery Herbicides	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) The Andersons Lawn Fert. Div., Inc. d/b/a Free Flow Fert. P.O. Box 119 Maumee, OH 43537 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

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

NOTIFICATION

OCT 06 2010

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

Notification of Alternate Brand Name per PR Notice 98-10: The Andersons Treflox DG

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
* Certification must be submitted				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 25 lbs. - 1,000 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 Paper glued Stenciled			<input type="checkbox"/> Other _____		

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 8/26/10	



Treflox DG™

A selective preemergence herbicide for control of certain broadleaf weeds and annual grasses in:

- Landscape Ornamentals
- Christmas Tree Plantations
- Container Grown Ornamentals
- Field Grown Ornamentals
- Groundcovers/Perennials
- Non-Bearing Fruit and Nut Trees
- Non-Bearing Vineyards
- Non-Cropland

Active Ingredients:

trifluralin: α, α, α -trifluoro-2,6-dinitro- <i>N</i> , <i>N</i> -dipropyl- <i>p</i> -toluidine	2.0%
isoxaben: <i>N</i> -[3-(1-ethyl-1-methylpropyl)-5-isoxazolyl]- 2,6-dimethoxybenzamide and isomers	0.5%
Other Ingredients:	97.5%
Total	100.0%

Contains 0.625% lb active ingredient per 25 lb bag.

EPA Reg. No. 9198-252
EPA Est. No. 9198-OH-1M, 9198-OH-2B, 9198-AL-001A
Underlined letter is first letter used in run code on bag.

**KEEP OUT OF REACH OF CHILDREN
CAUTION PRECAUCION**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Causes moderate eye irritation. Harmful if swallowed or inhaled. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

Avoid breathing dust or spray mist and contact with eyes or clothing. Wash thoroughly with soap and water after handling.

**Personal Protective Equipment (PPE)
Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

First Aid

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

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

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 further 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 pesticide is extremely toxic to freshwater marine, and estuarine fish and aquatic invertebrates including shrimp and oyster. 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 in a manner which will directly expose canals, lakes, streams, ponds, marshes or estuaries to aerial drift. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Refer to label booklet for Directions for Use.

In case of emergency endangering health or the environment involving this product, call 1-800-757-8951. If you wish to obtain additional product information, visit our website at www.andersonsturf.com.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

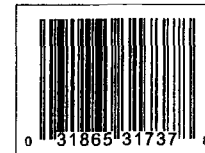
Manufactured by:
The Andersons Lawn Fertilizer Division, Inc.
P.O. Box 119, Maumee, OH 43537
www.andersonsturf.com

The Andersons logo is a registered trademark of The Andersons, Inc.; Treflox DG is a trademark of The Andersons, Inc.

**SGN 100
Net Wt. 25 Lbs. (11.34 kg)**

NOTIFICATION

OCT 06 2010



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Refer to inside of label booklet for additional precautionary information including Directions for Use.

Notice: Read the entire label. Use only according to label directions.

In case of emergency endangering health or the environment involving this product, call 1-800-757-8951. If you wish to obtain additional product information, visit our website at www.andersonsturf.com.

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Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements of this label about personal protective equipment (PPE), and restricted entry interval. The requirements in the box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

Non-Agricultural Use Requirements

The requirements of this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter or allow others to enter the treated area until dusts have settled.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep out of reach of children and animals. Store in original container only. Store in cool, dry place and avoid excess heat.

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: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Product Information

This product is a preemergence product for control of certain broadleaf weeds and annual grasses in container and landscape ornamentals, nursery stock, Christmas trees, groundcovers/perennials, non-bearing fruit and nut trees, non-bearing vineyards and non-cropland areas. Apply this product anytime prior to germination of target weeds, or immediately after cultivation. Length of weed control will vary with rate of this product applied, weed population, potting media or soil conditions, temperature, watering regime, and other factors. Following application, user should monitor and observe level of weed control over time to determine when additional applications may be needed.

Use Precautions and Restrictions

In Arizona: The state of Arizona has not approved this product for use on plants grown for agricultural/commercial production; such as on Christmas tree plantations, container grown or field grown ornamentals, non-bearing fruit and nut trees and non-bearing vineyards.

This product controls weeds growing from seed. This product does not control established weeds, weeds growing from stolons, rhizomes, or root pieces. Existing weeds should be controlled by cultivation or with postemergence herbicides. Weed residues, prunings and trash should be removed or thoroughly mixed into soil prior to treatment. Soil should be in good condition and free of clods at the time of application. A single rainfall or sprinkler irrigation of 0.5 inches or more, or flood irrigation is required to activate this product. Optimum weed control is obtained when this product is activated within 3 days of application. If rainfall or irrigation does not occur within 3 days of application and tillage is possible, this product may be activated using cultivation equipment capable of uniformly mixing the herbicide into the upper 1 to 2 inches of soil. Failure to activate this product within 3 days of application may result in erratic control of annual grasses. Do not apply when wind conditions favor drift of this product's granules from the target area.

Repeat applications at 150 lb per acre and higher should not be made sooner than 60 days after a previous application of this product. Do not apply over 600 pounds per acre total of this product within a 12-month period.

Tolerance of turfgrass adjacent to ornamental plantings: Accidental application to turf may occur when applying this product to ornamental plantings. This product is not recommended for weed control in turfgrasses, but turfgrasses are generally tolerant to small amounts of this product that fall outside of the intended area of application.

Do not aerially apply this product.

Treatment species not listed on the label for this product: Users who wish to use this product on plant species not recommended on this label may determine the suitability for use by treating a small number of such plants at a recommended rate. Prior to treatment of larger areas, the treated plants should be observed for any sign of herbicidal injury for during 30 to 60 days of normal growing conditions to determine if the treatment is safe to the target plant species. The user assumes responsibility for any plant damage or other liability resulting from use of this product on plant species not recommended on this label.

Application Instructions

Apply this product using a drop or rotary-type spreader designed to apply granular herbicides or insecticides. Calibrate application equipment prior to use according to manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly. Do not use spreaders that apply material in narrow concentrated bands. Avoid skips or overlaps as poor weed control or crop injury may occur. More uniform application may be achieved by spreading half of the required amount of product over the area and then applying the remaining half in swaths at right angles to the first.

Application Techniques for applying this product

- When using a drop-type spreader, a splashboard mounted under the hopper will provide more even granule distribution.
- A chain fastened to the side of the spreader and allowed to drag on the soil surface can be used to mark the edge of the treated swath and help prevent skips or overlaps.
- For treating smaller areas or rows of nursery stock or ornamental beds, a hand held or push-type rotary applicator such as a whirlybird or cyclone unit is recommended. For hand held units, walk and turn the crank at a constant rate of speed.

- A shaker-type applicator made from a small container with holes punched in the bottom is recommended for small, difficult to treat areas. Carefully measure the amount of product needed to avoid over application.
- The weight-to-volume conversion table below provides equivalent amounts of this product.

