

PM 23 2021-6-1-11-11
US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (75-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.
52287-6

DATE OF ISSUANCE
JAN 29 1998

TERM OF ISSUANCE
Unconditional

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT
BARRICADE® 21 WITH TURF FERTILIZER

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

HARRELL'S, INC.
P.O. Box 807
Lakeland, FL 33802

NOTE: Changes in labeling formula 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 U.S. 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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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 section 3(c)(5) provided that you:

1. Add the phrase "EPA Registration No. 52287-6" to the label before you release the product for shipment.
2. Delete the phrase, "(bar2llaw.P65/01-12-98)" from the warranty statements, under "NOTICE"; and "(bar2lorm.PM5/01-13-98)", under "Weeds Controlled".
3. Submit one (1) copy of the final printed labeling before you release the product for shipment.

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 constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

Enclosure

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

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

Joanne I. Miller

DATE

JAN 29 1998

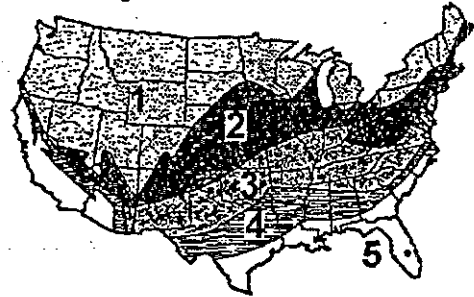
Harrell's Barricade® 21 with Turf Fertilizer

(20 lbs. treats up to 2,815 sq.ft.)

For Selective Preemergence Control of Grass and Broadleaf Weeds in Established Turf Grasses, (excluding golf course putting greens) and Lawns - *Also For Landscape Ornamentals Including Established Perennials and Wildflower Plantings (See Supplemental Label).

ACTIVE INGREDIENT:
 Proflamline [N,N-Di-n-propyl-2,4-dinitro-6-(trifluoromethyl)-m-phenylenediamine] - 0.21%
INERT INGREDIENTS: - 99.79%
 Total 100.00%

Crabgrass Seed Germination Dates



Approximate Date
1. Mid-north & northwestern After May 30
2. Uppermid-states & northeast After May 10
3. Lower mid-states After April 20
4. Upper southern states After Mar 20
5. Warm season states Jan 1 to Mar 20

WEEDS CONTROLLED

When used in accordance with this label this product will provide control of the following weeds:

Barnyardgrass	Henbit	Purslane, Common
Bluegrass, Annual (Poa Anua)	Itchgrass	Pursley, Florida
Capeweed	Johnsongrass (from seed)	Rescuegrass ¹
Chickweed, Common	Juncifera	Shepherd's Purse ²
Chickweed, Mouseear (from seed)	Knobweed	Signalgrass, Bracted
Crabgrass (Large, Smooth)	Kochia	Speedwell, Persian
Crowfootgrass	Lambsquarter, Common	Spangletop
Cupress, Woolly	Lovage	Spurge, Prostrate
Foxtails, Annual	Paricum (Texas, Fall, Brown/Top)	Witchgrass
Goosegrass ³	Pigweed	Woodsonet, Yellow (from seed)

KEEP OUT OF REACH OF CHILDREN
CAUTION

See the following section, Precautionary Statements, Hazards to Humans and Domestic Animals, for additional information. Barricade® is a Registered Trademark of Novartis.

EPA Reg. No. 52287- EPA Est. No. 52287-FL-1

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION: Causes moderate eye injury (irritation). Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Prolonged or frequent repeated skin contact while handling the material may cause allergic reactions in some individuals.

Statements of Practical Treatment
Eyes: Flush thoroughly with water for several minutes. Medical attention if irritation persists. **If on Skin:** Wash soap and water. Rinse thoroughly. Get medical attention if irritation persists. **If inhaled:** Remove victim to fresh air.

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

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **STORAGE:** Store in original container away from other fertilizer, feed, or foodstuffs and separated from other pesticides. **PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **CONTAINER DISPOSAL:** Do not reuse empty bag. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or at an incineration facility, or if allowed by State and local authorities, by burning locally. If burned, stay out of smoke. If product is spilled, sweep up and use as per label instructions or dispose of as indicated above.

