



United States
Environmental Protection Agency
 Washington, DC 20480

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 961-405	2. EPA Product Manager Joanne Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Lebanon Trifluralin G-5	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) Lebanon Seaboard Corporation 1600 East Cumberland Street Lebanon, PA 17042 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

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

NOTIFICATION
 JUL 14 2003

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
 "Notification of label change relative to PR Notice 2001-6. This notification is consistent with the guidance in PR Notice 2001-6 and the requirements of EPA's regulations at 40 CFR 156.10 and 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.s.c. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the guidance of PR Notice 2001-6 and the requirements of 40 CFR 156.10 and 40 CFR 152.46, this product may be in violation of FIFRA and may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA."

Section - III

1. Material This Product Will Be Packaged in:

Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted If "Yes" Unit Packaging wgt. No. per container		If "Yes" Package wgt. No. per container	

3. Location of Net Contents Information
 Label Container

4. Size(s) Retail Container

5. Location of Label Directions

6. Manner in Which Label is Affixed to Product
 Lithograph Paper glued Stenciled Other _____

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name Henry E. Rohland	Title EPA Registration Manager	Telephone No. (Include Area Code)
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Certification
 I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

2. Signature 	3. Title EPA Registration Manager	6. Date / Application Received (Stamped)
4. Typed Name Henry E. Rohland	5. Date 24 June 03	

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LEBANON TRIFLURALIN G-5

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

- Container Grown Ornamentals
- Landscape Ornamentals
- Nursery Stock
- Ground Covers
- Established Flowers
- Ornamental Bulbs
- Non-Bearing Fruit and Nut Trees and Non-Bearing Vineyards in Ornamental Landscaping
- Noncropland

ACTIVE INGREDIENT:

*trifluralin 5.0%

OTHER INGREDIENTS: 95.0%

TOTAL 100.0%

Contains 2 pounds active ingredient per 40 pound bag.

Manufactured using the processes of U.S. Patents 4,120,905 and 4,226,789.

EPA Reg. No. 961-405

*Trademark of Dow AgroSciences LLC.

(L) (D)

EPA Est. 961-PA-01:961-IL-01

Superscript used is first letter of lot number.

KEEP OUT OF REACH OF CHILDREN CAUTION

Refer to back panel of bag for precautionary information and Directions for Use including STORAGE AND DISPOSAL.

In case of an emergency endangering life or property involving this product, call Chemtrec at 1-800-424-9300.

MANUFACTURED BY:

LEBANON SEABOARD CORPORATION

1600 EAST CUMBERLAND STREET

LEBANON, PA 17042

NET WEIGHT: 40 LBS. (18.18 kg)

NOTIFICATION

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PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Causes moderate eye irritation. Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

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.
• 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 by a poison control center or doctor.
• Do not give anything to an unconscious person.
- IF ON SKIN:** • Take off contaminated clothing.
• Rinse skin immediately with plenty of water for 15-20 minutes.
• Call a poison control center or doctor for treatment advice.
- IF INHALED:** • Move person to fresh air.
• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
• Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For Emergency Medical Information call (888) 208-1368.

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.

USER SAFETY RECOMMENDATIONS

Users should:

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

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to freshwater marine, and estuarine fish and aquatic invertebrates including shrimp and oyster. Do not apply in a manner which will directly expose canals, lakes, streams, ponds, marshes or estuaries to aerial drift. Do not contaminate water when disposing of equipment washwaters. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

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.

NOT FOR USE ON PLANTS BEING GROWN FOR SALE OR OTHER COMMERCIAL USE, OR FOR COMMERCIAL SEED PRODUCTION OR FOR RESEARCH PURPOSES. FOR USE ON PLANTS INTENDED FOR AESTHETIC PURPOSES OR CLIMATIC MODIFICATIONS AND BEING GROWN IN INTERIOR PLANTSCAPES, ORNAMENTAL GARDENS OR PARKS, OR ON GOLF COURSES OR LAWNS AND GROUNDS.

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.

ENTRY RESTRICTIONS

Do not enter or allow others to enter the treated area until dusts have settled. If soil incorporation is required after the application, do not enter or allow others to enter the treated area (except those persons involved in the incorporation) until the incorporation is complete. If the incorporation is accomplished by watering-in, do not enter or allow others to enter the treated area until the surface is dry after the watering-in.

GENERAL INFORMATION

This product is a preemergence herbicide for control of certain annual grasses and broadleaf weeds in container grown ornamentals, landscape ornamentals, nursery stock, ground covers, established flowers, ornamental bulbs, non-bearing fruit and nut trees, non-bearing vineyards in ornamental landscaping only, and noncropland. Apply before or after planting but prior to germination of target weeds, or immediately after cultivation. Length of weed control will vary with weed population, potting media or soil conditions, temperature, watering regime and other factors. Following application, user should monitor and observe level of weed control over time to determine when additional applications may be needed. Repeat applications should not be made sooner than 60 days after a previous application. Do not apply over 240 lbs. per acre total of this product within a 12-month period.

