

PM 23

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (TS-767)
WASHINGTON, DC 20460

557-2027

EPA REGISTRATION NO.

557-2027

DATE OF ISSUANCE

JUL

7, 1998

7/7/98

NOTICE OF PESTICIDE

(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

☒ REGISTRATION
☐ REREGISTRATION

TERM OF ISSUANCE
Unconditional

NAME OF PESTICIDE PRODUCT

par ex[®] fertilizer plus crabgrass
preventer with 0.475% BARRICADE[®]
Preemergence Herbicide

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

IMC Vigoro
P.O. Box 512
winter Haven, FL 33882

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. 557-2027" to the label before you release the product for shipment.
2. 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.

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

Enclosure

☐ ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

Joanne I. Miller

DATE

JUL 7 1998

2/18

par ex[®] fertilizer plus crabgrass

preventer with

0.475% BARRICADE[®] PREEMERGENCE HERBICIDE

Guaranteed Fertilizer Analysis:

Nitrogen	27.0% (N)
Phosphorus	2.0% (P ₂ O ₅)
Potassium	5.0% (K ₂ O)

Nitrogen from: Urea, Ammonium Phosphate, Muriate of Potash

IMC Vigoro

For selective preemergence control of grass and broadleaf weeds in:

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

Active Ingredient:

Prodiamine, [N³, N³-Di-n-propyl-2,4-dinitro-6-(trifluoromethyl)-m-phenylenediamine..... 0.475%

Inert Ingredients: 99.525%

Total: 100.00%

NET WT. 50 LBS. (22.6 kg)

EPA Reg. No. 557-

EPA Est. No. 557-OH1, 557-FL1, 557-CA1

KEEP OUT OF REACH OF CHILDREN.

CAUTION

ACCEPTED
with COMMENTS
In EPA Letter Dated

JUL - 7 1998

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

557-2027

See the following sections, Precautionary Statements,
Hazards To Humans and Domestic Animals, for additional
information.

IMC Vigoro
150 3rd Street S.W.
Winter Haven, FL 33882

Par ex[®] is a registered trademark of IMC Vigoro
BARRICADE[®] is a registered trademark of NOVARTIS

3/18

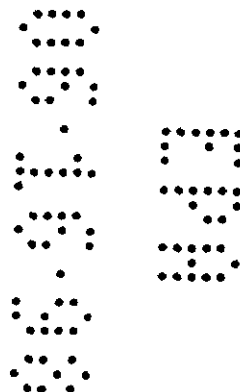
DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

IMPORTANT: Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product. If terms are unacceptable, return the unopened product container at once.

Conditions of Sale and Warranty

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of IMC Vigoro. All such risks shall be assumed by the Buyer.

IMC Vigoro warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. IMC Vigoro makes no other express or implied Warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall IMC Vigoro be liable for consequential, special, or indirect damages resulting from the use or handling of this Product. IMC Vigoro offers this product, and the Buyer and user accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of IMC Vigoro.



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 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

This product controls susceptible weeds by inhibiting weed seeds germination and root development. Most effective weed control will be obtained when this product is activated by at least 0.5 inches of rainfall or irrigation, or with shallow (1-2 inches) incorporation, prior to weed seed germination and within 14 days following application.

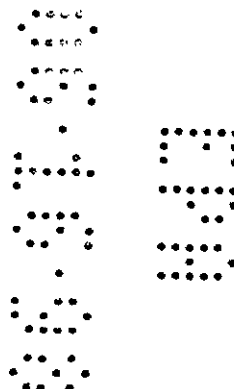
Not for use on plants being grown (1) for sale or other commercial use, (2) for commercial seed production, or (3) for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in ornamental gardens or parks, or on golf courses or lawns and grounds.

Do not graze or feed livestock forage cut from areas treated with Barricade.

Do not apply aurally.