DIRECTIONS FOR USE

In accordance with Federal law to use this product in a manner consistent with its labeling. This product is a turf fertilizer selective preemergence herbicide that provides residual control of many grass and broadleaf weeds in established turf grasses (excluding golf course putting greens), and lawns, landscape ornamentals, established perennials and wildflower plantings. It controls susceptible weeds by inhibiting weed seeds germination and root development. Most effective weed control will be obtained when this product is activated by at least 1/2 inch of rainfall, irrigation, or shallow (1 to 2 inches) incorporation, prior to weed seed germination and within 14 days following application. **Not for use on plants being grown:** (1) for sale or other commercial use; (2) for commercial seed production or; (3) for research purposes. **For use on plants intended for esthetic purposes or climatic modification and being grown in ornamental gardens, or parks, or on golf courses, or lawns and grounds.** Do not graze or feed livestock forage cut from areas treated with this product. Do not apply aerially. Do not apply to golf course putting greens. Failure to follow the directions for use and precautions on this label may result in poor weed control, crop injury, or illegal residues.

Application Directions

Apply uniformly with suitable, calibrated application equipment.

ESTABLISHED TURF

This product is a selective preemergence herbicide that, when properly applied, will control certain grass and broadleaf weeds in established turf grass and lawns. The maximum amount of material that may be applied per year is given for each turf grass species in the Maximum Annual Rates section of this label. Most effective weed control in turf grasses will be obtained when this product is activated by at least 1/2 inch of rainfall or irrigation prior to weed seed germination and within 14 days following application. See the map for approximate crabgrass seed germination dates.

USE PRECAUTIONS

The following precautions apply to the use of this product in turf grasses and lawns: (1) Application of this product may thin emerged annual bluegrass and newly overseeded grasses. (2) Do not apply to overseeded turf within 60 days after seeding or until after the second mowing whichever is longer. Injury to desirable seedlings is likely if this product is applied before seedling secondary roots are in the second inch of soil, not thatch plus soil. (3) Do not cut (harvest) treated sod before 120 days after application. Do not apply to newly set sod until the following year. (4) Application to turf stressed by drought, low fertility, or pest damage may result in turf injury. (5) Disturbing the herbicide barrier with cultural practices such as disking may result in reduced weed control. (6) Do not apply this product to putting greens, or areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (Poa annua) are desirable species.

Rates of Application

This product may be applied as a single application or in sequential applications to control weeds germinating throughout the year. All applications must be made prior to germination of the target weeds. This product will not control established weeds. Maximum use rate selection should be based on turf species. The length of time of residual weed control provided by this product is related to the rate applied.

Maximum Annual Rates

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

Turf Species	Maximum Application Rate/Calendar Year of Product by Turf Grass Species ⁽¹⁾	
	Lbs. Product/A	Lbs. ai/A
Creeping Bentgrass	310 lbs.	0.65 lbs.
Creeping Red Fescue	355 lbs.	0.75 lbs.
Buffalograss	475 lbs.	1.00 lbs.
Kentucky Bluegrass	•	•
Perennial Ryegrass	•	•
Bermudagrass ⁽²⁾	715 lbs.	1.50 lbs.
Bahia grass	•	•
Centipedegrass	•	•
Seashore Paspalum	•	•
St. Augustinegrass	•	•
Tall Fescue	•	•
Including turf type Zoysia	•	•
	(/A = per Acre)	

⁽¹⁾These are the maximum rates per calendar year by species limitations. ⁽²⁾May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 248 lbs./A. Newly sprigged or plugged Bermudagrass stolon rooting may be temporarily retarded. Suppression only of Foxtail, Goosegrass and Rescuegrass due to reduced product rates used in sprigging situations. Do not apply more than 715 lbs. of this product per calendar year. Use higher rates of product to achieve higher levels of fertility and longer periods of weed control for each turf type, but do not exceed the maximum application rates specified in the Maximum Annual Rates section. **NOTICE:** Buyer and user assume all risk and liability of use, storage and/or handling of this product not in accordance with the terms of this label. (Bar211m.P6501-13-98)

