

34704-917

03/20/2006

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
34704-917

Date of Issuance:
MAR 20 2006

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:
Conditional

Name of Pesticide Product:
Isoxaben 75DF
Specialty Herbicide

Name and Address of Registrant (include ZIP Code):

Loveland Products, Inc.
P.O. Box 1286
Greeley, Colorado 80632-1286

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Add the phrase "EPA Registration No.34704-917" to the label before you release the product for shipment.

COMMENTS CONTINUED ON PAGE 2 OF THIS NOTICE OF REGISTRATION

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product under the enclosed stamped copy of the label constitutes acceptance of these conditions.

Enclosure

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

Signature of Approving Official:

Joanne I. Miller

Date:

MAR 20 2006

2. Revise the listing of weeds controlled by listing the Common Name and Scientific Name, respectively under two separate columns; and trees and shrubs, Scientific Name, Common Name and Recommended Treatment Method: C = Container Grown, F=Field Grown, respectively under three columns; and Non-bearing Trees and Vines under Common Name and Recommended Treatment Method; C = Container Grown, F = Field Grown under two separate columns.
4. The label must show the "Net Contents _____" of the packaged product on the front panel.
5. Paginate the revised accepted labeling under this Notice of Registration.
6. Submit one (1) copy of the final printed labeling before you release this product for shipment.
7. Submit and/or cite all data required for the registration of this product when the Agency requires all registrants of similar products to submit data; and submit acceptable responses required for reregistration of this product under FIFRA, section 4.
A stamped copy of the label is enclosed for your records.

Enclosure

Isoxaben 75DF Specialty Herbicide

A preemergence herbicide for control of certain broadleaf weeds in: Established turf, Landscape ornamentals, Container grown ornamentals, Field grown ornamentals, Ground covers/Perennials, Non-cropland, Ornamental bulbs, Non-bearing fruit and nut trees and non-bearing vineyards, Christmas tree/Conifer plantations

Active Ingredient:

Isoxaben: N-[3-(1-ethyl-1-methylpropyl)-5-isoxazolyl]-2,6-dimethoxybenzamide and isomers 75%

Inert Ingredients 25%

Total 100%

Contains 0.75 pound active ingredient per pound.

U.S. Patent Nos. 5,086,184 and 4,636,243

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.)

EPA Reg. No. 34704-

EPA Est. No.: _____

Net Weight _ lb.

ACCEPTED
with COMMENTS
In EPA Letter Dated:
MAR 20 2006



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

34 704 - 917

Notice: Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies at end of label booklet. If terms are unacceptable, return at once unopened.**

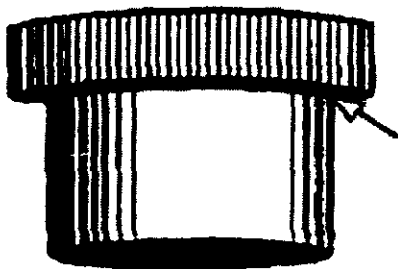
Refer to inside of label booklet for additional precautionary information including Personal Protective Equipment (PPE) and User Safety Recommendations, and Direction for Use including Storage and Disposal.

Agricultural Use Requirements

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

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

NOTICE: The container cap for Isoxaben 75DF Specialty herbicide may be used to measure the amount of product required to treat small areas. When filled to the level of the inner lip, the cap contains approximately ½ ounce which is the amount of Isoxaben 75DF Specialty needed to treat an area of 1,000 square feet at a rate equivalent to 1.33 lb/acre. Please refer to label booklet for complete use directions and precautions.



When filled to this level, container cap contains ½ oz (14 grams) of Isoxaben 75DF Specialty Herbicide.

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION

Causes Eye Irritation - Harmful if Inhaled

Avoid ingestion, breathing dust or spray mist, and contact with skin, eyes, or clothing.

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.

<p>User Safety Recommendations</p> <p>Users should:</p> <p>Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.</p> <p>Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.</p>

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 person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the 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 by 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.	
FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-800-301-7976.	

Environmental Hazards

Do not contaminate water when disposing of equipment washwaters. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the

mean high water mark. Drift may result in reduced germination or emergence of non-target plants adjacent to treated area.

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 statement on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this 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.

Entry Restrictions for Non-WPS Uses: When this product is applied to turf and ornamental plantings in landscape settings and non-cropland areas, do not allow entry into treated areas until sprays have dried unless wearing coveralls, waterproof gloves, and shoes plus socks.

Storage and Disposal

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

Pesticide Storage: Store in original container. Do not store in direct sunlight. Do not store at temperatures above 120°F. In case of leak or spill, contain material and dispose as waste.

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: Dispose of in a sanitary landfill, or incineration, or by burning if allowed by state and local authorities. If burned, stay out of smoke.

For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC - 1-800-424-9300.

General Information

Isoxaben 75DF Specialty Herbicide is a preemergence product for control of certain broadleaf weeds in established turf, landscape ornamentals, container grown ornamentals, field grown ornamentals, ground covers/perennials, ornamental bulbs, non-bearing fruit and nut trees and non-bearing vineyards, Christmas tree/conifer plantations and non-cropland areas. Apply Isoxaben 75DF Specialty Herbicide in late summer to early fall, in early spring, or anytime prior to germination of target weeds, or immediately after cultivation.

Use Precautions and Restrictions

Isoxaben 75DF Specialty Herbicide controls weeds germinating from seed. Isoxaben 75DF Specialty Herbicide does not control established weeds, or 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 the soil prior to application. Soil in non-turf areas should be in good condition and free of clods at the time of application. Isoxaben 75DF Specialty Herbicide is stable on the soil surface for up to 21 days, but must be incorporated by moisture to be effective. A single rainfall or sprinkler irrigation of 0.5 inches or more, or flood irrigation after application is necessary to activate Isoxaben 75DF Specialty Herbicide. If Isoxaben 75 DF Specialty Herbicide is not activated by rainfall or irrigation within 21 days after application, erratic weed control may result. In non-turf areas, if weeds emerge due to lack of rainfall or irrigation, shallow cultivation to a depth of 1 to 2 inches will incorporate the herbicide and destroy existing weeds.

Treatment of Turf or Ornamental Species not listed on the Label for Isoxaben 75DF Specialty Herbicide

Although this label contains a large number of ornamental species, it is not possible to include all of the ornamental plants that may be encountered in nursery or landscape settings. Users who wish to use Isoxaben 75DF Specialty Herbicide on a plant species not listed on this label may determine the suitability for such use by treating a small area or small number of plants at a recommended rate. Prior to treatment of larger areas, the treated area/plants should be observed for any sign of herbicidal injury during 30 to 60 days of typical growing conditions. **The user assumes the responsibility for any plant**

damage or other liability resulting from use of Isoxaben 75DF Specialty Herbicide on species not recommended on this label.

In Arizona: The state of Arizona has not approved Isoxaben 75DF Specialty Herbicide for use on plants grown for commercial production such as: turf sod farms, Christmas tree plantations, ornamentals and nursery stock grown for resale, and non-bearing fruit and nut trees and non-bearing vineyards.

Chemigation: Do not apply Isoxaben 75DF Specialty Herbicide through any type of irrigation system.