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

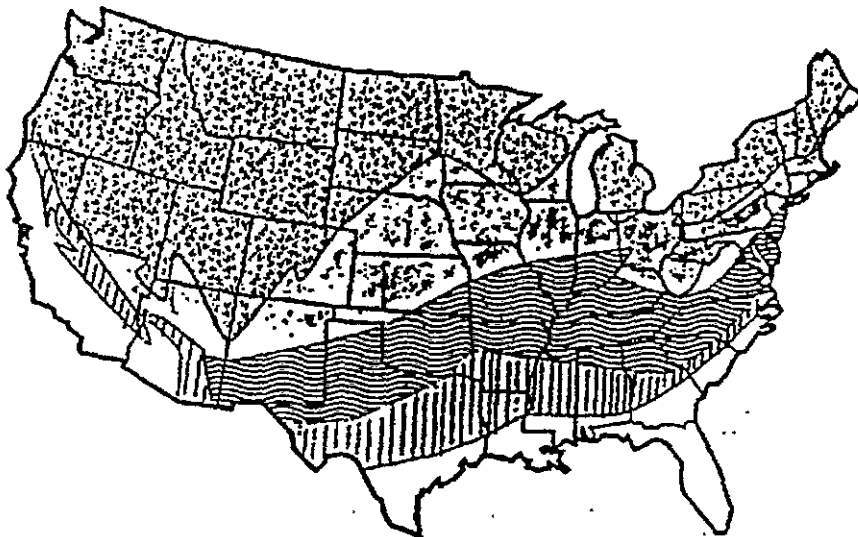
Apply uniformly with suitable, calibrated application equipment.

ESTABLISHED TURF






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

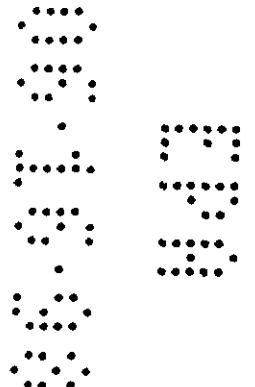
Most effective weed control in turf grasses will be obtained when this product is activated by at least 0.5 inches of rainfall or irrigation prior to weed seed germination and within 14 days following application. See the map below for approximate crabgrass seed germination dates.

CRABGRASS SEED GERMINATION DATES



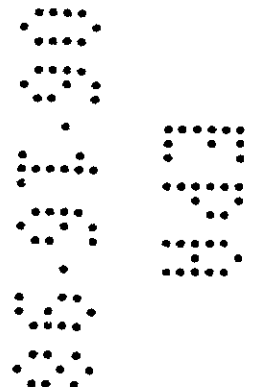
Approximate Date

-  After May 30
-  After May 10
-  After April 20
-  After March 20
-  January 1 to March 20



6/18

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 of this product 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

Barricade 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:

Maximum Application Rate/Calendar Year of Par Ex fertilizer with 0.475% Barricade by Turf Grass Species ⁽¹⁾		
Turf Species:	Lbs. Product/A	Lbs. ai/A
Bermudagrass ⁽²⁾ Bahia grass Centipedegrass Seashore Paspalum St. Augustine grass Tall Fescue (including turf-type) Zoysia	316	1.5
Buffalograss Kentucky Bluegrass Perennial Ryegrass	210	1.0
Creeping Red Fescue	158	0.75
Creeping Bentgrass	137	0.65

⁽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 110 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 316 lbs. of this product per calendar year.
- Use higher rates of this 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 Table.

Weeds Controlled

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

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

¹In many areas a single application of 137 to 316 lbs./A of this product will control goosegrass. However, under heavy goosegrass pressure and/or an extended growing season, most effective weed control may be obtained by making an initial application of 137 to 210 lbs./A followed after 60 to 90 days by a second application at doses that would not exceed those given in the Maximum Annual Rate Table. Do not exceed the maximum rate for turf grass species listed in the Maximum Annual Rate Table above.

²Applications for this weed should be made in late summer, fall, or winter prior to germination.

³Suppression only.

Sequential applications 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.

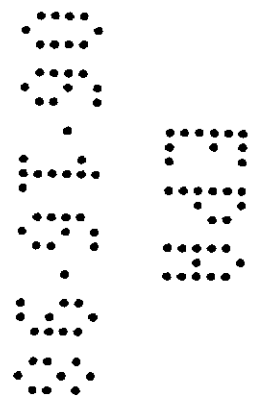
WHEN TO APPLY AFTER OVERSEEDING TURF

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.

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.