Broadcast Rates

Rate lb/Acre	Amount/1,000 sq ft		Amount/100 sq ft	
	(lb)	(quarts)	(lb)	(cups)
100	2.30	1.75	0.23	0.7
150	3.45	2.60	0.35	1.0
200	4.60	3.50	0.46	1.4

1 lb of this product = 0.75 quart = 3 cups

Weeds Controlled or Suppressed

Weeds controlled when applied at 100 lb per acre (2.3 lb per 1,000 sq ft):

Common Name	Scientific Name
aster, slender	<i>Aster exilis</i>
barnyardgrass	<i>Echinochloa crus-galli</i>
bluegrass, annual	<i>Poa annua</i>
bursage, annual	<i>Ambrosia acanthicarpa</i>
celery, wild	<i>Apium leptophyllum</i>
chickweed, common	<i>Stellaria media</i>
clover, white	<i>Trifolium repens</i>
crabgrass	<i>Digitaria</i> spp.
cudweed, purple	<i>Gnaphalium purpureum</i>
cupgrass, southwestern	<i>Eriochloa gracilis</i>
fiddleneck, coast	<i>Amsinckia intermedia</i>
filaree, redstem	<i>Erodium cicutarium</i>
fleabane, blackleaved	<i>Conyza bonariensis</i>
fleabane, dwarf	<i>Conyza ramosissima</i>
foxtail, yellow	<i>Setaria glauca</i>
groundcherry, lanceleaf	<i>Physalis lanceifolia</i>
henbit	<i>Lamium amplexicaule</i>
horseweed	<i>Conyza canadensis</i>
jungerice	<i>Echinochloa colonum</i>
knotweed, prostrate	<i>Polygonum aviculare</i>
lambquarters, common	<i>Chenopodium album</i>
mallow, little	<i>Malva parviflora</i>
mustard, Indian	<i>Brassica juncea</i>
mustard, wild	<i>Sinapis arvensis</i>
nightshade, black	<i>Solanum nigrum</i>
oat, wild	<i>Avena fatua</i>
panicum, fall	<i>Panicum dichotomiflorum</i>
pepperweed, Virginia	<i>Lepidium virginicum</i>
pigweed	<i>Amaranthus</i> spp.
pineappleweed	<i>Matricaria matricarioides</i>
plantain, slender	<i>Plantago elongata</i>
purslane, common	<i>Portulaca oleracea</i>
radish, wild	<i>Raphanus raphanistrum</i>
ragweed, common	<i>Ambrosia artemisiifolia</i>
rocket, London	<i>Sisymbrium irio</i>
rockpurslane, desert	<i>Calandrinia ciliata</i>
shepherdspurse	<i>Capsella bursa-pastoris</i>
sibara	<i>Sibara virginica</i>
smartweed, Pennsylvania	<i>Polygonum pensylvanicum</i>
sowthistle, annual	<i>Sonchus oleraceus</i>
speedwell, purslane	<i>Veronica peregrina</i>
sprangletop, Mexican	<i>Leptochloa univervia</i>
telegraphplant	<i>Heterotheca grandiflora</i>
thistle, Russian	<i>Salsola iberica</i>
witchgrass	<i>Panicum capillare</i>

Weeds controlled when applied at 150 lb per acre (3.5 lb per 1000 sq ft):

Common Name	Scientific Name
aster, heath	<i>Aster ericoides</i>
bittercress	<i>Cardamine oligosperma</i>
bittercress, hairy	<i>Cardamine hirsuta</i>
brassbuttons, southern	<i>Cotula australis</i>
carrot, wild	<i>Daucus carota</i>
slender bitter	<i>Phyllanthus urinaria</i>
chickweed, mouseear	<i>Cerastium vulgatum</i>
dandelion	<i>Taraxacum officinale</i>
eclipta	<i>Eclipta prostrata</i>
fireweed	<i>Erechtites hieracifolia</i>
foxtail, giant	<i>Setaria faberi</i>
galinsoga, hairy	<i>Galinsoga ciliata</i>
geranium, Carolin.	<i>Geranium carolinianum</i>
groundsel, common	<i>Senecio vulgaris</i>
ladysthumb	<i>Polygonum persicaria</i>
lettuce, prickly	<i>Lactuca serriola</i>
lovegrass	<i>Eragrostis</i> spp.
mallow, dwarf	<i>Malva rotundifolia</i>
marestail	<i>Hippuris vulgaris</i>

Common Name

mayweed
 morningglory, ivyleaf
 mustard, black
 pennywort
 phyllanthus, long-stalk
 plantain, bracted
 plantain, broadleaf
 plantain, buckhorn
 pokeweed, common
 rockpurslane, redmaids
 ryegrass, annual
 sida, prickly
 sorrell, red
 speedwell, thymeleaf
 spurge, hyssop
 spurge, spotted
 sweetclover, yellow
 tansymustard, green
 velvetleaf
 woodsorrel, yellow

Scientific Name

Anthemis cotula
Ipomoea hederacea
Brassica nigra
Hydrocotyle spp.
Phyllanthus tenellus
Plantago aristata
Plantago major
Plantago lanceolata
Phytolacca americana
Calandrinia ciliata var. *menziesii*
Lolium multiflorum
Sida spinosa
Rumex acetosella
Veronica serpyllifolia
Euphorbia hyssopifolia
Euphorbia maculata
Melilotus officinalis
Descurainia pinnata
Abutilon theophrasti
Oxalis stricta

Weeds controlled when applied at 200 lb per acre (4.6 lb per 1000 sq ft):

Common Name	Scientific Name
barley, hare	<i>Hordeum leporinum</i>
bromegrass	<i>Bromus</i> spp.
burclover, California	<i>Medicago polymorpha</i>
cheat	<i>Bromus secalinus</i>
datura	<i>Datura</i> spp.
dogfennel	<i>Eupatorium capillifolium</i>
eveningprimrose	<i>Oenothera</i> spp.
fescue, rattail	<i>Vulpia myuros</i>
filaree, whistestem	<i>Erodium moschatum</i>
goosefoot, nettleleaf	<i>Chenopodium murale</i>
goosegrass	<i>Eleusine indica</i>
jimsonweed	<i>Datura stramonium</i>
knotweed, silversheath	<i>Polygonum argyrocoleon</i>
kochia	<i>Kochia scoparia</i>
medic, black	<i>Medicago lupulina</i>
mullein, turkey	<i>Eremocarpus setigerus</i>
nettle, burning	<i>Urtica urens</i>
nettle, stinging	<i>Urtica dioica</i>
ox tongue, bristly	<i>Picris echioides</i>
pimpernel, scarlet	<i>Anagallis arvensis</i>
sandbur, field	<i>Cenchrus incertus</i>
signalgrass	<i>Brachiaria</i> spp.
sowthistle, spiny	<i>Sonchus asper</i>
spurge, petty	<i>Euphorbia pepulus</i>
spurge, prostrate	<i>Euphorbia humistrata</i>
stinkgrass	<i>Eragrostis cilianensis</i>
sunflower	<i>Helianthus</i> spp.
swinecress	<i>Coronopus didymus</i>
thistle, musk	<i>Carduus nutans</i>
willoweed, panicle	<i>Epiobium paniculatum</i>
woodsorrel, creeping	<i>Oxalis corniculata</i>