Application Directions

Apply Isoxaben 75 DF Specialty Herbicide with a properly calibrated herbicide sprayer that provides uniform spray distribution. Nozzle screens should be no finer than 50 mesh (50 mesh is finer than 16 mesh). In-line screens and strainers should be no finer than 16 mesh. Apply Isoxaben 75 DF Specialty Herbicide in 10 or more gallons of water carrier per acre. As the spray volume decreases, the importance of accurate calibration and uniform application increases. Take precautions to avoid spray drift when applying Isoxaben 75 DF Specialty Herbicide. Drift may result in reduced germination or emergence of non-target plants adjacent to the treated area. Maintain agitation from mixing through application. Avoid boom overlaps that will increase rates above those recommended. Calibrate application equipment prior to use, according to manufacturer's directions. Check calibration frequently to be sure equipment is working properly and distributing spray uniformly.

Mixing Directions

Isoxaben 75DF Specialty Herbicide – Alone

Check to be sure spray equipment is clean and not contaminated with other herbicides. Use clean water, fill the tank to 1/2 of the final volume required and start agitation. Slowly add the required quantity of Isoxaben 75DF Specialty Herbicide to the spray tank, continue agitation and complete filling the tank. Maintain agitation during filling and throughout application. Agitation should be sufficient to create a rippling or rolling action on the liquid surface. Sparger pipe agitation generally provides the best agitation. In-line screens and strainers should be no finer than 16 mesh.

If spraying and agitation is stopped, Isoxaben 75DF Specialty Herbicide may settle to the bottom of the spray tank. If settling occurs, material must be re-suspended before continuing spray application. Clean the spray tank, lines and screens thoroughly after use.

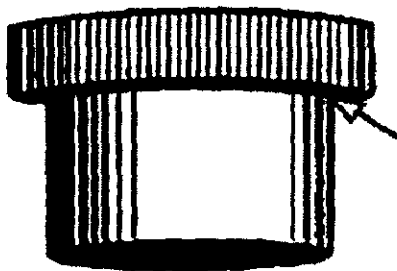
Application Rate Conversion Table for Isoxaben 75DF Specialty Herbicide

lb per acre	oz per 1000 sq ft	grams per 1000 sq ft
0.66	0.25	7.0
1.00	0.38	10.5
1.33	0.50	14.0

Repeat applications at 1.0 pound per acre or more of Isoxaben 75DF Specialty Herbicide should not be made sooner than 60 days after a previous application of Isoxaben 75DF

Specialty Herbicide. Do not apply more than a total of 4.0 pounds per acre of Isoxaben 75DF Specialty Herbicide within a 12-month period.

Notice: The container cap for Isoxaben 75DF Specialty Herbicide may be used to measure the amount of product required for small areas. When filled to the level of the inner lip, the cap contains approximately ½ ounce, which is the amount of Isoxaben 75DF Specialty Herbicide needed to treat an area of 1,000 square feet at a rate equivalent to 1.33 lb/acre.



When filled to this level, container cap contains ½ oz (14 grams) of Isoxaben 75DF Specialty Herbicide.

Isoxaben 75DF Specialty Herbicide in Tank Mix

Isoxaben 75DF Specialty Herbicide may be applied in tank mix combination with labeled rates of other products provided (1) the tank mix product is labeled for the timing and method of application for the use site to be treated; (2) tank mixing with Isoxaben DF Specialty Herbicide is not prohibited by the label of the tank mix product; and (3) the tank mix combination is compatible as determined by a "jar test" described in the "Tank Mix Compatibility Testing" section below.

Add Isoxaben 75DF Specialty Herbicide to the spray tank as described above and fill the spray tank to ¾ of the final volume required. Add other formulations in this order: (1) other dry flowables, (2) wettable powders, (3) aqueous suspensions, (4) flowables, (5) liquids, (6) solutions and emulsifiable or liquid concentrates. Allow two to three minutes between the addition of each product, and agitate continuously until the product(s) are completely dispersed in water. Maintain agitation during filling and through application. If a build-up of materials is observed on the walls of the spray tank, wash the tank with soapy water between fillings, rinse and then continue the spraying operations. Follow label directions for each material added to the tank.

Tank Mix Compatibility Testing: A jar test is recommended prior to tank mixing to ensure compatibility of Isoxaben 75DF Specialty Herbicide and other pesticides. Use a clear glass quart jar with lid and mix the tank mix ingredients in their relative proportions. Invert the jar containing the mixture several times and observe the mixture for approximately ½ hour. If the mixture balls-up, forms flakes, sludges, jels, oily films or layers, or other precipitates, it is not compatible and the tank mix combination should not be used.

Weeds Controlled or Suppressed by Isoxaben 75DF Specialty Herbicide
Weeds controlled when applied at 0.66 lb/acre (0.25 oz or 7 grams/1000 sq ft)

Common Name	Scientific Name
aster, slender	<i>Aster exilis</i>
bursage, annual	<i>Ambrosia acanthicarpa</i>
burweed, lawn	<i>Soliva pterosperma</i>
celery, wild	<i>Apium leptophyllum</i>
chickweed, common	<i>Stellaria media</i>
clover, white	<i>Trifolium repens</i>
cudweed, purple	<i>Gnaphalium purpureum</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>
groundcherry, lanceleaf	<i>Physalis lanceifolia</i>
henbit	<i>Lamium amplexicaule</i>
horseweed	<i>Conyza canadensis</i>
knotweed, prostrate	<i>Polygonum aviculare</i>
lambsquarters, 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>
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 pennsylvanicum</i>
sowthistle, annual	<i>Sonchus oleraceus</i>
speedwell, purslane	<i>Veronica peregrina</i>
telegraphplant	<i>Heterotheca grandiflora</i>
thistle, Russian	<i>Salsola iberica</i>

In addition to the weeds listed at the 0.66 lb/acre rate, the following weeds will be controlled at 1.0 lb/acre (0.38 oz or 10.5 grams/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 *Cotula australis*
- carrot, wild *Daucus carota*
- chamberbitter *Phyllanthus urinaria*
- chickweed, mouseear *Cerastium vulgatum*
- dandelion *Taraxacum officinale*
- eclipta *Eclipta prostrata*
- galinsoga, hairy *Galinsoga ciliata*
- geranium, Carolina *Geranium carolinianum*
- ladysthumb *Polygonum persicaria*
- lettuce, prickly *Lactuca serriola*
- mallow, dwarf *Malva rotundifolia*
- marestail (see horseweed)
- mayweed *Anthemis cotula*
- morningglory, ivyleaf *Ipomoea hederacea*
- mustard, black *Brassica nigra*
- pennywort *Hydrocotyle* spp.
- phyllanthus, long-stalk *Phyllanthus tenellus*
- plantain, bracted *Plantago aristata*
- plantain, broadleaf *Plantago major*
- plantain, buckhorn *Plantago lanceolata*
- pokeweed, common *Phytolacca americana*
- rockpurslane, redmaids *Calandrinia ciliate* var. *menziesii*
- sida, prickly *Sida spinosa*
- sorrell, red *Rumex acetosella*
- speedwell, thymeleaf *Veronica serpyllifolia*
- spurge, hyssop *Euphorbia hyssopifolia*
- spurge, spotted *Euphorbia maculata*
- sweetclover, yellow *Melilotus officinalis*
- tansymustard, green *Descurainia pinnata* ssp. *brachycarpa*
- woodsorrel, yellow *Oxalis stricta*