(1) In many areas a single application of 310 to 715 lbs./A will control goosegrass. However under heavy goosegrass pressure and/or an extended growing season, most effective weed control may be obtained by making an initial application of 310 to 475 lbs./A followed after 60 to 90 days by a second application at doses that would not exceed those given in the Maximum Annual Rates section. Do not exceed the maximum rate for turf grass species listed in the Maximum Annual Rates section. (2) Application for this weed should be made in late summer, fall, or winter prior to germination. (3) Suppression only. Sequential application may be made so long as the total amount of product applied does not exceed the maximum annual application rates recommended for each turf species. All applications must be made prior to germination of the weed seeds.

WHEN TO APPLY AFTER OVERSEEDING TURF

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

SPREADER SETTINGS FOR 20 LBS.	28S	SOFTIZES	SOFTIBS	SOFTIZO	SUPT
Scott's Evergreen 18"	# XX	# XX	# XX	# XX	# XX
Scott's Speedy Broadcast	# XX	# XX	# XX	# XX	# XX
Red Devil Broadcast	# XX	# XX	# XX	# XX	# XX
Republic EZ Drop 18"	# XX	# XX	# XX	# XX	# XX
Republic EZ Broadcast	# XX	# XX	# XX	# XX	# XX
Republic EZ Trac. Broadcast	# XX	# XX	# XX	# XX	# XX

WHEN TO OVERSEED AFTER APPLICATION

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

Product Rate lbs./Acre	Months Before Overseeding	Product		
		North	Transition	South
240	0.50	4	4	4
310	0.65	5	4	4
355	0.75	6	5	5
380	0.80	-	6	6
475	1.00	-	7	7
540	1.14	-	-	9
620	1.30	-	-	10
715	1.50	-	-	12

GUARANTEED FERTILIZER ANALYSIS	
Total Nitrogen (N)	variable %
Available Phosphoric Acid (P ₂ O ₅)	variable %
Soluble Potash (K ₂ O)	variable %
Ingredients: Ureaformaldehyde, Urea, Sulfur Coated Urea, Ammonium Phosphate, Muriate of Potash	

***FOR USE ON LANDSCAPE ORNAMENTALS**
 (Including Established Perennials and Wildflower Plantings) This product may be applied for residual preemergence weed control in ornamental plantings. **FOR COMPLETE DETAILS AND DIRECTIONS FOR USE ON ORNAMENTAL PLANTS ASK YOUR DEALER FOR A COPY OF THE SUPPLEMENTAL LABEL FOR USE OF THIS PRODUCT ON LANDSCAPE ORNAMENTALS.**

ACCEPTED
with COMMENTS
In EPA Letter Dated
JAN 29 1998
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 52287-6

Net Weight 20; 40; 50 Pounds

HARRELL'S, INC.
 P.O. Box 807 - Lakeland, FL 33802 U.S.A.

HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION: Causes moderate eye injury (irritation). Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Prolonged or frequent repeated skin contact while handling the material may cause allergic reactions in some individuals.

Statements of Practical Treatment
In Eyes: Flush thoroughly with water for several minutes. Get medical attention if irritation persists. **If on Skin:** Wash with soap and water. Rinse thoroughly. Get medical attention if irritation persists. **If Inhaled:** Remove victim to fresh air.

ENVIRONMENTAL HAZARDS
 This product has low solubility in water. At the limit of solubility, this product is not toxic to fish. However at concentrations above the level of water solubility, it may be toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment washwaters. **If product is spilled,** sweep up and use per label instructions or dispose of as indicated under STORAGE AND DISPOSAL.

STORAGE AND DISPOSAL
 Do not contaminate water, food or feed by storage or disposal. **STORAGE:** Store in original container away from other fertilizer, feed or foodstuffs, and separated from other pesticides. **PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **CONTAINER DISPOSAL:** Do not reuse empty bag. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or at an incineration facility, or if allowed by State and local authorities, by burning locally if burned stay out of smoke.