Par Ex fertilizer with 0.475% Barricade Rate (lb./A)		Months Before Overseeding		
Product	ai	North	Transition	South
105	.50	4	4	4
139	.66	5	4	4
156	.74	6	5	5
168	.80	-	6	6
210	1.00	-	7	7
240	1.14	-	-	9
274	1.30	-	-	10
316	1.50	-	-	12



10/18

LANDSCAPE ORNAMENTALS (including Established Perennials and Wildflower Plantings)

This product may be applied for residual preemergence weed control in ornamentals.

Use Rates

Apply this product at 139 to 316 lbs./A in fall and/or spring. Use higher rates of application for longer control periods. Sequential applications may be made so long as the total amount of product applied does not exceed the maximum annual application rate of 316 lbs./A.

Application Timing and Information

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

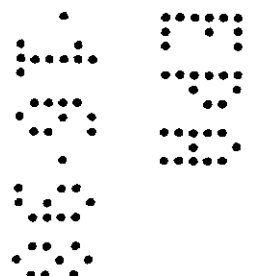
Best weed control is obtained when this product is applied to soil free of clods, weeds, and debris such as leaves. Prior to application of this product, control existing vegetation by hand weeding, cultivation, or the use of an appropriate postemergence herbicide.

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 in 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 this product after cuttings form roots and become established. Apply before budding/grafting or after buds/grafts have taken to avoid any inhibition of the tissue union.



11/18

Tolerant Ornamental Species

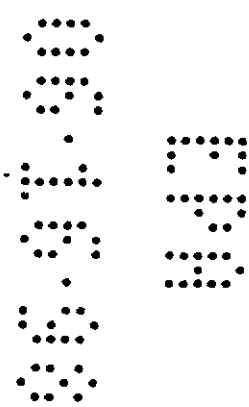
This product will not harm most trees, shrubs, vines and flowers. The species listed below are tolerant to this product. Best results will be obtained when this product is uniformly applied to the soil surface; avoid applying to ornamental shoots which may defeat the effort to get uniform distribution 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.

<u>Scientific Name</u>	<u>Common Name</u>
<i>Abies</i> spp.	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</i> , sp.	Yarrow: King Edward
<i>Actinidia chinensis</i>	Kiwi*
<i>Agapanthus africanus</i>	Lily-of-the-Nile (African Lily)
<i>Agapanthus orientalis</i>	
<i>Akebia quintata</i>	Five-Leaf or Chocolate Vine
<i>Allium cernuum</i>	Lady's Leek, Nodding Onion
<i>Anemone hybrida</i>	Japanese Anemone
<i>Aquilegia</i> sp.	Aquilegia: Red and Gold
<i>Arctostaphylos densiflora</i>	Vine Hill Manzanita
<i>Arctotheca calendula</i>	Cape Weed
<i>Artemesia</i> sp.	Wormwood; Silver Mound, Castle
<i>Aster</i> sp.	Aster: Bonny Blue, Purple Dome
<i>Aster X. Frikartii</i>	
<i>Athrium Filiz-femina</i>	Lady Fern; Fern Lady
<i>Aucuba japonica</i>	Japanese Aucuba
<i>Begonia</i> sp.	Fibrous Begonia: Hardy Grandis
<i>Berberis gladwynensis</i>	Barberry
<i>B. julianae</i>	Wintergreen Barberry
<i>B. mentorensis</i>	Mentor Barberry
<i>B. thunbergii</i>	Japanese Barberry
<i>B. verruculosa</i>	Warty Barberry
<i>Bergenia cordifolia</i>	
<i>Boltonia asteroides</i>	Snowbank
<i>Bougainvillea</i> spp.	Bougainvillea
<i>Buddleia davidii</i>	Butterfly-Bush (Dwarf Blue); Royal Red