In addition to the weeds listed at the 0.66 lb/acre and 1.0 lb/acre rates, the following weeds will be controlled at 1.33 lb/acre (0.5 oz or 14 grams/1000 sq ft)

- | Common Name | Scientific Name |
|------------------------|---------------------------------|
| burclover, California | <i>Medicago polymorpha</i> |
| dogfennel | <i>Eupatorium capillifolium</i> |
| eveningprimrose | <i>Oenothera</i> spp. |
| fescue, rattail | <i>Vulpia myuros</i> |
| filaree, whitestem | <i>Erodium moschatum</i> |
| goosefoot, nettleleaf | <i>Chenopodium murale</i> |
| groundsel, common | <i>Senecio vulgaris</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 *Urtica urens*
- oxtongue, bristly *Picris echioides*
- pimpernel, scarlet *Anagallis arvensis*
- sowthistle, spiny *Sonchus asper*
- spurge, petty *Euphorbia peplus*
- spurge, prostrate *Euphorbia humistrata*
- sunflower *Helianthus* spp.
- swinecress *Coronopus didymus*
- thistle, musk *Carduus nutans*
- willoweed, panicle *Epilobium paniculatum*
- woodsorrel, creeping *Oxalis corniculata*

In addition to the weeds controlled, the following weeds will be partially controlled or suppressed at 1.33 lb/acre (0.5 oz or 14 grams/1000 sq ft)

- | Common Name | Scientific Name |
|---------------------|-----------------------------|
| bindweed, field | <i>Convolvulus arvensis</i> |
| carpetweed | <i>Mollugo verticillata</i> |
| dock, curly | <i>Rumex crispus</i> |
| mallow, Venice | <i>Hibiscus trionum</i> |
| milkweed, honeyvine | <i>Ampelamus albidus</i> |
| morningglory, tall | <i>Ipomoea purpurea</i> |
| pusley, Florida | <i>Richardia scabra</i> |

Labeled Uses

Established Turfgrasses

Isoxaben 75DF Specialty Herbicide is recommended as a preemergence treatment for control of certain broadleaf weeds in established cool season and warm season turfgrasses.

Apply Isoxaben 75DF Specialty Herbicide anytime prior to germination of target weeds

Note: Refer to the "General Information" section of this label for General Use

Precautions and information on mixing and application, application rates, and weeds controlled prior to using this product.

Use Precautions for Turfgrasses

Apply Isoxaben 75DF Specialty Herbicide to newly seeded turf (including overseeded turf) only after seedlings are established (three leaf stage and tillering) and well rooted.

Do not overseed established turf sooner than 60 days following an application of Isoxaben 75DF Specialty Herbicide.

Do not apply Isoxaben 75DF Specialty Herbicide to golf course putting greens or tees.

Do not apply Isoxaben 75DF Specialty Herbicide to dichondra.

Do not apply Isoxaben 75DF Specialty Herbicide to grass grown for seed.

Tank Mixing

Isoxaben 75DF Specialty Herbicide may be tank mixed with Surflan* A.S. herbicide and applied as a preemergence treatment to **warm season turfgrass** only to broaden the spectrum of annual grass and broadleaf weed control. Isoxaben 75DF Specialty Herbicide may also be applied as a separate treatment to supplement the effectiveness of Balan*

2.5G or Team* 2G herbicides in cool and warm season turf. Isoxaben 75DF Specialty Herbicide may be tank mixed with postemergence broadleaf herbicides registered for use on established turf to control existing broadleaf weeds to provide residual preemergence broadleaf weed control. Applied as directed, Isoxaben 75DF Specialty Herbicide in tank mix with other products registered for use on turfgrasses will provide control of susceptible weed species listed on the respective labels. When using Isoxaben 75DF Specialty Herbicide in tank mix combinations with other products, read and follow all applicable use directions, precautions, and limitations on the respective product labels. Refer to instructions for Isoxaben 75DF Specialty Herbicide in Tank Mix in the Mixing Directions section.

Isoxaben 75DF Specialty Herbicide is recommended for use on the following turf species:

Established Cool Season Turf Grasses

Common Name	Scientific Name
bentgrass, creeping	<i>Agrostis stolonifera</i>
bentgrass, colonial	<i>Agrostis tenuis</i>
bluegrass, Kentucky	<i>Poa pratensis</i>
fescue, chewing	<i>Festuca rubra</i> var. <i>commutata</i>
fescue, creeping red	<i>Festuca rubra</i>
fescue, sheeps	<i>Festuca ovina</i>
fescue, tall	<i>Festuca arundinaceae</i>
ryegrass, perennial	<i>Lolium perenne</i>

Established Warm Season Turf Grasses+

Common Name	Scientific Name
bahiagrass	<i>Paspalum notatum</i>
Bermudagrass	<i>Cynodon dactylon</i>
buffalograss	<i>Buchloe dactyloides</i>
centipedegrass	<i>Eremochloa ophiuroides</i>
fescue, tall (growing in warm season areas)	<i>Festuca arundinaceae</i>
St. Augustinegrass	<i>Stenotaphrum secundatum</i>
zoysiagrass	<i>Zoysia japonica</i>
zoysiagrass	<i>Zoysia tenuifolia</i>

+Sprigged Warm Season Turfgrass: Isoxaben 75DF Specialty Herbicide is recommended post-sprigging, as a preemergence treatment for control of certain broadleaf weeds in warm season turfgrass. Apply any time after sprigging in the following turfgrass species: bermudagrass, bahiagrass, St. Augustinegrass, centipedegrass and buffalograss. Do not apply more than 1.0 lb/acre of Isoxaben 75DF Specialty Herbicide during the establishment phase for newly sprigged warm season turfgrasses. Do not apply Isoxaben 75DF Specialty Herbicide to varieties of dwarf-type bermudagrass or to any turfgrass species being sprigged on golf course tees or greens.

Ornamental Plantings

Isoxaben 75DF Specialty Herbicide is recommended as a preemergence treatment for control of certain broadleaf weeds in landscape ornamentals, container grown ornamentals, field grown ornamentals, ground covers/perennials, and non-bearing fruit and nut trees and non-bearing vineyards.

Apply Isoxaben 75DF Specialty Herbicide anytime prior to germination of target weeds, or immediately after cultivation.

Note: Refer to the "General Information" section of this label for General Use Precautions and information on mixing and application, application rates, and weeds controlled prior to using this product.

Tank Mixing

Isoxaben 75DF Specialty Herbicide may be tank mixed with Roundup® or other postemergence herbicides registered for control or existing unwanted vegetation in ornamental plantings, and to provide residual preemergence broadleaf weed control. Isoxaben 75DF Specialty Herbicide may also be tank mixed with Surflan® A.S. herbicide and applied preemergence to provide broad-spectrum control of annual grasses and broadleaf weeds in ornamental areas. Applied as directed, tank mixes of Isoxaben 75DF Specialty Herbicide will provide control of susceptible weed species listed on the respective labels. When using Isoxaben 75DF Specialty Herbicide in tank mix combination with other products, read and follow all applicable use directions, precautions, and limitations on the respective product labels. Refer to instructions for Isoxaben 75DF Specialty Herbicide in Tank Mix in the Mixing Directions section.