GENERAL USE PRECAUTIONS

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

Optimum weed control will be obtained when followed by overhead irrigation or rainfall within a few hours after surface application.

WEEDS CONTROLLED WHEN APPLIED AT 80 LBS./ACRE (1.8 Lbs./1,000 Sq. Ft.)

ANNUAL GRASSES

<u>Common Name</u>	<u>Scientific Name</u>	<u>Common Name</u>	<u>Scientific Name</u>
Barley, hare	<i>Hordeum leporinum</i>	Goosegrass	<i>Eleusine indica</i>
Barryardgrass (watergrass)	<i>Echinochloa crus-galli</i>	Junglerice	<i>Echinochloa colonum</i>
Bluegrass, annual	<i>Poa annua</i>	Lovegrass	<i>Eragrostis</i> spp.
Brome	<i>Bromus</i> spp.	Oat, Wild	<i>Avena fatua</i>
Cheat	<i>Bromus secalinus</i>	Panicum, fall	<i>Panicum dichotomiflorum</i>
Crabgrass	<i>Digitaria</i> spp.	Sandbur, field	<i>Cenchrus incertus</i>
Cupgrass, Southwestern	<i>Eriochloa gracilis</i>	Signalgrass	<i>Brachiaria</i> spp.
Fescue, raitail	<i>Vulpia myuros</i>	Sprangletop, Mexican	<i>Leptochloa univervia</i>
Foxtail	<i>Setaria</i> spp.	Stinkgrass	<i>Eragrostis cilianensis</i>
		Witchgrass	<i>Panicum capillare</i>

ANNUAL BROADLEAF WEEDS

<u>Common Name</u>	<u>Scientific Name</u>	<u>Common Name</u>	<u>Scientific Name</u>
Chickweed, common	<i>Stellaria media</i>	Nettle, stinging	<i>Urtica dioica</i>
Goosefoot, nettleleaf	<i>Chenopodium murale</i>	Pigweed	<i>Amaranthus</i> spp.
Knotweed, prostrate	<i>Polygonum aviculare</i>	Purslane, common	<i>Portulaca oleracea</i>
Kochia	<i>Kochia scoparia</i>	Thistle, Russian	<i>Salsola iberica</i>
Lambsquarters, common	<i>Chenopodium album</i>		

In addition to the weeds controlled, the following weeds will be partially controlled or suppressed at 80 lbs./acre (1.8 lbs./1000 sq. ft.).

<u>Common Name</u>	<u>Scientific Name</u>	<u>Common Name</u>	<u>Scientific Name</u>
Carpetweed	<i>Mollugo verticillata</i>	Pusley, Florida	<i>Richardia scabra</i>
Johnsongrass (from seed)	<i>Sorghum halepense</i>	Shattercane	<i>Sorghum bicolor</i>
Panicum, Texas	<i>Panicum texacum</i>		

APPLICATION DIRECTIONS

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

APPLICATION TECHNIQUES

- When using a drop-type spreader, a splash board mounted under the hopper will provide more even granule distribution.
- A chain fastened to the side of the spreader and allowed to drag on the soil surface can be used to mark the edge of the treated swath and help prevent skips or overlaps.
- For treating smaller areas or rows of nursery stock or ornamental beds, a hand held or push-type rotary applicator such as whirlybird or cyclone unit is recommended. For hand held units, walk and turn the crank at a constant rate of speed.
- A shaker-type applicator made from a small container with holes punched in the bottom is recommended for small, hard to treat areas. Carefully measure the amount of product needed to avoid over-application.

APPROVED USES

Container Grown Ornamentals, Landscape Ornamentals, Nursery Stock, Ground Covers, Established Flowers, Ornamental Bulbs, Non-bearing Fruit and Nut Trees, Non-bearing Vineyards in Ornamental Landscaping Only, and Non-cropland.

This product is recommended as a preemergence treatment for control of certain annual grasses and broadleaf weeds in container grown ornamentals, landscape ornamentals, nursery stock, ground covers, established flowers, ornamental bulbs, non-bearing fruit and nut trees, non-bearing vineyards in ornamental landscaping only, and non-cropland. Apply before or after planting but prior to germination of target weeds, or immediately after cultivation.

Refer to the "General Information" section of this label for general use precautions and information on application, application rates and weeds controlled.