Weeds partially controlled or suppressed when applied at 200 lb per acre (4.6 lb per 1000 sq ft):

Common Name	Scientific Name
bindweed, field	<i>Convolvulus arvensis</i>
carpetweed	<i>Mollugo verticillata</i>
dock, curly	<i>Rumex crispus</i>
johnsongrass (seedling)	<i>Sorghum halepense</i>
mallow, Venice	<i>Hibiscus trionum</i>
milkweed, honeyvine	<i>Ampelamus albidus</i>
morningglory, tall	<i>Ipomoea purpurea</i>
panicum, Texas	<i>Panicum texanum</i>
pursley, Florida	<i>Richardia scabra</i>
shattercane	<i>Sorghum bicolor</i>

Uses

Ornamental Plantings

This product is recommended as a preemergence treatment for control of certain broadleaf weeds and annual grasses in container grown ornamentals, landscape ornamentals, field grown ornamentals, ground covers/perennials, Christmas trees, non-bearing fruit and nut crops, and non-bearing vineyards. Apply this product anytime prior to germination of target weeds, or immediately after cultivation.

Refer to the Product Information section of this label for Use Precautions and information on application, application rates and weeds controlled.

Special Use Precautions:

- To avoid possible injury, do not apply this product to:
 - nursery, forest, or Christmas tree: seedling beds, cutting beds, or transplant beds.
 - nursery seedbeds or forest or Christmas tree seedling transplant beds.
 - unrooted liners or cuttings that have been planted in pots for the first time.

- pots less than four inches wide.
- bedding plants or areas where bedding plants will be planted or transplanted within one year following application.
- groundcovers until they are established and well rooted.

Do not apply This product to newly transplanted ornamentals, nursery stock, Christmas trees, groundcovers, non-bearing fruit and nut trees and non-bearing vineyards until soil or potting media has been settled by packing and irrigation or rainfall and no cracks are present or injury may occur.

Repeat applications at 150 lb per acre and higher should not be made sooner than 60 days after a previous application of this product. Do not apply over 600 lb per acre total of this product within a 12-month period.

Where loss of stand has occurred in field grown ornamentals, use untreated soil as fill around roots when replacing plants or injury may occur.

Note: Injury on the following plant species has been observed following applications of this product and use is not recommended.

Common Name	Scientific Name
ballerina cranesbill	<i>Geranium cinereum 'Ballerina'</i>
bertram anderson lingwort	<i>Pulmonaria longifolia</i>
bugle	<i>Ajuga</i> spp.
cajeput tree	<i>Melaleuca quinquenervia</i>
candytuft	<i>Iberis</i> spp.
Carolina rhododendron	<i>Rhododendron carolinianum</i>
dwarf burning bush	<i>Euonymus alatus 'compacta'</i>
foxglove	<i>Digitalis purpurea</i>
green yucca	<i>Yucca recurvifolia</i>
hydrangea	<i>Hydrangea</i> spp.
luxuriant bleeding heart	<i>Dicentra luxuriant</i>
mountain sandwort	<i>Arenaria montana</i>
mustard	<i>Brassica</i> spp.
oak leaf acanthus	<i>Acanthus mollis</i>
prince of wales juniper	<i>Juniperus horizontalis 'Prince of Wales'</i>
purple coneflower	<i>Echinacea purpurea</i>
roseum elegans rhododendron	<i>Rhododendron catawbiense 'Roseum elegans'</i>
spurge	<i>Euphorbia</i> spp.
stonecrop	<i>Sedum</i> spp.
summer phlox	<i>Phlox paniculata</i>
white festival baby's breath	<i>Gypsophila paniculata</i>
wine periwinkle	<i>Vinca minor 'Atropurpurea'</i>

This product may be used on the following established plant species (Note: Limitations on recommended treatment methods):

Trees	Recommended Treatment Method: C = Container Grown F = Field Grown
<i>Abies balsamea</i>	C, F
<i>Abies concolor</i>	F
<i>Abutilon hybridum</i>	C, F
	C, F
	C, F
	C, F
	C, F
<i>Acer ginnala</i>	F
<i>Acer rubrum</i>	F
	F
<i>Acer saccharinum</i>	C, F
<i>Alsophila australis</i>	C, F
<i>Areacastum romanzoffianum</i>	C, F
<i>Betula nigra</i>	C, F
<i>Betula papyrifera</i>	F
<i>Brachychiton populneus</i>	C, F
<i>Bucida buceras</i>	C, F
<i>Ceratonia siliqua</i>	F
<i>Cercis canadensis</i>	C, F
<i>Chamaecyparis obtusa</i>	F
<i>Chamaecyparis obtusa</i>	F
<i>Chamaecyparis pisifera</i>	F
	F
<i>Chamaedorea cataractarum</i>	C, F
	C, F
<i>Chamaedorea costaricana</i>	C, F
<i>Chamaedorea elegans</i>	C, F
<i>Cornus florida</i>	C, F
	C, F
<i>Crataegus viridis</i>	F
<i>Cryptomeria japonica</i>	C, F
<i>Cupaniopsis anacardioides</i>	F
<i>Cupressocyparis x 'Emerald Isle'</i>	C, F
<i>Cupressus arizonica</i>	C, F
<i>Cupressus glabra</i>	F
<i>Cupressus sempervirens</i>	C, F
<i>Dicksonia antarctica</i>	C, F
<i>Elaeagnus angustifolia</i>	C, F
<i>Elaeagnus x 'Gilt edge'</i>	C, F

Trees (continued)

Scientific Name
Eucalyptus camaldulensis
Eucalyptus cinerea

Eucalyptus microtheca
Eucalyptus sideroxylon
Ficus benjamina

Fraxinus udhei
Ginkgo biloba
Gleditsia triacanthos

Heteromeles arbutiflora
Illicium floridanum
Juniperus virginiana
Liquidambar styraciflua
Magnolia grandiflora
Morus alba
Musa aluminata
Oxydendrum arboreum
Picea abies

Picea glauca
Picea glauca conica
Picea pungens

Pinus aristata
Pinus canariensis
Pinus contorta
Pinus eldarica
Pinus leucodermis
Pinus mugo
Pinus nigra
Pinus radiata
Pinus strobus
Pinus strobus
Pinus sylvestris

Pinus thunbergiana
Platanus occidentalis
Platanus racemosa
Podocarpus spp.
Populus deltoides
Prosopis chilensis
Prunus yedoensis
Quercus ilicifolia
Quercus palustris
Quercus phellos
Quercus rubra
Quercus virginiana
Salix babylonica

Sequoiadendron giganteum
Swietenia mahogani
Tabebuia caraiba
Tsuga canadensis
Ulmus parvifolia
Washingtonia robusta

Shrubs

Scientific Name
Abelia grandiflora

Acacia abyssinica
Acacia redolens
Acacia stenophylla
Acalypha wilkesiana
Acer ginnala
Acer palmatum

Agapanthus africanus
Agave americana
Anisodonteia hypomandarum
Aptenia cordifolia
Ardisia japonica
Astilbe arendsii
Astilbe chinensis
Athyrium nipponicum
Baccharis pilularis
Berberis gladywensisii
Berberis mentorensis