Note: Do not apply sprays containing Roundup over the top of ornamental plants. Extreme care must be exercised to prevent contact of sprays containing Roundup with foliage or stems of turfgrasses, trees, shrubs, or other desirable vegetation since severe damage or death may result. If spraying Roundup in areas adjacent to desirable plants, use a shield to prevent spray from contacting foliage or stems of desirable plants.

Use Precautions for Ornamental Plantings

To avoid possible plant injury, do not apply Isoxaben 75DF Specialty Herbicide to:

- Nursery, forest, or Christmas tree: seedling beds, cutting beds, or transplant beds
- Unrooted liners or cuttings that have been planted in pots for the first time
- Pots less than six inches wide
- Ground covers until they are established and well rooted
- Bedding plants or areas where bedding plants will be planted or transplanted within one year after application

Do not apply Isoxaben 75DF Specialty Herbicide to newly transplanted ornamentals, nursery stock, ground covers, ornamental bulbs, non-bearing fruit and nut trees or non-bearing vineyards until soils or potting media has been settled by packing and irrigation or rainfall and no cracks are present or plant injury may occur.

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Applications of Isoxaben 75DF Specialty Herbicide over the top of plants with newly forming buds may cause injury. Possible plant injury may be avoided by application as a directed spray to the soil surface beneath ornamental plants.

When planting into a site treated with Isoxaben 75DF Specialty Herbicide in the past 8 months, use untreated soil as fill around roots when replacing plants or injury may occur.

Note: Injury to certain ornamental plants has been observed following application of Isoxaben 75DF Specialty Herbicide. To avoid plant injury, Isoxaben 75DF Specialty Herbicide is not recommended for weed control in the following ornamental plant species:

- Ajuga* spp. (bugle)
- Brassica* spp. (mustard)
- Echinacea purpurea* (purple coneflower)
- Euonymus alatus 'compacta'* (dwarf burning bush)
- Euphorbia* spp. (spurge)
- Hydrangea* spp. (hydrangea)
- Iberis* spp. (candytuft)
- Juniperus horizontalis 'Prince of Wales'* (Prince of Wales Juniper)
- Melaleuca quinquenervia* (cajeput tree)
- Rhododendron caroliniaum* (Carolina rhododendron)
- Rhododendron catawbiense 'Roseum elegans'* (Roseum elegans rhododendron)
- Sedum* spp. (stonecrop)
- Yucca recurvifolia* (green yucca)

Isoxaben 75DF Specialty Herbicide may be used in the culture of the following established plant species:

(Note: Limitations on recommended treatment methods)

Trees

Scientific Name Common Name

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

- Abies balsamea* Fir, balsam C,F
- Abies concolor* Fir, white F
- Abutilon hybridum* Albus-flowering maple C,F
 - Luteus-flowering maple C,F
 - Roseus-flowering maple C,F
 - Tangerine-flowering maple C,F
 - Vesuvius red-flowering maple F
- Acer ginnmala* Flame maple F
- Acer rubrum* Red maple F
 - Red sunset maple F
- Acer saccharinum* Silver maple C,F
- Alsophila australis* Australian tree fern C,F
- Archontophoenix cunninghamiana* King palm C,F
- Areacastrum romanzoffianum* Queen palm C, F

- Araucaria heterophylla* Norfolk island pine C, F
Bauhinia galpinii Red bauhinia C, F
Betula nigra Birch, river C, F
Betula papyrifera Paper birch F
Brachychiton populneus Bottle tree C, F
Bucida buceras Black olive F
Ceratonia siliqua Carob F
Cercis canadensis Redbud C, F
Chamaecyparis obtusa Filicoides-fernspray cypress F
 Gracilis-slender Hinoki cypress F
Chamaecyparis pisifera Sawara-false cypress F
 Squarrosa-moss cypress F
Chamaedorea cataractarum Cat Palm F
 Palm C, F
Chamaedorea costaricana Palm C, F
Chamaedorea elegans Parlor palm C, F

Chamaerops humilis Mediterranean fan palm C, F
Cornus florida Cloud nine dogwood C, F
 Dogwood flowering C, F
Crataegus viridis Green hawthorn F
Cryptomeria japonica Cryptomeria, Japanese C, F
Cupaniopsis anacardioides Carrot wood F
Cupressus glabra Arizona cypress F
Cupressocyparis 'Emerald Isle' Emerald Isle leyland cypress C, F
Cupressocyparis leylandii Blue leyland cypress C, F
Cupressus ariz 'Blue pyramid' Blue pyramid cypress C, F
Cupressus sempervirens Cypress tree C, F
Cycas revoluta Sago palm C, F
Elaeagnus angustifolia Russian olive C, F
Elaeagnus x ebbengei 'Gilt edge' Gilt edge silverberry C, F
Eucalyptus camaldulensis Red gum eucalyptus F
Eucalyptus cinerea Eucalyptus, mealy F
 Silver dollar eucalyptus F
Eucalyptus microtheca Coolibah tree C, F
Eucalyptus sideroxylon Eucalyptus, red ironbark F
Fagus sylvatica European beech C, F
Ficus benjamina Ficus C, F
 Mini ficus C, F
Fraxinus udhei Shamel ash C, F
Ginkgo biloba Ginkgo (Maidenhair tree) F
Gleditsia triacanthos Honey locust F
 Shademaster honey locus F
Heteromeles arbutiflora Toyon F
Illicium floridanum Florida anise-tree C, F
Juniperus virginiana Redcedar, Eastern C, F

- Leptospermum scoparium* Tea tree C, F
Liquidambar styraciflua Sweetgum, American F
Magnolia grandiflora Magnolia, Southern C, F
Magnolia stellata Royal star magnolia C, F
Morus alba White mulberry F
Musa aluminata Banana C, F
Oxydendrum arboreum Sourwood C, F
Picea abies Pendula-weeping Norway spruce C, F
 Repens-spreading Norway spruce C, F
 Spruce, Norway C, F
Picea glauca Conica-dwarf Alberta spruce C, F
Picea glauca conica Conica-dwarf Alberta spruce F
Picea pungens Dwarf globe blue spruce C, F
 Glaucolorado blue spruce C, F
 Hoopsii-Hoop's blue spruce C, F
 Koster-Koster blue spruce F
Pinus aristata Bristlecone pine F
Pinus canariensis Canary Island pine F
Pinus contorta Shore pine, beach pine F
Pinus eldarica Eldarica pine C, F
Pinus leucodermis Bosnian pine C, F
Pinus mugo Pumilio-shrubby swiss mountain pine C, F
Pinus nigra Austrian black pine C, F
Pinus radiata Monterey pine F
Pinus strobus Eastern white pine C, F
 white pine C, F
Pinus sylvestris Columnar Scotch pine C, F
 Scotch pine C, F
Pinus thunbergiana Japanese black pine C, F
Platanus occidentalis American sycamore F
Platanus racemosa California sycamore F
Podocarpus spp. Podocarpus F
Populus deltoides Cottonwood F
Prosopis chilensis Chilean mesquite C, F
Prunus yedoensis Yoshino flowering cherry F
Prunus caroliniana Carolina laurel cherry C, F
Prunus laurocerasus English laurel C, F
Quercus ilicifolia Bear oak F
Quercus palustris Pin oak F
Quercus phellos Willow oak C, F
Quercus rubra Red oak C, F
Quercus virginiana Live oak C, F
Salix babylonica Babylon weeping willow F
 Corkscrew willow F
Sequoiadendron giganteum Giant sequoia F
Swietenia mahogani Mahogany F