DIRECTIONS FOR USE
 It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This product is a selective emergence herbicide that provides residual control of grass and broadleaf weeds in landscape ornamentals, established perennials and wildflower plantings. This product controls susceptible weeds by inhibiting weed seed germination and root development. Most effective weed control will be obtained when it is activated by at least 1/2 inch of rainfall, irrigation, or shallow (1 to 2 inches) incorporation, prior to weed seed germination and within 14 days following application.

Not for use on plants being grown: (1) for sale or other commercial use; (2) for commercial seed production or; (3) for research. For use on plants intended for esthetic purposes or climatic modification and being grown in ornamental gardens, or parks, or on golf courses, and grounds. Do not graze or feed livestock forage cut from areas treated with this product. Do not apply aerially. Do not apply to golf course putting greens. Failure to follow the directions for use and precautions on this label may result in poor weed control, crop injury, or illegal residues.

Application Directions
 Apply uniformly through suitable, calibrated, hand held, push or pull type granule spreader application equipment.

Rates of Application
 This product may be applied as a single application or in sequential applications to control weeds germinating throughout the year. All applications must be made prior to germination of the target weeds. This product will not control established weed. The length of time of residual weed control provided by this product is related to the rate applied.

WEEDS CONTROLLED

When used in accordance with this label this product will provide control of the following weeds:

- | | | |
|---------------------------------|--------------------------|--------------------------------|
| Barnyardgrass | Henbit | Purslane, Common |
| Bluegrass, Annual (Poa Annual) | Hoagras | Pusley, Florida |
| Carpetweed | Johnsongrass (from seed) | Rescuegrass |
| Chickweed, Common | Juncletide | Shepherd's Purse |
| Chickweed, Mouseear (from seed) | Knotweed | Signalgrass, Broadleaf |
| Craggrass (Large, Smooth) | Kochia | Speedwell, Persian |
| Crowfootgrass | Lambsquarters, Common | Sprangletop |
| Cupgrass, Woolly | Lovegrass | Source, Prostrate |
| Foxtails, Annual | Paricum (Texas, Fall) | Witchgrass |
| Goosegrass | Pigweed | Woodsorrel, Yellow (from seed) |

(1) In many areas a single application of 310 to 715 lbs. per acre will control goosegrass. However under heavy goosegrass pressure and/or an extended growing season, most effective weed control may be obtained by making an initial application of 310 to 475 lbs. per acre followed after 60 to 90 days by a second application at doses that would not exceed a total of 715 lbs. per season. (2) Application for this weed should be made in late summer, fall, or winter prior to germination (3) Suppression Only. Sequential application may be made so long as the total amount of product applied does not exceed the maximum annual application rate of a total of 715 lbs. All applications must be made prior to germination of the weed seeds. (bar21cm, PM501-13-98)

GUARANTEED FERTILIZER ANALYSIS

Total Nitrogen (N)	variable %
Available Phosphoric Acid (P ₂ O ₅)	variable %
Soluble Potash (K ₂ O)	variable %

Ingredients: Ureaformaldehyde, Urea, Sulfur Coated Urea, Ammonium Phosphate, Muriate of Potash

NOTICE: Buyer and user assume all risk and liability of use, storage and/or handling of this product and in accordance with the terms of this label.

For preemergence weed control in Lawns and Ornamental Turf refer to this product's basic label for that purpose.

Net Weight (5),(10),(20),(40),(60) Pounds
Harrell's Inc.
 P.O. Box 807 - Lakeland, FL 33802

and within 4 days following application. Best weed control is obtained when this product is applied to soil free of clods, weeds, and debris such as leaves. Prior to application of this product, control existing vegetation by hand weeding, cultivation, or the use of an appropriate postemergence herbicide.

Established Landscape Ornamentals
 This product may be applied to established ornamentals as a broadcast, over the top, or directed application. Irrigation or rainfall soon after application will wash residues off plant foliage and activate this product into the soil.