Recommended Treatment Method:
C = Container Grown
F = Field Grown

Common Name	Recommended Treatment Method: C = Container Grown F = Field Grown
red gum eucalyptus	F
eucalyptus, mealy	F
silver dollar eucalyptus	F
coolibah tree	C, F
eucalyptus, red ironbark	F
figus	C, F
mini ficus	C, F
shamel ash	C, F
ginkgo (maidenhair tree)	F
honey locust	F
shademaster honey locust	F
toyon	F
Florida anise-tree	C, F
redcedar, eastern	C, F
sweetgum, American	F
magnolia, southern	C, F
white mulberry	F
banana	C, F
sourwood	C, F
pendula-weeping Norway spruce	C, F
repens-spreading Norway spruce	C, F
spruce, Norway	C, F
conica-dwarf Alberta spruce	C, F
dwarf Alberta spruce	F
dwarf globe blue spruce	C, F
glauca-Colorado blue spruce	C, F
hoopsii-hoop's blue spruce	C, F
koster-koster blue spruce	F
bristlecone pine	F
canary island pine	F
shore pine, beach pine	F
eldarica pine	C, F
Bosnian pine	C, F
pumilio-shrubby swiss mountain pine	C, F
Austrian black pine	C, F
monterey pine	F
eastern white pine	C, F
white pine	C, F
columnar Scotch pine	C, F
Scotch pine	C, F
Japanese black pine	C, F
American sycamore	F
California sycamore	F
podocarpus	F
cottonwood	F
Chilean mesquite	C, F
yoshino flowering cherry	F
bear oak	F
pin oak	F
willow oak	C, F
red oak	C, F
live oak	C, F
babylon weeping willow	F
corkscrew willow	F
giant sequoia	F
mahogany	F
yellow tab	F
eastern hemlock	C, F
Chinese elm	F
Mexican fan palm	F

Recommended Treatment Method:
C = Container Grown
F = Field Grown

Common Name	Recommended Treatment Method: C = Container Grown F = Field Grown
edward goucher abelia	C, F
glossy abelia	C, F
abyssinica acacia	C, F
acacia, prostrate	C, F
shoestring acacia	C, F
copper leaf	C, F
amur maple	C, F
coral bark Japanese maple	C, F
dwarf Japanese maple	C, F
queen anne lily of the hill	C, F
century plant	F
cape mallow	C, F
red apple aptenia	C, F
chirimen marlberry	C, F
false spiraea	C, F
astilbe/false spirea	C, F
Japanese painted fern	C, F
coyotebush	F
william penn barberry	C, F
mentor barberry	C, F

Shrubs (continued) **Recommended Treatment Method:**
C = Container Grown
F = Field Grown

Scientific Name	Common Name	
<i>Berberis thunbergii</i>	aurea-golden Japanese barberry	F
	crimson pygmy barberry	C, F
	rose glow barberry	C, F
	atropurea-redleaf Japanese barberry	F
	cherry bomb barberry	C, F
<i>Bougainvillea</i> spp.	barbara karst	C, F
	California gold	C, F
	pink pixie	C, F
	scarlet o'hara	C, F
	temple fire	C, F
	Texas dawn	C, F
<i>Buxus</i> x 'Green velvet'	green velvet boxwood	C, F
<i>Buxus microphylla japonica</i>	boxwood, Japanese	C, F
<i>Buxus microphylla Koreana</i>	Korean boxwood	F
<i>Buxus sempervirens</i>	boxwood, common	C, F
<i>Callistemon citrinus</i>	bottlebrush, lemon	F
<i>Callistemon viminalis</i>	weeping bottlebrush	C, F
<i>Calluna vulgaris</i>	spring torch Scotch heather	C, F
<i>Camellia japonica</i>	camellia	C, F
<i>Caryopteris x clandonen</i>	dark knight bluebeard	C, F
<i>Cassia artemisioides</i>	cassia, feathery	C, F
<i>Ceanothus</i> spp.	wild lilac	F
<i>Cephalotaxus drupacae</i>	plum yew	C, F
<i>Cerastium tomentosum</i>	snow-in-summer	C, F
<i>Chamaecyparis obtusa</i>	kosteri cypress	C, F
	nana-dwarf hinoki cypress	C, F
	torulosa cypress	C, F
<i>Chamaecyparis pisifera</i>	baileyi-dogwood	F
	flaviramea-dogwood	F
	squarrosa minima cypress	C, F
	filifera-thread cypress	C, F
<i>Chamaecyparis pisifera</i> spp.	areca palm	F
<i>Chrysalidocarpus lutescens</i>	summersweet	C, F
<i>Clethra alnifolia</i>	cleysera, Japanese	C, F
<i>Cleyera japonica</i>	pink breath of heaven	C, F
<i>Coleonema pulchrum</i>	bush morning glory	C, F
<i>Convolvulus cneorum</i>	sibirica-Siberian dogwood	C, F
<i>Cornus alba</i>	baileyi-red-osier dogwood	F
<i>Cornus stolonifera</i>	flaviramea-yellowtwig dogwood	F
	royal purple smoke tree	C, F
<i>Cotinus coggygria</i>	coral beauty smoke tree	C, F
<i>Cotinus dammeri</i>	eichholz smoke tree	C, F
<i>Cotoneaster adpressus</i>	praecox-early cotoneaster	C, F
<i>Cotoneaster apiculatus</i>	cotoneaster, cranberry	C, F
<i>Cotoneaster congestus</i>	cotoneaster, Pyrenees	C, F
<i>Cotoneaster dammeri</i>	cotoneaster, bearberry	C, F
<i>Cotoneaster himalayana</i>	Himalayan cotoneaster	C, F
<i>Cotoneaster horizontalis</i>	cotoneaster, rock	C, F
<i>Cotoneaster opiculata</i>	cotoneaster	C, F
<i>Cycas revoluta</i>	sago palm	C, F
<i>Cytisus praecox</i>	hollandia-warminster broom	C, F
<i>Cytisus scoparius</i>	lena-Scotch broom	C, F
<i>Cytisus</i> spp.	hollandia-Scotch broom	F
<i>Daphne odora</i>	fragrant daphne	C, F
<i>Deutzia crenata</i>	nakiana-dwarf deutzia	C, F
<i>Deutzia gracilis</i>	slender gracilis	C, F
<i>Dodonea viscosa</i>	hopseed bush	F
<i>Elaeagnus pungens</i>	fruitland silver berry	C, F
<i>Erica cinerea</i>	purple bell heather	C, F
<i>Erica vagans</i>	cornish heather	C, F
<i>Erica x darleyensis</i>	Mediterranean pink heather	C, F
<i>Eugenia myrtifolia</i>	dwarf brush cherry	C, F
<i>Euonymus x 'Aureo variegatus'</i>	gold spot euonymus	C, F
<i>Euonymus x 'Olivaceo'</i>	chollipo euonymus	C, F
<i>Euonymus fortunei</i>	canadale gold euonymus	C, F
	emerald'n gold euonymus	F
	sunspot euonymus	C, F
<i>Euonymus japonica</i>	silver king euonymus	F
	variegated evergreen euonymus	C, F
<i>Euonymus kiatschovici</i>	spreading euonymus	C, F
<i>Euonymus vegetus</i>	bigleaf wintercreeper	C, F
<i>Euforbia pectinatus</i>	dwarf euryops	C, F
<i>Fatsia japonica</i>	Japanese aralia	C, F
<i>Felicia ameloides</i>	blue marguerite	C, F
<i>Forsythia intermedia</i>	forsythia, border	C, F
<i>Forsythia x 'Spring glory'</i>	spring glory forsythia	C, F
<i>Gardenia jasminoides</i>	august beauty gardenia	C, F
	gardenia	C, F
	radican gardenia	C, F
<i>Gaultheria shallon</i>	saial/lemon leaf	C, F
<i>Gelsemium sempervirens</i>	Carolina jessamine	C, F
<i>Genista pilosa</i>	woadwaxen	C, F
<i>Hibiscus rosa-sinensis</i>	ross estey-hibiscus	C, F