- Tabebuia caraiba* Yellow tab F
- Trachycarpus fortunei* Windmill palm C, F
- Tsuga canadensis* Eastern hemlock C, F
- Ulmus parvifolia* Chinese elm F
- Washingtonia robusta* Mexican fan palm F
- Zamia furfuracea* Cardboard palm C, F

Shrubs

Scientific Name Common Name Recommended Treatment Method:
C= Container Grown F = Field Grown

- Abelia grandiflora* Edward Goucher abelia C, F
 - Glossy abelia C, F
 - Sunrise variegated abelia C, F
- Acacia abyssinica* Abyssinica acacia C, F
- Acacia redolens* Acacia, prostrate C, F
- Acacia stenophylla* Shoestring acacia C, F
- Acalypha wilkesiana* Copper leaf C, F
- Acer ginnala* Amur maple C, F
- Acer palmatum* Coral bark Japanese maple C, F
- Acer palmatum* Dwarf Japanese maple C, F
- Agave americana* Century plant F
- Amelanchier alnifolia* Saskatoon serviceberry C, F
- Andromeda polifolia* Bog rosemary C, F
- Anisodonteia hypomandarum* Cape mallow C, F
- Arctostaphylos uva-ursi* Bearberry C, F
- Ardisia japonica* Chirimen marlberry C, F
- Artemisia lactiflora* White mugwort C, F
- Athyrium nipponicum* Japanese painted fern C, F
- Baccharis pilularis* coyotebush F
- Berberis gladwynensis* William Penn barberry C, F
- Berberis mentorensis* Mentor barberry C, F
- Berberis thunbergii* Aurea-golden Japanese barberry F
 - Crimson pygmy barberry C, F
 - Rose glow barberry C, F
 - Atropurea-redleaf Japanese barberry F
 - Cherry bomb C, F
- Bougainvillea* 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
- Buxus microphylla japonica* Boxwood, Japanese F
- Buxus microphylla Koreana* Korean boxwood F
- Buxus sempervirens* Boxwood, common C, F
- Buxus x 'Green velvet'* Green velvet boxwood C, F

- Callistemon citrinus* Bottlebrush, lemon F
- Callistemon viminalis* Weeping bottlebrush C, F
- Calluna vulgaris* Spring torch scotch heather C, F
- Camellia japonica* Camellia C, F
- Caryopteris clandonensis* Blue mist bluebeard C, F
- Caryopteris x clandonen* 'Blk night' Dark knight bluebeard C, F
- Cassia artemisioides* Cassia, feathery C, F
- Cassis, eremophila* Senna C, F
- Ceanothus* spp. Wild lilac F
- Cephalotaxus drupacae* Plum yew C, F
- Cerastium tomentosum* Snow-in-summer C, F
- Ceratostigma plumbaginoides* Dwarf plumbago C, F
- Ceratostigma willmottianum* Chinese plumbago C, F
- Chaenomeles japonica* Orange flowering quince C, F
- Chamaecyparis obtusa* Kosteri cypress C, F
 - Nana-dwarf Hinoki cypress C, F
 - Torulosa cypress C, F
- Chamaecyparis pisifera* baileyi-dogwood F
 - Flaviramea-dogwood F
 - Sawara-false cypress F
 - Squarrosa Minima cypress C, F
 - Filifera-thread cypress C, F
- Chrysalidocarpus lutescens* Areca palm F
- Clethra alnifolia* Summersweet C, F
- Cleyera japonica* Cleyera, Japanese C, F
- Colonema pulchrum* Pink breath of heaven C, F
- Convolvulus cneorum* Bush morning glory C, F
- Convolvulus mauritanicus* Ground morningglory C, F
- Cornus alba* Sibirica-Siberian dogwood C, F
- Cornus stolonifera* Baileyi-red-osier dogwood F
 - Flaviramea-yellowtwig dogwood F
- Corylus contorta* Walking stick C, F
- Cotinus coggygria* Royal purple smoke tree C, F
- Cotinus dammeri* Coral beauty smoke tree C, F
 - Eichholz smoke tree C, F
- Cotoneaster adpressus* Praecox-early cotoneaster C, F
- Cotoneaster apiculatus* Cotoneaster, cranberry C, F
- Cotoneaster congestus* Cotoneaster, Pyrenees C, F
- Cotoneaster dammeri* Cotoneaster, bearberry C, F
- Cotoneaster himalayan* Himalayan cotoneaster C, F
- Cotoneaster horizontalis* Cotoneaster, rock C, F
- Cycas revoluta* Sago palm C, F
- Cytisus praecox* Hollandia-warminster broom C, F
- Cytisus scoparius* Lena-Scotch broom C, F
- Cytisus* spp. Holandia-Scotch broom F
 - Allgold Warminster broom C, F

- Lilac time broom C, F
- Dalea greggii* Trailing indigo bush C, F
- Daphne cneorum* Rose daphne C, F
- Daphne odora* Fragrant daphne C, F
- Deutzia crenata* Nakiana-dwarf deutzia C, F
- Deutzia gracilis* Slender gracilis C, F
- Dodonea viscosa* Hopseed bush F
- Enkianthus companulatus* Red-veined enkianthus C, F
- Elaeagnus pungens* Fruitland silver berry C, F
- Erica cinerea* Purple bell heather C, F
- Erica vagans* Cornish heather C, F
- Erica x darleyensa* Mediterranean pink heather C, F
- Escalonia* spp. Escallonia C, F
- Eugenia myrtifolia* Teenie genie brushcherry C, F
- Eugenia myrtifolia* 'Globulus' Dwarf brush cherry C, F
- Euonymus fortunei* Canadale gold euonymus C, F
- Emerald'n gold euonymus F
- Sunspot euonymus C, F
- Euonymus japonica* Silver king euonymus F
- Chollipo euonymus C, F
- Gold spot euonymus C, F
- Silver princess euonymus C, F
- Variiegated evergreen euonymus C, F
- Euonymus kiatschovica* Spreading euonymus C, F
- Euonymus vegetus* Bigleaf wintercreeper C, F
- Fatsia japonica* Japanese aralia C, F
- Felicia amelloides* Blue marguerite C, F
- Forsythia intermedia* Forsythia, border C, F
- Forsythia x 'Spring glory'* Spring glory forsythia C, F
- Fuchsia x "Santa Claus"* Santa Claus fuchsia C, F
- Gardenia jasminoides* August beauty gardenia C, F
- Gardenia C, F
- Miniature gardenia C, F
- Radican gardenia C, F
- Gaultheria procumbens* Wintergreen C, F
- Gaultheria shallon* Salal/lemon leaf C, F
- Gelsemium sempervirens* Carolina Jessamine C, F
- Genista pilosa* Woadwaxen C, F
- Hamamelis virginiana* Common witch hazel C, F
- Hardenbergia violacea* Lilac vine C, F
- Hebe buxifolia* Boxleaf hebe C, F
- Hibiscus rosa-sinensis* Ross Estey-hibiscus C, F
- Hibiscus syriacus* Rose of Sharon, Red Bird C, F
- Rose of Sharon, Red Heart F
- Rose of Sharon, Woodbridge C, F
- Ilex aquifolium* Balkans holly F