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

Tolerant Ornamental Species
 This product will not harm most trees, shrubs, vines and flowers. The species listed below are tolerant to this product. Best results will be obtained when this product is uniformly applied to the soil surface; avoid applying to ornamental shoots which may defeat the effort to get uniform distribution on the soil surface. This product may be applied over the top of these species. When plants are under stress (such as heat, drought, or frost damage) some cultivars of listed plants may be sensitive to this product.

Scientific Name	Common Name
<i>Abies spp.</i>	Fir species** (Balsam, Fraser, Noble, etc.)
<i>Abelia grandiflora</i>	Abelia; Sherwood
<i>Acer palmatum</i>	Japanese Maple
<i>A. platanoides</i>	Norway Maple
<i>Achillea, sp.</i>	Yarrow; King Edward
<i>Actinidia chinensis</i>	Kiwi*
<i>Agapanthus africanus</i>	Lily-of-the-Nile (African Lily)
<i>Agapanthus orientalis</i>	
<i>Akebia quinata</i>	Five-Leaf or Chocolate Vine
<i>Allium cernuum</i>	Lady's Leek, Nodding Onion
<i>Anemone hybrida</i>	Japanese Anemone
<i>Aquilegia sp.</i>	Aquilegia; Red and Gold
<i>Arctostaphylos densiflora</i>	Vine Hill Manzanita
<i>Arctotheca calendula</i>	Cape Weed
<i>Artemisia sp.</i>	Wormwood; Silver Mound, Castile
<i>Aster sp.</i>	Aster; Bonny Blue, Purple Dome
<i>Aster X Frikaril</i>	
<i>Athrum Filix-femina</i>	Lady Fern; Fern Lady
<i>Aucuba japonica</i>	Japanese Aucuba
<i>Begonia sp.</i>	Fibrous Begonia; Hardy Grandis
<i>Berberis gladywensis</i>	Barberry
<i>B. julianae</i>	Wintergreen Barberry
<i>B. mentorensis</i>	Mentor Barberry
<i>B. thunbergii</i>	Japanese Barberry
<i>B. varicellata</i>	Warty Barberry
<i>Berberis cordifolia</i>	
<i>Bolonia asteroides</i>	Snowbank
<i>Bougainvillea spp.</i>	Bougainvillea
<i>Buddleia davidii</i>	Butterfly-Bush (Dwarf Blue); Royal Red
<i>Buxus microphylla</i>	Japanese Boxwood
<i>Callistemon viminalis</i>	Weeping Bottlebrush
<i>Calluna vulgaris</i>	Scotch Heather
<i>Campanula carpatica</i>	Tussock Bellflower, (White-Clips)
<i>Campis X Tagliabuana</i>	Trumpet Creeper, Trumpet Flower, Madame Galen
<i>Carpobrotus edulis</i>	Hottentot Fig (Ice Plant)
<i>Cassia artemisioides</i>	Feastery Cassia
<i>Ceanothus rigidus</i>	Wild Lilac
<i>Ceratopogon plumbeooides</i>	
<i>Chamaecyparis pisifera</i>	False Cypress
<i>Chrysanthemum nipponicum</i>	
<i>Cleyera japonica</i>	Cleyera
<i>Citrus spp.</i>	<i>Citrus species*</i>
<i>Coreopsis sp.</i>	Coreopsis (Calliopata); Early Sunrise, Moonbeam
<i>Comus florida</i>	Flowering Dogwood
<i>C. atoniflora</i>	American Dogwood
<i>Cortaderia selloana</i>	Pampas Grass
<i>Coloneaster apiculatus</i>	Cornflower
<i>C. buxifolia</i>	Cornflower
<i>C. dammeri</i>	Barberry Cotoneaster
<i>C. microphylla</i>	Barberry Cotoneaster
<i>Crataegus spp.</i>	Rockspray Cotoneaster
<i>Crocosmia sp.</i>	Hawthorne
<i>Crocodylia sp.</i>	Lucifer
<i>Cupressus sempervirens</i>	Hellian Cypress
<i>Delosperma alba</i>	White trailing Ice Plant
<i>Delosperma sp.</i>	Cooper Pink
<i>Delphinium sp.</i>	Larkspur; Blue Elf
<i>Dianthus delicoides</i>	Dianthus; Maiden Pinks "Zing"
<i>D. granatopolitanus</i>	Cheddar Pink
<i>Doonaea viscosa</i>	Hop Bush
<i>Echinacea purpurea</i>	Coneflower, Purple; Magnus
<i>Elaeagnus pungens</i>	Silverberry
<i>Euonymus fortunei</i>	Wintercreeper
<i>E. japonica</i>	Japanese Spindle Tree (Evergreen Euonymus)
<i>E. klatschovica</i>	Spreading Euonymus
<i>Fatsia japonica</i>	Japanese Aralia
<i>Forsythia intermedia</i>	Border Forsythia
<i>F. suspensa</i>	Weeping Forsythia
<i>F. viridissima</i>	Greenleaf Forsythia
<i>Gallardia sp.</i>	Gallardia, Blanket Flower; "Goblin"
<i>Gardenia jasminoides</i>	Gardenia, Cape-Jasmine, Radicans
<i>Gaura sp.</i>	
<i>Gentiana dahurica</i>	Gentian
<i>Gonolobum chinense</i>	Cranesbill
<i>Gladiolus spp.</i>	Gladiolus species**
<i>Gypsophila repens</i>	Baby's Breath
<i>Hedera helix</i>	English Ivy
<i>Heliopsis scabra</i>	Sunrose
<i>Hemerocallis sp.</i>	Daylily; Aztec Gold, Stella De Oro, Tender Love
<i>Hibiscus</i>	Rose of Sharon
<i>Hibiscus sp.</i>	Mallow; Disco Belle White
<i>Hibiscus rosa-sinensis</i>	Chinese Hibiscus
<i>Hosta plantaginea</i>	Hosta, Plantain Lily (Fragrant)
<i>H. sieboldiana</i>	Hosta, "Searsucker"
<i>Houttuynia cordata var. variegata</i>	Bigleaf Hydrangea
<i>Hydrangea macrophylla</i>	