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

** Not for use on container grown plants.

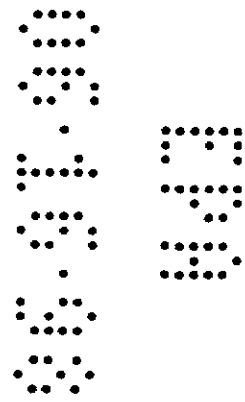


Scientific NameCommon Name

<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 artemisoides</i>	Feathery Cassia
<i>Ceanothus rigidus</i>	Wild Lilac
<i>Ceratostigma plumbagonoides</i>	
<i>Chamaecyparis pisifera</i>	False Cypress
<i>Chrysanthemum nipponicum</i>	
<i>Cleyera japonica</i>	Cleyera
<i>Citrus spp.</i>	Citrus species
<i>Coreopsis sp.</i>	Coreopsis (Calliopsis): Early Sunrise, Moonbeam
<i>Cornus florida</i>	Flowering Dogwood
<i>C. stolonifera</i>	American Dogwood
<i>Cortaderia selloana</i>	Pampas Grass
<i>Cotoneaster apiculatus</i>	Cranberry Cotoneaster
<i>C. buxifolius</i>	Cotoneaster
<i>C. dammeri</i>	Bearberry Cotoneaster
<i>C. microphyllus</i>	Rockspray Cotoneaster
<i>Cretaeus spp.</i>	Hawthorne
<i>Crococsmia sp.</i>	Lucifer
<i>Cupressus sempervirens</i>	Italian Cypress
<i>Delosperma alba</i>	White Trailing Ice Plant
<i>Delosperma sp.</i>	Cooperi Pink
<i>Delphinium sp.</i>	Larkspur: Blue Elf
<i>Dianthus deltoides</i>	Dianthus; Maiden Pinks "Zing"
<i>D. gratianopolitanus</i>	Cheddar Pink
<i>Dodonea 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. kiautschovica</i>	Spreading Euonymus
<i>Fatsia japonica</i>	Japanese Aralia
<i>Forsythia intermedia</i>	Border Forsythia
<i>Forsythia suspensa</i>	Weeping Forsythia
<i>F. viridissima</i>	Greenstem Forsythia

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

** Not for use on container grown plants.



<u>Scientific Name</u>	<u>Common Name</u>
<i>Gaillardia</i> sp.	<i>Gaillardia</i> , Blanket Flower: "Goblin"
<i>Gardenia jasminoides</i>	<i>Gardenia</i> , Cape-Jasmine, Radicans
<i>Gaura</i> sp.	Gentian
<i>Gentiana dahurica</i>	Cranesbill
<i>Geranium cinereum</i>	<i>Gladiolus</i> species**
<i>Gladiolus</i> spp.	Baby's Breath
<i>Gypsophila repens</i>	English Ivy
<i>Hedera helix</i>	Sunrose
<i>Hellanthemum</i> sp.	Daylily: Aztec Gold, Stella De Oro, Tender Love
<i>Hemerocallis</i> sp.	Rose of Sharon**
<i>Hibiscus</i>	Mallow: Disco Belle White
<i>Hibiscus</i> sp.	Chinese Hibiscus
<i>Hibiscus rosa-sinensis</i>	<i>Hosta</i> , Plantain Lily (Fragrant)
<i>Hosta plantaginea</i>	<i>Hosta</i> , "Searsucker"
<i>H. Sieboldiana</i>	
<i>Houttuynia cordata</i> var. variegata	
<i>Hydrangea macrophylla</i>	Bigleaf Hydrangea
<i>Ilex bernyi</i>	Holly
<i>Ilex cornuta</i>	Chinese Holly
<i>I. crenata</i>	Japanese Holly; Helleri
<i>I. opaca</i>	American Holly
<i>I. vomitoria</i>	Yaupon Holly; Schillings
<i>Inula ensifolia</i>	
<i>Iris ensata</i>	Sword-Leaved Iris; Jodlesong
<i>Iris siberica</i>	Siberian Iris; Cabernet
<i>Iris</i> spp.	<i>Iris</i> species**
<i>Jasminum nudiflorum</i>	Winter Jasmine
<i>Juniperus chinensis</i>	Chinese Juniper; Nick's Compact, Parsonii
<i>J. conferta</i>	Shore Juniper; Blue Pacific
<i>J. davurica</i>	Parsoni
<i>J. horizontalis</i>	Creeping Juniper
<i>Juglans</i> sp.	Walnut*
<i>Justicia brandegeana</i>	Shrimp Plant
<i>Lagerstromia indica</i>	Crape Myrtle
<i>Lagerstromia indica</i> X Fauriei	Crape Myrtle; Tuscarora
<i>Lantana montevidensis</i>	Weeping Lantana
Lavender sp.	Lavender; Munstead
<i>Leontopodium alpinum</i>	Edelweiss
<i>Ligustrum sinense</i>	Chinese Privet; Variegata
<i>Ligustrum amurense</i>	Amur Privet

* Do not use on food producing trees, vines, or plants.
 ** Not for use on container grown plants.