SPECIAL USE PRECAUTIONS

To avoid possible injury, do not apply this product to:

- Unrooted liners or cuttings that have been planted in pots for the first time
- Pots less than four inches wide
- Ground covers until they are established and well rooted.

Do not apply to newly transplanted ornamentals, nursery stock, ground covers, flowers and non-bearing fruit and nut crops and non-bearing vineyards in ornamental landscaping until soil or potting media has been settled by packing and irrigation or rainfall and no cracks are present or injury may occur.

Do not make preplant applications of this product to areas where gladioli corms are less than one inch in diameter will be planted or injury may occur.

Do not apply this product in greenhouse or other enclosed structures.

Repeat applications should not be made sooner than 60 days after a previous application of this product. Do not apply over 240 lbs. per acre total of this product within a 12 month period.

Prior to using this product on a large number of plants, the treated plants should be observed for signs of herbicidal injury during 30 to 60 days of normal growing conditions to determine if the

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This product may be used on the following established plant species when container grown or field grown:

TREES

<u>Scientific Name</u>	<u>Common Name</u>	<u>Scientific Name</u>	<u>Common Name</u>
<i>Abies Balsamea</i>	Balsam Fir	<i>Liriodendron tulipifera</i>	Tuliptree
<i>Abies concolor</i>	White Fir	<i>Magnolia grandiflora</i>	Southern Magnolia
<i>Abutilon hybridum</i>	Albus Flowering Maple	<i>Maius spp.</i>	Crabapple
	Luteus Flowering Maple	<i>Morus alba</i>	White Mulberry
	Roseus Flowering Maple	<i>Musa aluminata</i>	Banana
	Tangerine Flowering Maple	<i>Nyssa sylvatica</i>	Blackgum
	Vesuvius Red-Flowering Maple	<i>Oxydendrum arboreum</i>	Sourwood
	Flame Maple	<i>Picea abies</i>	Norway Spruce
<i>Acer ginnala</i>	Norway Maple		Pendula-Weeping Norway Spruce
<i>Acer platanoides</i>	Red Maple		Repens-Spreading Norway Spruce
<i>Acer rubrum</i>	Red Sunset Maple	<i>Picea glauca conica</i>	Dwarf Alberta Spruce
	Silver Maple	<i>Picea glauca</i>	White spruce
<i>Acer Saccharinum</i>	Sugar Maple	<i>Picea pungens</i>	Dwarf Globe Blue Spruce
<i>Acer Saccharum</i>	Queen Palm		Glaucia-Colorado Blue Spruce
<i>Areacastrum romanzoffianum</i>	River Birch		Hoopsii-Hoop's Blue Spruce
<i>Betula nigra</i>	Paper Birch		Koster-Koster Blue Spruce
<i>Betula papyrifera</i>	European White Birch	<i>Pinus aristata</i>	Bristlecone Pine
<i>Betula pendula</i>	Bottle Tree	<i>Pinus canariensis</i>	Canary Island Pine
<i>Brachychiton populneus</i>	Black Olive	<i>Pinus contorta</i>	Shore Pine, Beach Pine
<i>Bucida Buceras</i>	Chinese Chestnut	<i>Pinus eldarica</i>	Eldarica Pine
<i>Castanea mollissima</i>	Carob	<i>Pinus leucodermis</i>	Bosnian Pine
<i>Ceratonia siliqua</i>	Redbud	<i>Pinus mugo</i>	Pumilio-Shrubby Swiss Mountain Pine
<i>Cercis canadensis</i>	Filicoides-Fernspray Cypress	<i>Pinus nigra</i>	Austrian Black Pine
<i>Chamaecyparis obtusa</i>	Gracilis-Slender Hinoki Cypress	<i>Pinus radiata</i>	Monterey Pine
	Swara False Cypress	<i>Pinus resinosa</i>	Red Pine
<i>Chamaecyparis pisifera</i>	Squarrosa-Moss Cypress	<i>Pinus strobus</i>	White Pine
	Palm	<i>Pinus Sylvestris</i>	Columnar Scotch Pine
<i>Chamaedorea cataractarum</i>	Palm		Scotch Pine
<i>Chamaedorea costaricana</i>	Parlor Palm	<i>Pinus taeda</i>	Loblolly Pine
<i>Chamaedorea elegans</i>	Cloud Nine Dogwood	<i>Pinus thunbergiana</i>	Japanese Black Pine
<i>Cornus Florida</i>	Flowering Dogwood	<i>Platanus acerifolia</i>	London Planetree
	Kousa Dogwood	<i>Platanus occidentalis</i>	American Sycamore
<i>Cornus Kousa</i>	Green Hawthorn	<i>Platanus racemosa</i>	California Sycamore
<i>Crataegus viridis</i>	Carrot Wood	<i>Podocarpus spp.</i>	Podocarpus
<i>Cupaniopsis anacardioides</i>	Arizona Cypress	<i>Populus deltoides</i>	Cottonwood
<i>Cupressus glabra</i>	Russian Olive	<i>Prosopis chilensis</i>	Chilean Mesquite
<i>Elaeagnus angustifolia</i>	Redgum Eucalyptus	<i>Prunus yedoensis</i>	Yoshino Flowering Cherry
<i>Eucalyptus camaldulensis</i>	Mealy Eucalyptus	<i>Pseudotsuga menziesii</i>	Douglasfir
<i>Eucalyptus cinerea</i>	Silver Dollar Eucalyptus	<i>Quercus coccinea</i>	Scarlet Oak
<i>Eucalyptus microtheca</i>	Coolibah Tree	<i>Quercus ilicifolia</i>	Bear Oak
<i>Eucalyptus sideroxylon</i>	Red Ironbark Eucalyptus	<i>Quercus palustris</i>	Pin Oak
<i>Ficus benjamina</i>	Ficus	<i>Quercus phellos</i>	Willow Oak
	Mini Fucus	<i>Quercus rubra</i>	Red Oak
<i>Fraxinus Americana</i>	White Ash	<i>Quercus virginiana</i>	Live Oak
<i>Fraxinus udhei</i>	Shamel Ash	<i>Robinia pseudoacacia</i>	Black Locust
<i>Ginko biloba</i>	Ginko-Maidenhair Tree	<i>Salix spp.</i>	Willow
<i>Gleditsia Tracanthos</i>	Honey Locust	<i>Sequoiadendron giganteum</i>	Giant Sequoia
	Shademaster Honey Locust	<i>Swietenia mahogani</i>	Mahogany
<i>Heteromeles arbutiflora</i>	Toyon	<i>Tabebuia caraiba</i>	Yellow Tab
<i>Illicium floridanum</i>	Florida Anise-Tree	<i>Taxodium distichum</i>	Baldcypress
<i>Juniperus virginiana</i>	Eastern Red Cedar	<i>Tsuga canadensis</i>	Eastern Hemlock
<i>Larix kaempferi</i>	Japanese Larch	<i>Ulmus parvifolia</i>	Chinese Elm
<i>Liquidambar styraciflua</i>	American Sweet Gum	<i>Washington robusta</i>	Mexican Fan Palm