- Gold coast holly F
- Ilex aquipernyi* San Jose holly C, F
- Ilex attenuata* Savannah holly C, F
- Ilex cornuta* Burford holly C, F
 - dwarf Burford holly C, F
 - needle point holly C, F
 - Holly, Chinese
- Ilex crenata* Compacta-dwarf Japanese holly C, F
 - Convexa holly C, F
 - Dwarf Chinese holly C, F
 - Green luster holly C, F
 - Helleri-Heller's Japanese holly C, F
 - Hetzii's Japanese holly C, F
 - Stokesii Japanese holly C, F
- Ilex glabra* Compacta-compact inkberry holly C, F
- Ilex glabra* Nordica-inkberry holly C, F
- Ilex meserveae* Blue boy holly C, F
 - Blue girl holly C, F
 - China boy holly C, F
 - China girl holly C, F
 - Ebony magic holly F
- Ilex vomitoria* Nana-dwarf yaupon holly C, F
 - Pendula-weeping yaupon holly C, F
 - yaupon holly C, F
- Illicium annisatum* Mystery gardenia C, F
- Itea ilicifolia* Henry Garnet holly leaf sweetspire C, F
- Ixora collinea* Ixora C, F
- Juniperus chinensis* Hollywood juniper C, F
 - Media-old gold juniper C, F
 - pfitzer juniper C, F
 - Pfizerana glauca-blue juniper C, F
 - Pfizerana-pfizer juniper C, F
 - Sea green juniper F
 - Torulosa-hollywood juniper C, F
- Juniperus conferta* Emerald sea shore juniper C, F
 - Shore juniper C, F
- Juniperus horizontalis* 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
 - Wiltonil-blue carpet juniper C, F
- Juniperus procumbens* Nana-dwarf Japaneses garden juniper C, F

- Juniperus prostrata* Prostrata juniper C, F
- Juniperus sabina* Broadmoor juniper C, F
 - Foemina-Hicks juniper C, F
 - Savin juniper C, F
 - Tamariscifolia-Tam juniper C, F
- Juniperus scopulorum* Emerald green juniper F
 - Wichita blue juniper C, F
- Juniperus squamata* Blue juniper C, F
 - Blue star juniper C, F
 - Parsonii juniper C, F
- Kalmia latifolia* Laurel, mountain C, F
- Lagerstroemia indica* Crape myrtle C, F
- Lantana* spp. Lantana C, F
- Leucophyllum frutescens* Texas sage C, F
- Leucophyllum laevigatum* Chihuahan sage C, F
- Leucothoe axillaris* Leucothoe, coast C, F
- Leucothoe fontanesiana* Leucothoe, drooping C, F
- Ligustrum japonicum* Privet, Japanese C, F
 - wax ligustrum C, F
 - yellow tip ligustrum C, F
- Ligustrum lucidum* Privet, glossy C, F
- Ligustrum ovalifolium* California privet F
- Ligustrum texanum* Howardi privet C, F
 - wax leaf privet C, F
- Ligustrum vicaryi* Privet, golden F
- Ligustrum vulgare* Lodense privet C, F
- Livistona chinensis* Chinese fountain palm F
- Lonicera fragrantissima* Winter honeysuckle C, F
- Lonicera periclymenum* Flowering woodbine C, F
 - Serotina woodbine C, F
- Lonicera sempervirens* Trumpet honeysuckle C, F
- Lorpetalum chinense* Sizzling pink fringe flower C, F
- Loropetalum chin rubrum* 'Razzieb' Razzleberri fringe flower C, F
- Mahonia aquifolium compacta* Dwarf Oregon grape C, F
- Mahonia bealei* Leather leaf mahonia C, F
- Mahonia repens* Creeping mahonia C, F
- Michelia figo* Banana shrub C, F
- Myrica cerifera* Wax myrtle C, F
- Myoporum parvifolium* Putah creek C, F
- Nandina domestica* 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
- Nerium oleander* Hardy red oleander C, F

- Oleander C, F
- Ruby lace oleander C, F
- Osmanthus fortunei* Fortunes osmanthus C, F
- Osmanthus fragrans* Sweet olive C, F
- Pennisetum setaceum* 'Rubrum' Purple fountain grass C, F
- Phoenix roebelenii* Pigmy date palm C, F
- Photinia fraseri* Fraser's photinia C, F
- Physocarpus opulifolius* Dwarf ninebark C, F
- Pieris japonica* 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
- Pieris japonica x forestii* Forest flame lily-of-the-valley C, F
- Pinus mugo* Mugo-mugho pine C, F
- Pittosporum tobira* Green pittosporum C, F
 - Wheeler's dwarf pittosporum C, F
- Plumbago ariculata* Blue cape plumbago F
- Plumbago capensis* Plumbago C, F
- Podocarpus macrophyllus* Yewpine C, F
- Polygala fruticosa* Sweet pea shrub C, F
- Polystichum polyblepharum* Tassel fern C, F
- Potentilla fragiformis* Cinquefoil F
- Potentilla fruticosa* Cinquefoil C, F
 - Floppy disc cinquefoil C, F
 - Gold drop potentilla F
 - Goldfinger potentilla C, F
 - Red ace potentilla C, F
 - Sunset potentilla C, F
 - Tangerine potentilla C, F
- Potentilla* spp. Cinquefoil
- Potentilla verna* Spring cinquefoil C, F
- Prunus gladulosa* Dwarf pink flowering almond C, F
- Prunus laurocerasus* 'Otto luykens' Otto Luykens English laurel C, F
- Psidium cattleianum* Strawberry guava C, F
- Pyracantha fortuneana* 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
- Raphiolepis indica* Carisma-Monruce raphiolepis C, F
 - Enchantress-Moness raphiolepis F
 - Raphiolepis (India hawthorn) C, F
 - Springtime-Monme raphiolepis C, F

- Rhaphiolepis ovata* Roundleaf raphiolepis C, F
Rhododendron calendulaceum Cannon's double azalea C, F
 Flame azalea F
 Golden flare azalea C, F
 Klondike azalea C, F
Rhododendron campylocarpum Butterfly rhododendron F
Rhododendron carolinianum x daurium PJM rhododendron C, F
Rhododendron catawbiense Catawba album rhododendron C, F
 Catawba rhododendron C, F
 Lord Roberts rhododendron C, F
 Rocket rhododendron C, F
Rhododendron caucasicum x ponticum Cunningham White rhododendron C, F
Rhododendron exbury Cannon's double azalea C, F
 Golden flare azalea C, F
 Klondike azalea C, F
Rhododendron forrestii repens Gomer Waterer rhododendron C, F
Rhododendron forrestii x griersonianum Elizabeth rhododendron C, F
Rhododendron griffithianum Jean Marie rhododendron C, F
Rhododendron hybrid spp. America rhododendron C, F
 English Roseum rhododendron F
 Nova Zembia rhododendron C, F
 Scintillation rhododendron C, F
Rhododendron impeditum Rhododendron C, F
Rhododendron indica Formosa azalea C, F
 Waucabusa azalea C, F
Rhododendron kaempferi Blue danube azalea C, F
Rhododendron kerume Coral bells azalea C, F
 Hino crimson azalea C, F
 Hino pink azalea C, F
 Mildred azalea C, F
 Snow azalea C, F
Rhododendron maximum Rhodie max (rosebay) C, F
Rhododendron mucronulatum Rhododendron F
Rhododendron obtusum Hino-crimson azalea C, F
Rhododendron ponticum Chioniodes rhododendron C, F
 Daphnoides rhododendron C, F
Rhododendron racemosum Dwarf scarlet wonder rhododendron C, F
 Tribly rhododendron C, F
 Unique rhododendron C, F
 Vulcan rhododendron C, F
Rhododendron sassthigiatim x carolinianum Ramapo rhododendron C, F
Rhododendron satuski Gumpo pink azalea C, F
 Higasa azalea F
 Reijn azalea C, F
Rhododendron spp. Hybrids Carror azalea C, F
 Fashion azalea C, F