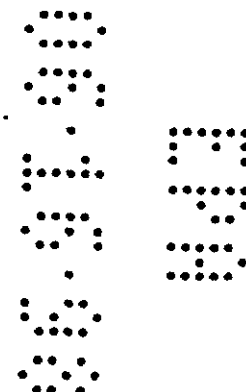
14/18

Scientific NameCommon Name

<i>L. japonicum</i>	Japanese Privet
<i>L. lucidum</i>	Glossy Privet (Waxleaf)
<i>Lilium</i> sp.	Lily; Jazz
<i>Liriope muscari</i>	Big Blue Lily; Turf; Silver Mound; Evergreen Giant
<i>Liriope Muscari</i> var. <i>variegata</i>	Liriope, Variegated
<i>Lilium spicata</i>	Liriope, Creeping
<i>Lobelia Cardinalis</i>	Cardinal Flower, Indian Pink
<i>Lonicera japonica</i>	Japanese Honeysuckle
<i>L. tatarica</i>	Tatarian Honeysuckle
<i>Loropetalum chinense</i>	Burgundy
<i>Lythrum</i> sp.	Loosestrife; Modern Pink
<i>Magnolia</i> spp.	Magnolia species**
<i>Maleophora luteola</i>	Ice Plant
<i>Malus</i> sp.	Crabapple*
<i>Miscanthus sinensis</i>	Yaku Jima, Silberfeder
<i>Nandina domestica</i>	Heavenly Bamboo
<i>Narcissus</i> spp.	Narcissus species**
<i>Nerium oleander</i>	Oleander
<i>Olea europaea</i>	Olive*
<i>Ophiopogon japonicus</i>	Mondo Grass
<i>Osmanthus heterophyllus</i>	Osmanthus (False Holly): Gulf Tide
<i>Osteospermum fruticosum</i>	Trailing African Daisy
<i>Oxydendrum arboreum</i>	Sourwood
<i>Paeonia suffruticosa</i>	Tree Peony
<i>Pennisetum setaceum</i>	Fountain Grass (Dwarf)
<i>Perovskia atriplicifolia</i>	Avocado*
<i>Persea americana</i>	Frasier's Photinia (Redtip)
<i>Photnia fraseri</i>	Dragonhead, False; Vivid
<i>Physotegia Virginiana</i>	Spruce species** (Colorado Blue, Norway, etc.)
<i>Picea</i> spp.	Lily-of-the-Valley Bush
<i>Pieris japonica</i>	Calabrian Pine
<i>Pinus brutia</i>	Canary Island Pine
<i>P. canariensis</i>	Slash Pine
<i>P. elliotii</i>	Aleppo Pine
<i>P. halepensis</i>	Austrian Pine
<i>P. nigra</i>	Longleaf Pine
<i>P. palustris</i>	Monterey Pine
<i>P. radiata</i>	Japanese Black Pine
<i>P. thunbergiana</i>	Eastern White Pine
<i>P. strobus</i>	

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

** Not for use on container grown plants.



Scientific NameCommon Name

P. sylvestris
P. taeda
P. virginiana
Pistachio sp.
Pittosporum rhombifolium
P. tobira
Podocarpus macrophyllus
Prunus laurocerasus
Prunus sp.

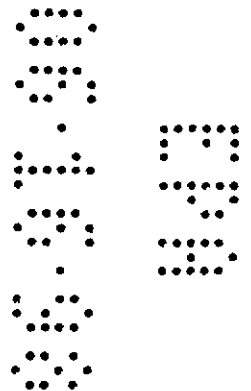
Pseudotsuga menziesii
Pyracantha coccinea
P. fortuneana
P. koidzumii
Pyrus sp.
Quercus Shumardii
Quercus spp.
Raphiolepis indica
Raphiolepis umbellata
Rhododendron
 (including *Azalea*)

Rosa banksiae
Rosmarinus officinalis
Rudbeckia sp.
Santolina, virens
Saxifraga sp.
Scabiosa sp.
Sedum album
Sedum cauticola
Sedum dasyphyllum
Sedum spurium
Spiraea Bumalda