Shrubs (continued) **Recommended Treatment Method:**
C = Container Grown
F = Field Grown

Scientific Name	Common Name	
<i>Hibiscus syriacus</i>	rose of sharon, red bird	C, F
	rose of sharon, red heart	F
	rose of sharon, woodbridge	C, F
	rose of sharon, aphrodite	C, F
	rose of sharon, helene	C, F
<i>Ilex aquifolium</i>	Balkans holly	F
	gold coast holly	F
<i>Ilex aquipernyi</i>	san jose holly	C, F
<i>Ilex attenuata</i>	savannah holly	C, F
<i>Ilex cornuta</i>	burford holly	C, F
	dwarf burford holly	C, F
	needle point holly	C, F
<i>Ilex crenata</i>	compacta-dwarf Japanese holly	C, F
<i>Ilex crenata</i>	convexa holly	C, F
	dwarf Chinese holly	C, F
	green luster holly	C, F
	hellerei-heller's Japanese holly	C, F
	hetzii's Japanese holly	C, F
	stokesii Japanese holly	C, F
<i>Ilex glabra</i>	compacta-compact inkberry holly	C, F
	nordica-inkberry holly	C, F
<i>Ilex meserveae</i>	blue boy holly	C, F
	blue girl holly	C, F
	China boy holly	C, F
	China girl holly	C, F
	ebony magic holly	F
<i>Ilex vomitoria</i>	nana-dwarf yaupon holly	C, F
	pendula-weeping yaupon holly	C, F
	yaupon holly	C, F
<i>Illicium annisatum</i>	mystery gardenia	C, F
<i>Itea ilicifolia</i>	henry garnet holly leaf sweetspire	C, F
<i>Ixora colinaea</i>	ixora	C, F
<i>Juniperus chinensis</i>	hollywood juniper	C, F
	media-old gold juniper	C, F
	pfitzer juniper	C, F
	pfitzerana glauca-blue juniper	C, F
	pfitzerana-pfitzer juniper	C, F
	sea green juniper	F
	torulosa-hollywood juniper	C, F
<i>Juniperus conferta</i>	emerald sea shore juniper	C, F
	shore juniper	C, F
<i>Juniperus horizontalis</i>	andorra juniper	C, F
	bar harbor juniper	C, F
	blue chip juniper	C, F
	blue rug juniper	C, F
	creeping juniper	C, F
	dwarf andorra juniper	C, F
	huntington blue juniper	C, F
	plumosa-andorra juniper	C, F
	wiltonii-blue carpet juniper	C, F
<i>Juniperus procumbens</i>	nana-dwarf Japanese garden juniper	C, F
<i>Juniperus prostrata</i>	prostrata juniper	C, F
<i>Juniperus sabina</i>	broadmoor juniper	C, F
	foemina-hicks juniper	C, F
	savin juniper	C, F
	tamariscifolia-tam juniper	C, F
<i>Juniperus scopulorum</i>	emerald green juniper	F
<i>Juniperus squamata</i>	blue juniper	C, F
	blue star juniper	C, F
	parsonii juniper	C, F
<i>Kalmia latifolia</i>	laurel, mountain	C, F
<i>Lagerstroemia indica</i>	crepe myrtle	C, F
<i>Lantana</i> spp.	lantana	C, F
<i>Lavandula angustifolia</i>	English lavender	C, F
<i>Lavandula latifolia</i>	English spike lavender	C, F
<i>Lavandula officianalis</i>	English lavender	C, F
<i>Leptospermum scoparium</i>	New Zealand tea tree	C, F
<i>Leucothoe axillaris</i>	leucothoe, coast	C, F
<i>Leucothoe fontanesiana</i>	leucothoe, drooping	C, F
<i>Ligustrum japonicum</i>	privet, Japanese	C, F
	wax ligustrum	C, F
	yellow tip ligustrum	C, F
<i>Ligustrum lucidum</i>	privet, glossy	C, F
<i>Ligustrum ovalifolium</i>	California privet	F
<i>Ligustrum texanum</i>	howardi privet	C, F
	wax leaf privet	C, F
<i>Ligustrum vicaryi</i>	privet, golden	F
	vicary golden privet	F
<i>Ligustrum vulgare</i>	lodgepole privet	C, F
<i>Livistona chinensis</i>	Chinese fountain palm	F
<i>Lonicera fragrantissima</i>	winter honeysuckle	C, F
<i>Lonicera periclymenum</i>	flowering woodbine	C, F
	serotina woodbine	C, F
<i>Lonicera sempervirens</i>	trumpet honeysuckle	C, F
<i>Loropetalum chinense</i>	fringe flower	C, F

Shrubs (continued)