- L. lucidum*
- Lilium sp.*
- Liriope muscari*
- Liriope Muscari var. variegata*
- Liriope spicata*
- Lobelia cardinalis*
- Lonicera japonica*
- L. tatarica*
- Loropetalum chinense*
- Lythrum sp.*
- Magnolia spp.*
- Malephora luteola*
- Malus sp.*
- Miscanthus sinensis*
- Nandina domestica*
- Narcissus spp.*
- Nerium oleander*
- Olea europaea*
- Ophilopogon japonicus*
- Osmanthus heterophyllus*

- Osteospermum frutescens*
- Oxydendrum arborescens*
- Paeonia suffruticosa*
- Pennisetum setaceum*
- Perovskia atriplicifolia*
- Persea americana*
- Photinia fraseri*
- Physocelia virginiana*
- Picea spp.*
- Pinus brutia*
- P. canariensis*
- P. elliotii*
- P. halepensis*
- P. nigra*
- P. palustris*
- P. radiata*
- P. thunbergiana*
- P. strobus*
- P. sylvestris*
- P. taeda*
- P. virginiana*
- Pistacia sp.*
- Pittosporum rhombifolium*
- P. tobira*
- Pococarpus macrophyllus*
- Prunus laurocerasus*
- Prunus sp.*
- Pseudotsuga menziesii*
- Pyraeantha coccinea*
- P. fortuneana*
- P. koidzumii*
- Pyrus sp.*
- Quercus shumardii*
- Quercus spp.*
- Raphiolepis indica*
- Raphiolepis umbellata*
- Rhododendron*
- (including Azalea)
- Rosa banksiae*
- Rosmarinus officinalis*
- Rudbeckia sp.*
- Santolina, virena*
- Saxifraga sp.*
- Scabiosa sp.*
- Sedum album*
- Sedum caudatum*
- Sedum dasycarpum*
- Sedum spuriatum*
- Spiraea Bumalda*
- Syrzygium paniculatum*
- Taxus cuspidata*
- T. media*
- Teucrium sp.*
- Thalictrum dipterocarpum*
- Thuja occidentalis*
- Trachelospermum asiaticum*
- Tsuga canadensis*
- Tulipa spp.*
- Veronica sp.*
- Viburnum japonicum*
- V. odoratissimum*
- V. plicatum*
- V. rigidum*
- V. suspensum*
- V. tinus*
- V. trilobatum*
- V. wrightii*
- Vinca major*
- Vinca minor*
- Vitis sp.*
- Welgeia florida*
- Yucca aloifolia*
- Y. filamentosa*