- Gerard Christiana azalea F
- Girard Roberta azalea C, F
- Golden flare exbury azalea F
- Helmut vogel azalea F
- Hersey 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
- Rhus lancea* Sumac, African C, F
- Rhus typhina* Staghorn sumac C, F
- Rosa x 'Flower carpet'* Red groundcover rose C, F
- Rosa rugosa* Ramanas rose C, F
- Rosmarinus officinalis* Rosemary F
- Senecio cineraria* Dusty-miller
- Skimmia japonica* Japanese skimmia C, F
- Skimmia revesiana* Reeve's skimmia C, F
- Solanum rantonetii 'Royal purple'* Paraguay nightshade C, F
- Spiraea bumalda* Anthony Waterer spiraea C, F
- Spiraea cinerea* First snow spiraea C, F
- Spiraea japonica* Dolchia spiraea C, F
 - Japanese alpine spiraea C, F
 - Magic carpet spiraea C, F
 - Neon flash spiraea C, F
 - Shirobana spiraea C, F
- Spiraea vanhouttei* Bridal wreath C, F
- Streptosolen jamesonii* Marmalade bush C, F
- Syringa rothomagensis* Chinese lilac C, F
- Syringa vulgaris* Lilac, common F
- Taxus cuspidata* Yew, Japanese F
- Tecomaria capensis* Cape honeysuckle C, F
- Ternstroemia gymnanthera* Ternstroemia, Japanese C, F
- Teucrium fruticans* Bush germander C, F
- Thevetia nerifolia* Yellow oleander C, F
- Thuja occidentalis* Emerald arborvitae C, F
 - Globosa-globe arborvitae C, F
 - Little giant dwarf arborvitae C, F
 - Nigra-dark American arborvitae C, F
 - Pyramidalis arborvitae C, F
 - Rheingold arborvitae C, F
 - Techny arborvitae F
 - Woodwardii arborvitae C, F
- Thuja orientalis* Aureus nana-dwarf golden arborvitae C, F
 - Minima glauca-dwarf arborvitae C, F

- Tibouchina urvilleana* Princes flower C, F
- Veitchia merrilli* Christmas palm F
- Viburnum bodnantense* Pink dawn viburnum C, F
- Viburnum carlesii* Koreanspice viburnum C, F
- Viburnum davidii* David viburnum C, F
- Viburnum japonicum* Viburnum F
- Viburnum judd* (*V. x juddii*) Viburnum C, F
- Viburnum lantana* Wayfaring tree F
- Viburnum opulus sterile* Common snowball viburnum F
- Viburnum plicatum tomentosum* Doublefile viburnum C, F
- Viburnum setigerum* Tea viburnum F
- Viburnum tinus compactum* Spring bouquet viburnum F
- Viburnum trilobum* Cranberry bush C, F
- Viburnum trilobum compactum* Dwarf cranberry bush C, F
- Viburnum x pragense* Viburnum C, F
- Weigela florida* Bristol ruby weigela C, F
 - Java red weigela C, F
 - Minuet weigela C, F
- Xylosma congestum* Xylosma F
- Yucca filamentosa* Yucca C, F

Groundcovers/Perennials

Scientific Name Common Name Recommended Treatment Method:
C = Container Grown F = Field Grown

- Achillea* spp. Yarrow C, F
- Achillea filipendulina* Moonshine-fern/leaf yarrow F, C
- Achillea millefolium* Common yarrow C, F
- Achillea millefolium 'Paprika'* Paprika yarrow C, F
- Achillea tomentosa* Woolly yarrow C, F
- Agapanthus africanus* Lilly of the Nile C, F
 - Queen Anne lily of the Nile C, F
- Agapanthus 'Peter pan'* Lily of the Nile C, F
- Ammophila breviligulata* Beechgrass C, F
- Aptenia cordifolia* Red apple aptenia C, F
- Aquilegia x 'Dragon fly'* Columbine C, F
- Arctotheca calendula* Cape weed F
- Argyranthemum frutescens* (This is a typo from the Gallery 75 label...it should be 'Butterfly').
- Butterfly argyranthemum C, F
- Asparagus densiflorus 'Myers'* Pony tail fern C, F
- Asparagus retrofractus* (No common name) C, F
- Asparagus varieegata* Tree fern C, F
- Asparagus var. 'Meegers'* C, F
- Aspidistra elatior* Cast iron plant C, F
- Aster novae-angliae* New England aster C, F

- Aster novi-belgii* New York aster C, F
Aster novi-belgii 'Persian rose' Persian rose dwarf aster C, F
Begonia semperflorens 'Amb white' White ambassador begonia C, F
Bergenia cordifolia Heartleaf bergenia C, F
Bidens ferulifolia 'Peters gold' Peter's gold bidens C, F
Brachycome x 'New amethyst' Swan river daisy new amethyst C, F
Callistepheus chinensis China aster C, F
Carex albula Frosty curls sedge C, F
Carex spp. Variegated carex C, F
Carpobrotus edulis Ice plant, largeleaf (see label) F
Catharanthus roseus Madagascar periwinkle C, F
Chasmanthium latifloium Northern sea oats C, F
Chrysanthemum maximum Shasta daisy C, F
Chrysanthemum spp. Chrysanthemum species C, F
Clivia miniata 'French hybrid' Kafir lily C, F
Coreopsis verticillata Coreopsis, threadleaf C, F
Coreopsis verticillata 'Moonbeam' Moonbeam coreopsis C, F
Cortaderia selloana Pampas grass C, F
Cuphea hyssopifolia False or Mexican heather C, F
Cyperus albostratus Dwarf umbrella grass C, F
Dahlia hybrid Dwarf Dwarf dahlia C, F
Dahlia x 'Royal Dahlietta pink' Dwarf dahlia Wendy pink C, F
Delosperma alba White iceplant F
Delosperma cooperi Ice plant C, F
Delosperma nubigenum Hardy ice plant C, F
Descampsia caespitosa Descampsia C, F
Dianthus gratianopolitanus 'Treasure' Crimson treasure cheddar pink C, F
Dianthus plumaris Cottage pink C, F
Diets vegeta Fortnight lily C, F
Drosanthemum floribundum Trailing rosea iceplant F
Drosanthemum hispidum Iceplant C, F (The Gallery 75 label spells the genus Drosantheum here but they are incorrect, what we have is correct.)
Dymondia margaritae Diamond marguerite C, F
Ensete ventricosum Absynnian banana C, F
Equisetum scirpoides Dwarf horsetail C, F
Erianthus ravennae Hardy pampasgrass C, F
Erigeron speciosum 'Darkest of all' Darkest of all fleabane C, F
Euryops pectinatus 'Munchkin' Dwarf euryops C, F
Eustoma grandiflorum 'Pink' Pink lisianthus C, F
Evolvulus nuttallianus Blue daze C, F
Fatshedra japonica Japanese aralia C, F
Festuca ovina glauca Blue fescue C, F
Gaillardia x grandiflora Blanket flower C, F
Gazania spp. Gazania C, F
Geranium cinerium 'Ballerina' Ballerina cranesbill C, F
Geranium sanguineum 'Bloody cran' Bloody cranesbill C, F