Recommended Treatment Method:
C = Container Grown
F = Field Grown

Scientific Name	Common Name	
<i>Mahonia aquifolium compacta</i>	dwarf Oregon grape	C, F
<i>Mahonia bealei</i>	leather leaf mahonia	C, F
<i>Mahonia repens</i>	creeping mahonia	C, F
<i>Myrica cerifera</i>	wax myrtle	C, F
<i>Nandina domestica</i>	compacta-dwarf heavenly bamboo	C, F
	harbour dwarf-heavenly bamboo	C, F
	heavenly bamboo (nandina)	C, F
	nana compacta-heavenly bamboo	C, F
	nana purpurea-heavenly bamboo	C, F
	woods dwarf-heavenly bamboo	C, F
<i>Nerium oleander</i>	hardy red oleander	C, F
	oleander	C, F
	ruby lace oleander	C, F
<i>Osmanthus fortunei</i>	fortunes osmanthus	C, F
<i>Pachysandra terminalis</i>	Japanese spurge	C, F
<i>Phoenix roelofenii</i>	pigmy date palm	C, F
<i>Photinia fraseri</i>	fraser's photinia	C, F
<i>Pieris japonica</i>	lily-of-the-valley	C, F
	mountain fire lily-of-the-valley	C, F
	snowdrift lily-of-the-valley	C, F
	temple bells lily-of-the-valley	C, F
	valley rose lily-of-the-valley	C, F
	valley valentine lily-of-the-valley	C, F
<i>Pieris japonica x forestii</i>	forest flame lily-of-the-valley	C, F
<i>Pinus mugo</i>	mugo-mugho pine	C, F
<i>Pittosporum tobira</i>	green pittosporum	C, F
	wheeler's dwarf pittosporum	C, F
<i>Plumbago ariculata</i>	blue cape plumbago	F
<i>Plumbago capensis</i>	plumbago	C, F
<i>Podocarpus macrophyllus</i>	yewpine	C, F
<i>Polygala dalmaisiana</i>	sweet pea shrub	C, F
<i>Polystichum polyblepharum</i>	tassel fern	C, F
<i>Potentilla fragiformis</i>	cinquefoil	F
<i>Potentilla fruticosa</i>	cinquefoil	C, F
	gold drop potentilla	F
	goldfinger potentilla	C, F
	red ace potentilla	C, F
	sunset potentilla	C, F
<i>Potentilla verna</i>	tangerine potentilla	C, F
<i>Prunus glandulosa</i>	spring cinquefoil	C, F
<i>Pyracantha fortuneana</i>	dwarf pink flowering almond	C, F
	lolendei monrovia pyracantha	C, F
	monon pyracantha	F
	red elf hybrid pyracantha	F
	rutgers hybrid pyracantha	C, F
	santa cruz pyracantha	C, F
	victory pyracantha	F
<i>Rhaphiolepis indica</i>	charisma-monruce raphiolepis	C, F
	enchantress-moneess raphiolepis	F
	raphiolepis (India hawthorn)	C, F
	springtime-monme raphiolepis	F
<i>Rhaphiolepis ovata</i>	roundleaf raphiolepis	C, F
<i>Rhododendron calendulaceum</i>	cannon's double azalea	C, F
	flame azalea	F
	golden flare azalea	C, F
	Klondike azalea	C, F
<i>Rhododendron campylocarpum</i>	butterfly rhododendron	F
<i>Rhododendron carolinianum x daurium</i>	PJM rhododendron	C, F
<i>Rhododendron catawbiense</i>	catawba album rhododendron	C, F
	catawba rhododendron	C, F
	lord roberts rhododendron	C, F
	rocket rhododendron	C, F
<i>Rhododendron caucasicum x ponticum</i>	cunningham white rhododendron	C, F
<i>Rhododendron exbury</i>	cannon's double azalea	C, F
	golden flare azalea	C, F
	Klondike azalea	C, F
	gomer waterer rhododendron	C, F
<i>Rhododendron forrestii repens</i>	elizabeth rhododendron	C, F
<i>Rhododendron forrestii x griersonianum</i>	jean marie rhododendron	C, F
<i>Rhododendron griffithianum</i>	America rhododendron	C, F
<i>Rhododendron hybrid spp.</i>	English roseum rhododendron	F
	nova zembra rhododendron	C, F
	scintillation rhododendron	C, F
<i>Rhododendron impeditum</i>	rhododendron	C, F
<i>Rhododendron indica</i>	formosa azalea	C, F
<i>Rhododendron indica</i>	waucubusa azalea	C, F
<i>Rhododendron kaempferi</i>	blue danube azalea	C, F
<i>Rhododendron kerume</i>	coral bells azalea	C, F
	hino crimson azalea	C, F
	hino pink azalea	C, F
	mildred azalea	C, F
	snow azalea	C, F
<i>Rhododendron maximum</i>	rhodie max (rosebay)	C, F
<i>Rhododendron mucronulatum</i>	rhododendron	F
<i>Rhododendron obtusum</i>	hino-crimson azalea	C, F

Shrubs (continued)

Recommended Treatment Method:
C = Container Grown
F = Field Grown

Scientific Name	Common Name	
<i>Rhododendron ponticum</i>	chionoides rhododendron	C, F
<i>Rhododendron ponticum</i>	daphnoides rhododendron	C, F
<i>Rhododendron x 'purple gem'</i>	purple gem rhododendron	C, F
<i>Rhododendron racemosum</i>	dwarf scarlet wonder rhododendron	C, F
	tribly rhododendron	C, F
	unique rhododendron	C, F
	volcan rhododendron	C, F
<i>Rhododendron sassthigiatim x carolinianum</i>	ramapo rhododendron	C, F
<i>Rhododendron satsumi</i>	gumpo pink azalea	C, F
	higasa azalea	F
	reijn azalea	C, F
<i>Rhododendron spp. hybrids</i>	carior azalea	C, F
	fashion azalea	C, F
	gerard christina azalea	F
	girard roberta azalea	C, F
	golden flare exbury azalea	F
	helmut vogel azalea	F
	hershey red azalea	F
	hot shot azalea	C, F
	hume azalea	F
	inga azalea	F
	irene koster azalea	C, F
	president clay azalea	C, F
	tradition azalea	C, F
	sumac, African	C, F
	ramanas rose	C, F
	rosemary	F
<i>Rhus lancea</i>	dusty-miller/silver ragweed	C, F
<i>Rosa rugosa</i>	Japanese skimmia	C, F
<i>Rosmarinus officinalis</i>	reeve's skimmia	C, F
<i>Senecio cineraria</i>	Paraguay nightshade	C, F
<i>Skimmia japonica</i>	anthony waterer spiraea	C, F
<i>Skimmia revesiana</i>	first snow spiraea	C, F
<i>Solanum rantonetii</i>	dolchia spiraea	C, F
<i>Spiraea bumalda</i>	Japanese alpine spiraea	C, F
<i>Spiraea x cinerea 'Grefsheim'</i>	shirobana spiraea	C, F
<i>Spiraea japonica</i>	bridal wreath	C, F
	Chinese lilac	C, F
	lilac, common	F
	yew, Japanese	F
<i>Spiraea vanhouttei</i>	cape honeysuckle	C, F
<i>Syringa rothomagensis</i>	ternstroemia, Japanese	C, F
<i>Syringa vulgaris</i>	emerald arborvitae	C, F
<i>Taxus cuspidata</i>	globosa-globe arborvitae	C, F
<i>Tecomaria capensis</i>	little giant-dwarf arborvitae	C, F
<i>Ternstroemia gymnanthera</i>	nigra-dark American arborvitae	C, F
<i>Thuja occidentalis</i>	pyramidalis arborvitae	C, F
	rheingold arborvitae	C, F
	techny arborvitae	F
	woodwardii arborvitae	C, F
<i>Thuja orientalis</i>	aureus nana-dwarf golden arborvitae	C, F
	minima glauca-dwarf arborvitae	C, F
	Christmas palm	F
<i>Veitchia merrilli</i>	pink dawn viburnum	C, F
<i>Viburnum bodnantense</i>	Koreanspice viburnum	C, F
<i>Viburnum carlesii</i>	david viburnum	C, F
<i>Viburnum davidii</i>	viburnum	F
<i>Viburnum japonicum</i>	viburnum	F
<i>Viburnum judd (v. X juddii)</i>	viburnum	C, F
<i>Viburnum lantana</i>	wayfaring tree	F
<i>Viburnum opulus sterile</i>	common snowball viburnum	F
<i>Viburnum plicatum tomentosum</i>	doublefile viburnum	C, F
<i>Viburnum setigerum</i>	tea viburnum	F
<i>Viburnum tinus compactum</i>	spring bouquet viburnum	F
<i>Viburnum trilobum</i>	cranberry bush	C, F
<i>Viburnum trilobum compactum</i>	dwarf cranberry bush	C, F
<i>Viburnum x pragensis</i>	viburnum	C, F
<i>Weigela florida</i>	bristol ruby weigela	C, F
	java red weigela	C, F
	minuet weigela	C, F
<i>Xylosma congestum</i>	xylosma	C, F
<i>Yucca filamentosa</i>	yucca	C, F