Scotch Pine
 Loblolly Pine
 Virginia Pine
 Pistachio*
 Queensland Pittosporum
 Japanese Pittosporum
 Japanese Yew
 English Laurel
 Almond, Apricot, Nectarine,
 Peach, Plum and Prune*
 Douglas Fir**
 Firethorn (Scarlet)
 Firethorn
 Firethorn
 Bradford Pear sp.
 Oak, Shumard's Red
 Oak species
 Indian Hawthorne
 Yedda Hawthorn
 'Coral Bells'
 'Delaware Valley White'
 'Flame Creeper'
 'Formosa'
 'Girard Crimson'
 'George L. Tabor'
 'Hino-crimson'
 'PJM'
 'Roseum Elegans'
 'Wakeiebisu'
 'White Gumbo'
 Lady Bank's Rose
 Rosemary*
 Black-Eyed Susan; Goldstrum
 Santolina
 Saxifrage; Purple Dome
 Pincushion Flower
 Stonecrop
 Stonecrop; Lidakense
 Stonecrop
 Stonecrop; Dragon's Blood
 Spirea: Anthony Waterer

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

** Not for use on container grown plants.

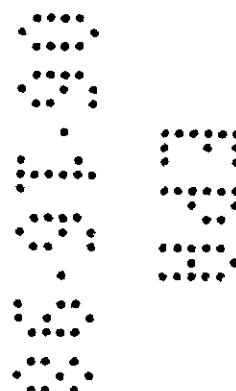


Scientific NameCommon Name

<i>Syzygium paniculatum</i>	Australian Brushcherry
<i>Taxus cuspidata</i>	Japanese Yew
<i>T. media</i>	Yew
<i>Teucrium</i> sp.	Germander
<i>Thalictrum dipterocarpum</i>	Meadow Rue
<i>Thuja occidentalis</i>	American Arborvitae
<i>Trachelospermum asiaticum</i>	Star Jasmine
<i>Tsuga canadensis</i>	Canada Hemlock
<i>Tulipa</i> spp.	Tulip species
<i>Veronica</i> sp.	Veronica, Speedwell; Sunry Border
<i>Viburnum japonicum</i>	Japanese Viburnum
<i>V. odoratissimum</i>	Sweet Viburnum
<i>V. plicatum</i>	Japanese Snowball
<i>V. rigidum</i>	Canary Island Viburnum
<i>V. suspensum</i>	Arrowood Viburnum
<i>V. tinus</i>	Laurustinus
<i>V. trilobium</i>	Cranberry Bush
<i>V. wrightii</i>	Leatherleaf Viburnum
<i>Vinca major</i>	Greater Periwinkle, Vinca
<i>Vinca minor</i>	Common Periwinkle, Vinca
<i>Vitis</i> sp.	Grape*
<i>Weigela florida</i>	Old Fashioned Weigela
<i>Yucca aloifolia</i>	Spanish Bayonet, Yucca
<i>Y. filamentosa</i>	Adam's Needle, Yucca

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

** Not for use on container grown plants.



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 food stuffs and separated from other pesticides.

Pesticide Disposal

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

CONTAINER DISPOSAL

Paper containers: Completely empty container into application equipment. Then dispose of empty container 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.

PRECAUTIONARY STATEMENTS.

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

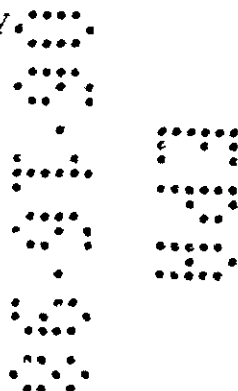
Causes moderate eye injury (irritation). Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Prolonged or frequently repeated skin contact while handling the material may cause allergic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

Statements of Practical Treatment

If 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.



18/18

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.

If material is spilled: Contain and sweep up material of spill for disposal or use per label instructions. Wash cleanup equipment to prevent contamination elsewhere. Excess quantities above normal application rates could result in damage to plants subject to spill. Water-in remainder, disc under, cover with layer of soil, or leave exposed to sunlight, as deemed appropriate to the situation.

Par Ex® registered trademark of IMC Vigoro
Barricade® registered trademark of Novartis

Manufactured by IMC Vigoro, P.O.Box 512, Winter Haven, FL 33882