- Trailing African Daisy
- Sourwood
- Tree Fern
- Fountain Grass (Dwarf)
- Avocado*
- Fraser's Phloxia (Redlip)
- Dragonhead, False; Vivid Spruce species** (Colorado Blue, Norway, etc.)
- Lily-of-the-Valley Bush
- Calabrian Pine
- Canary Island Pine
- Slash Pine
- Aleppo Pine
- Ausilian Pine
- Longleaf Pine
- Monterey Pine
- Japanese Black Pine
- Eastern White Pine
- Scotch Pine
- Globloby Pine
- Virginia Pine
- Pistachio*
- Queensland Pittosporum
- Japanese Pittosporum
- Japanese Yew
- English Laurel
- Almond, Apricot, Neclarine, Peach, Plum and Prune*
- Douglas Fir**
- Firethorn (Scarlet)
- Firethorn
- Bradford Pear sp.
- Oak, Shumard's Red
- Oak species
- Indian Hawthorne
- Yucca Hawthorn
- Coral Belle
- Delaware Valley White*
- Flame Creeper
- "Formosa"
- "Girard Crimson"
- "George L. Taber"
- "Hino-crimson"
- "J.M."
- "Rosaum-Elegans"
- "White Gumbo"
- "White Bank's Rose"
- Rosemary
- Black-Eyed Susan; Goldstrum
- Santoline
- Saxifrage; Purple Dome
- Pincushion Flower
- Stoncrop
- Stoncrop; Lidakense
- Stoncrop
- Stoncrop; Dragon's Blood
- Spiraea; Anthony Waterer
- Australian Brushcherry
- Japanese Yew
- Yew
- Germander
- Meadow Rue
- American Arborvitae
- Star Jasmine
- Canada Hemlock
- Tulip species
- Veronica, Speedwell; Sunny Border
- Japanese Viburnum
- Sweet Viburnum
- Japanese Snowball
- Canary Island Viburnum
- Arrowwood Viburnum
- Laurelunus
- Cranberry Bush
- Leatherleaf Viburnum
- Greater Periwinkle, Vinca
- Common Periwinkle, Vinca
- Grape*
- Old Fashioned Welgeia
- Spanish Bayonet, Yucca
- Adam's Needle, Yucca

- Rosa banksiae*
- Rosmarinus officinalis*
- Rudbeckia sp.*
- Santolina, virena*
- Saxifraga sp.*
- Scabiosa sp.*
- Sedum album*
- Sedum caudatum*
- Sedum dasycarpum*
- Sedum spuriatum*
- Spiraea Bumalda*
- Syrzygium paniculatum*
- Taxus cuspidata*
- T. media*
- Teucrium sp.*
- Thalictrum dipterocarpum*
- Thuja occidentalis*
- Trachelospermum asiaticum*
- Tsuga canadensis*
- Tulipa spp.*
- Veronica sp.*
- Viburnum japonicum*
- V. odoratissimum*
- V. plicatum*
- V. rigidum*
- V. suspensum*
- V. tinus*
- V. trilobatum*
- V. wrightii*
- Vinca major*
- Vinca minor*
- Vitis sp.*
- Welgeia florida*
- Yucca aloifolia*
- Y. filamentosa*

*Do not use on food producing trees, vines, or plants.
 **Not for use on conifers and plants.

with COMMENTS
In EPA Letter Dated
JAN 29 1998

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 52087-6