- Geranium subcaulescens* Black eyed magenta cranesbill C, F
Geum spp. Avens C, F
Geum quellyon Geum C, F
Gyposophila paniculata Baby's breath C, F
Hakonechloa macroaureola Godlen hakonechloa C, F
Hedera canariensis Ivy, Algerian F
Hedera helix Ivy, English C, F
Helichrysum petiolare 'White licorice' White licorice helichrysum C, F
Heliotropium fragrans Common heliotrope C, F
Hemerocallis spp. Daylily C, F
Hesperaloe parvifolia Red yucca C, F
Heuchera x 'Bressingham' Bressingham coral bells C, F
Heuchera micrantha Coral bells C, F
Hosta 'Francee' Francee plantain lily C, F
Hosta fortunei Plantain lily C, F
Hosta lancifoila Albo-marginata hosta C, F
 Narrow leafed plantain lily C
Hosta x 'Patriot' Patriot plantain lily C, F
Houttuynia cordata 'Chameleon' Chameleon Houttuynia C, F
Hymenoxys acaulis Angelita daisy C, F
Hypericum spp. St. Johnswort C, F
Impatiens walleryana 'Lipstick' Lipstick impatiens C, F
Ipomea acuminata 'Blue dawn' Blue dawn morning glory C, F
Iris pumila 'Yellow' Yellow dwarf bearded iris C, F
Iris siberica Iris C, F
Jasminum nitidum Angelwing jasmine C, F
Jasminum polyanthum Pink jasmine C, F
Lampranthus spectabilis Trailing iceplant F
Leptospermum scoparium Broom teatree/manuka C, F
Limonium perezii Statice C, F
Liriope gigantea White lily turf C, F
 Giant lily turf C, F
Liriope muscari 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
Liriope spicata Green/creeping lily turf C, F
 Silver dragon lily turf C, F
Lonicera japonica Honeysuckle, Japanese F
Lysimachia mummularia Moneywort C, F
Lysimachia punctata Dotted loosestrife C, F
Matthiola incana 'Harmony' Stock C, F
Miscanthus sinensis Eulalia grass C, F
Miscanthus sinensis 'Gracillimus' Maiden grass C, 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

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

Ornamental Bulbs in Landscape Settings

Isoxaben 75DF Specialty Herbicide may be applied for control of susceptible annual weeds in ornamental bulbs such as bulbous iris, daffodil (narcissus), gladiolus, hyacinth, lilies and tulip. Apply Isoxaben 75DF Specialty Herbicide to the soil surface 2 to 4 weeks after planting, but prior to the emergence of annual weeds. Isoxaben 75DF Specialty Herbicide may also be applied following bulb emergence but prior to flowering and after flowering. For all planted bulbs, apply Isoxaben 75DF Specialty Herbicide again in late winter or early spring to weed-free soil surfaces. For bulbs, make a single application within 30 days following planting and prior to bulb emergence. Do not exceed the 0.66 lb/A rate of Isoxaben 75DF Specialty Herbicide.

Use Precautions for Ornamental Bulbs

Do not use Isoxaben 75DF Specialty Herbicide for weed control in ornamental bulbs grown for commercial production.

Isoxaben 75DF Specialty Herbicide is not recommended for application to:
Tulip plants that have emerged to a height greater than $\frac{3}{4}$ inch.
Gladiolus prior to emergence or if corms are less than one inch in diameter.
Bulbs while they are flowering.

Shadehouse Areas

Isoxaben 75DF Specialty Herbicide may be applied in open shade house-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 greenhouses or poly-type structures.

Christmas Tree/Conifer Plantations

Isoxaben 75DF Specialty Herbicide Alone

Apply Isoxaben 75DF Specialty Herbicide as a directed spray to the soil surface or as an overtop spray to established plantings of field grown Christmas tree/conifer species listed in this label. Follow all instructions provided in the "General Information" section of this label.

Use Precautions for Christmas Tree/Conifer Plantations:

Do not apply Isoxaben 75DF Specialty Herbicide to seedbeds or seedling transplant beds. Apply only to established plantings. Established plants are defined as those that have been transplanted into their final growing location for a sufficient period of time to allow the soil to be firmly settled around the roots from packing and rainfall or irrigation.

Tank-Mix Combinations

Tank-mix combinations of Isoxaben 75DF Specialty Herbicide plus other labeled herbicides may be used in established Christmas tree plantings. When applied according to use directions, these tank mixes will provide control of susceptible weed species listed on the respective product labels. Refer to tank mix product labels for specific use directions, precautions and limitations before use. Refer to instructions for Isoxaben 75DF Specialty Herbicide in Tank Mix in the Mixing Directions section.

Isoxaben 75DF Specialty Herbicide/Roundup: Apply tank mix combinations of Isoxaben 75DF Specialty Herbicide plus Roundup Herbicide only as directed sprays in Christmas tree plantings. When applied as directed, Isoxaben 75DF Specialty Herbicide plus Roundup will provide postemergence control of susceptible weed species listed on the label for Roundup and residual control of susceptible weed species listed on the label for Isoxaben 75DF Specialty Herbicide. Refer to the label for Roundup for specific use directions, precautions and limitations before use. Refer to instructions for Isoxaben 75DF Specialty Herbicide in Tank Mix in the Mixing Directions section.

Precautions:

Do not apply sprays containing Roundup over the top of Christmas tree plantings. Extreme care must be exercised to prevent contact of sprays containing Roundup with foliage or stems of Christmas trees or other desirable plants or severe plant damage or death may result.

Non-Cropland Areas

Isoxaben 75DF Specialty Herbicide is recommended as a preemergence herbicide for control of listed broadleaf weeds in non-cropland areas, including industrial sites, utility substations, parking lots, driveways, walking paths, highway guard rails, sign posts and delineators where maintenance of bare ground is desired.

Apply Isoxaben 75DF Specialty Herbicide 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 "General Information" section prior to using this product on non-cropland.

Isoxaben 75DF Specialty Herbicide is compatible and can be tank mixed with other herbicides registered for use on non-cropland. Applied as directed, tank mixes containing Isoxaben 75DF Specialty Herbicide will provide control of susceptible weed species listed on the respective labels. All directions, precautions and limitations on the respective product labels apply to the tank mix use. Refer to instructions for Isoxaben 75DF Specialty Herbicide in Tank Mix in the Mixing Directions section.

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