Groundcovers/Perennials

Recommended Treatment Method:
C = Container Grown
F = Field Grown

Scientific Name	Common Name	
<i>Achillea millefolium</i>	common yarrow	C, F
<i>Agapanthus africanus</i>	lily of the Nile	C, F
<i>Agapanthus 'Peter Pan'</i>		C, F
<i>Astroemeria aurea</i>	Peruvian lily	C, F
<i>Ammophila breviflulata</i>	beechgrass	C, F
<i>Antirrhinum majus</i>	snapdragon	C, F

Groundcovers/Perennials (continued) **Recommended Treatment Method:**
C = Container Grown
F = Field Grown

Scientific Name	Common Name	
<i>Arctotheca calendula</i>	cape weed	F
<i>Argyranthemum frutescens</i>	Paris daisy	C, F
<i>Artemisia schmidtiana</i>	angels' hair	C, F
<i>Asparagus retrofractus</i>	fern	C, F
<i>Asteriscus maritimus</i>	gold coin daisy	C, F
<i>Astilbe Deutschland</i>	deutschland astilbe	C, F
<i>Asparagus retrofractus</i>		C, F
<i>Asparagus variegata</i>	tree fern	C, F
<i>Aster novae-angliae</i>	New England aster	C, F
<i>Aster novi-belgii</i>	New York aster	C, F
<i>Begonia cordifolia</i>	heartleaf begonia	C, F
<i>Begonia semperflorens</i>	white ambassador begonia	C, F
<i>Bidens ferulifolia</i>	peter's gold bidens	C, F
<i>Brachycome x 'New amethyst'</i>	swan river daisy new amethyst	C, F
<i>Callistephus chinensis</i>	China aster	C, F
<i>Carex</i> spp.	sedge	C, F
<i>Carpobrotus edulis</i>	ice plant, largeleaf	F
<i>Catharanthus roseus</i>	Madagascar periwinkle	C, F
<i>Cerastium tomentosum</i>	snow in the summer	C, F
<i>Ceratostigma plumbaginoides</i>	dwarf plumbago	C, F
<i>Chrysanthemum morifolium</i>	florist's chrysanthemum	C, F
<i>Chrysanthemum</i> sp.	chrysanthemum species	C, F
<i>Clematis integrifolia caerulea</i>	blue bell clematis	C, F
<i>Clivia miniata</i>	kafir lily	C, F
<i>Coreopsis verticillata</i>	coreopsis, threadleaf	C, F
<i>Cortaderia selloana</i>	pampas grass	C, F
<i>Cuphea hyssopifolia</i>	false or Mexican heather	C, F
<i>Cyperus albobstratus</i>	dwarf umbrella grass	C, F
<i>Dahlia x 'Royal dahlia pink'</i>	dwarf dahlia wendy pink	C, F
<i>Delosperma alba</i>	white iceplant	F
<i>Descampsia caespitosa</i>	descampsia	C, F
<i>Dianthus gratianopolitanus</i>	crimson treasure cheddar pink	C, F
<i>Dietes vegeta</i>	fortnight lily	C, F
<i>Drosanthemum floribundum</i>	trailing rosea iceplant	F
<i>Drosanthemum hispidum</i>	iceplant	C, F
<i>Ensete ventricosum</i>	red abyssinian banana	C, F
<i>Equisetum scirpoides</i>	dwarf horsetail	C, F
<i>Eranthus ravennae</i>	hardy pampasgrass	C, F
<i>Erysimum 'Bowles mauve'</i>	wallflower	C, F
<i>Euryops pectinatus</i>	dwarf euryops	C, F
<i>Eustoma grandiflorum</i>	pink lisianthus	C, F
<i>Festuca ovina glauca</i>	blue fescue	C, F
<i>Fuchsia x 'Santa Claus'</i>	santa claus fuchsia	C, F
<i>Gaillardia aristata</i>	blanket flower	C, F
<i>Gaillardia grandiflora</i>	goblin blanket flower	C, F
<i>Gaura lindheimeri</i>	gaura	C, F
<i>Gazania rigens leucolaena</i>	gazania, trailing	C, F
<i>Gazania</i> spp.	gazania	C, F
<i>Geranium incanum</i>	cranesbill	C, F
<i>Geranium subcaulescens</i>	blackeyed magenta cranesbill	C, F
<i>Hakonechloa macroaureola</i>	golden hakonechloa	C, F
<i>Hedera canariensis</i>	ivy, Algerian	F
<i>Hedera helix</i>	ivy, English	C, F
<i>Helichrysum petiolatum</i>	white licorice plant	C, F
<i>Hemerocallis</i> spp.	daylily	C, F
<i>Hesperaloe parviflora</i>	red yucca	C, F
<i>Heuchera americana</i>	palace purple	C, F
<i>Heuchera micrantha</i>	coral bells	C, F
<i>Hippeastrum hybrid</i>	amaryllis	C, F
<i>Hosta 'Francee'</i>	francee plantain lily	C, F
<i>Hosta lancifolia</i>	albo-marginata hosta	C, F
<i>Hosta 'Patriot'</i>	patriot plantain lily	C, F
<i>Hymenoxys acaulis</i>	angelita daisy	C, F
<i>Hypericum</i> spp.	St. Johnswort	C, F
<i>Impatiens walleriana</i>	busy lizzie	C, F
<i>Impatiens</i> spp.	yellow dwarf bearded iris	C, F
<i>Iris sibirica</i>	blue siberian iris	C, F
<i>Jasminum nitidum</i>	angelwing jasmine	C, F
<i>Lampranthus speciosus</i>	trailing iceplant	F
<i>Leptospermum scoparium</i>	broom teatree/manuka	C, F
<i>Liatris spicata</i>	gay feather	C, F
<i>Limonium perezii</i>	statice	C, F
<i>Liriodendron giganteum</i>	white lily turf	C, F
<i>Liriope muscari</i>	lilac beauty lily turf	C, F
	majestic lily turf	C, F
	monroe white lily turf	C, F
	silvery sunproof lily turf	C, F
	variegated liriope lily turf	C, F
	big blue lily turf	C, F
	green/creeping lily turf	C, F
<i>Liriope spicata</i>	lobelia	C, F
<i>Lobelia erinus</i>		C, F
<i>Lobularia maritima</i>	sweet alyssum	C, F
<i>Lonicera japonica</i>	honeysuckle, Japanese	F
<i>Lysimachia punctata</i>	dotted loosestrife	C, F
<i>Mathiola incana</i>	stock	C, F

Groundcovers/Perennials (continued) **Recommended Treatment Method:**
C = Container Grown
F = Field Grown

Scientific Name	Common Name	
<i>Miscanthus sinensis</i>	eulalia grass	C, F
<i>Monarda didyma</i>	bee balm	C, F
<i>Moraea indidodes</i>	African iris	C, F
<i>Oenothera speciosa</i>	siskiyou evening primrose	C, F
<i>Ophiopogon japonicus</i>	dwarf mondo grass	C, F
	mondo grass	C, F
<i>Osteospermum fruticosum</i>	freeway daisy	C, F
<i>Pachysandra terminalis</i>	Japanese spurge	C, F
<i>Parthenocissus quinquefolia</i>	Virginia creeper	C, F
<i>Pelargonium x hortorum</i>	zonal geranium	C, F
<i>Pelargonium peltatum</i>	ivy geranium	C, F
<i>Pennisetum alopecuroides</i>	fountain grass	C, F
<i>Pennisetum setaceum</i>	chrimson fountaingrass	C, F
<i>Pentas lanceolata</i>	star cluster	C, F
<i>Penstemon x 'Apple blossom'</i>	apple blossom penstemon	C, F
<i>Penstemon gentianoides</i>	hartwig penstemon	C, F
<i>Perovskia atriplicifolia</i>	Russian sage	C, F
<i>Petunia</i> -hybrids	garden petunias	C, F
<i>Phalaris arundinacea picta</i>	ribbon grass	C, F
<i>Ratibida columnifera</i>	Mexican hat	C, F
<i>Rudbeckia fulgida</i>	blackeyed susan	C, F
<i>Rudbeckia hirta</i>	blackeyed susan	C, F
<i>Ruellia brittoniana</i>	dwarf katie ruellia	C, F
<i>Salvia grahamii</i>	graham's sage	C, F
<i>Salvia leucantha</i>	Mexican bush sage	C, F
<i>Sedum x 'Autumn joy'</i>	autumn joy stonecrop	C, F
<i>Sedum x 'Vera jameson'</i>	vera jameson stonecrop	C, F
<i>Targetes patula 'Little hero'</i>	little hero marigold	C, F
<i>Trachelospermum asiaticum</i>	asian jasmine	C, F
<i>Tulbaghia violacea</i>	society garlic	C, F
<i>Verbena peruviana</i>	st. paul verbena	C, F
<i>Vinca major</i>	periwinkle, bigleaf	C, F
<i>Vinca minor</i>	periwinkle, dwarf	F
<i>Vinca</i> spp.	periwinkle	F
<i>Zinnia elegans</i>	dwarf zinnia	C, F

Non-Bearing Fruit and Nut Trees **Recommended Treatment Method:**
Non-Bearing Vineyards¹ C = Container Grown
F = Field Grown

Common Name	
almond	F
apple	F
apricot	F
avocado	F
blackberry	F
blueberry	F
boysenberry	F
cherry, sour	F
cherry, sweet	F
currant	F
dewberry	F
elderberry	F
fig	F
filbert	F
gooseberry	F
grape, American	F
grape, European	F
grapefruit	F
kiwi	F
lemon	F
loganberry	F
macadamia nut	F
nectarine	F
olive	F
orange	F
peach	F
pear	F
pecan	F
pistachio	F
plum	F
pomegranate	F
prune	F
raspberry	F
walnut, black	F
walnut, English	F

¹Non-bearing fruit and nut trees and non-bearing vineyards are defined as plants which will not bear fruit for at least one year after treatment.

Ornamental Bulbs

Do not use this product in bulb production fields. For use in landscape settings only.

This product may be applied for control of susceptible annual weeds in ornamental bulbs, e.g., bulbous iris, daffodil (narcissus), hyacinth and tulip. Apply this product

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to the soil surface 2 to 4 weeks after planting, but prior to the emergence of annual weeds. This product may also be applied following bulb emergence but prior to flowering and after flowering. For fall planted bulbs, apply this product again in late winter or early spring to weed-free soil surfaces.

Special Use Precautions:

Do not apply to tulip plants that have emerged to a height greater than 3/4 inch. Do not apply to gladiolus prior to emergence or if corms are less than one inch in diameter. Do not apply to bulbs while they are flowering.

Shadehouse Areas

This product may be applied in open shadehouse-type structures where the natural flow of air is unimpeded. Do not apply in enclosed greenhouses or in enclosed shadehouse-type structures. Do not apply within three weeks prior to enclosing greenhouse or poly-type structures.

Non-Cropland

This product is recommended as a preemergence treatment for control of certain broadleaf weeds and annual grasses on non-cropland areas such as industrial sites, utility substations, highway guardrails, sign posts, delineators, etc. Apply this product anytime prior to germination of target weeds. Areas to be treated should be free of established weeds or existing weeds should be controlled with postemergence herbicides.

Refer to the Product Information section of this label for Use Precautions and information on Application, Application Rates, and Weeds Controlled.

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.

Manufactured by:
The Andersons Lawn Fertilizer Division, Inc.
P.O. Box 119
Maumee, OH 43537
www.andersonsturf.com

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**APTDGTX2-H10
(APTDGTXBOOK)**

SUGGESTED SPREADER SETTINGS						
These spreader settings are not intended to replace calibration. Please calibrate your spreader before applying product.						
25 lbs. treats 8,300 sq. ft. (0.19 acre) at the LOW RATE (3.0 lbs/1,000 Sq. Ft.)						
25 lbs. treats 7,100 sq. ft. (0.16 acre) at the MEDIUM RATE (3.5 lbs/1,000 Sq. Ft.)						
25 lbs. treats 6,200 sq. ft. (0.14 acre) at the HIGH RATE (4.0 lbs/1,000 Sq. Ft.)						
25 lbs. treats 5,500 sq. ft. (0.13 acre) at the HEAVY RATE (4.5 lbs/1,000 Sq. Ft.)						
SPREADER	GROUND SPEED	WIDTH OF COVERAGE	SPREADER SETTINGS			
			LOW RATE 3.0 lbs/1,000 sq. ft.	MEDIUM RATE 3.5 lbs/1,000 sq. ft.	HIGH RATE 4.0 lbs/1,000 sq. ft.	HEAVY RATE 4.5 lbs/1,000 sq. ft.
Andersons AccuPro 2000, SR-2000 (cone 8)	3 mph	9 feet	J 1/2	K	K 1/2	L
Andersons SS-2 Drop	3 mph	overlap wheels	3 1/4	3 3/4	4 1/4	4 3/4
Scotts R-8, R-8A (cone 8)	3 mph	9 feet	I	I 1/2	J	J 1/2
Lesco 020093 (pattern 0.5)	3 mph	7 feet	E	E 1/2	F	F 1/2
Lesco 705698 (pattern 0.5)	3 mph	8 feet	12	13	14	15
Lejy Models WTR, WFT, HR, 1250 (PTO at 450 rpm) Pattern III-A	4.5 mph	27 feet	4	4 1/4	4 1/2	4 3/4
Vicon (03 series)	4.5 mph	22 feet	16	18	20	22

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