ORNAMENTAL SHRUBS

<u>Scientific Name</u>	<u>Common Name</u>	<u>Scientific Name</u>	<u>Common Name</u>
<i>Abelia grandiflora</i>	Edward Goucher Abelia	<i>Ilex spp.</i>	Holly
	Glossy Abelia	<i>Illicium annisatum</i>	Mystery Gardenia
<i>Acacia abyssinica</i>	Abyssinica Acacia	<i>Itea ilicifolia</i>	Henry Garnet Holly Leaf Sweetspire
<i>Acacia redolens</i>	Prostrate Acacia	<i>Ixora collinea</i>	Ixora
<i>Acacia stenophylla</i>	Shoestring acacia	<i>Juniperus spp.</i>	Juniper
<i>Acalypha wilkesiana</i>	Copper Leaf	<i>Kalmia latifolia</i>	Mountain Laurel
<i>Acer ginnala</i>	Amur Maple	<i>Lagerstroemia indica</i>	Crape Myrtle
<i>Acer palmatum</i>	Coral Bark Japanese Maple	<i>Lantana spp.</i>	Lantana
	Dwarf Japanese Maple	<i>Leucothoe axillaris</i>	Coast Leucothoe

<u>Scientific Name</u>	<u>Common Name</u>	<u>Scientific Name</u>	<u>Common Name</u>
<i>Agave americana</i>	Century Plant	<i>Leucothoe fontanesiana</i>	Drooping leucothoe
<i>Astilbe chinensis</i>	False Spirea	<i>Ligustrum</i> spp.	Privet
<i>Athyrium nipponicum</i>	Japanese Painted Fern	<i>Livistona chinensis</i>	Chinese Fountain Palm
<i>Baccharis pilularis</i>	Coyotebush	<i>Lonicera periclymenum</i>	Flowering Woodbine
<i>Berberis gladiolifera</i>	William Penn Barberr		Serotina Woodbine
<i>Berberis mentorensis</i>	Mentor Barberr	<i>Lonicera sempervirens</i>	Trumpet Honeysuckle
<i>Berberis thunbergii</i>	Atropurea-Redleaf Japanese Barberr	<i>Mahonia bealei</i>	Leather Leaf Mahonia
	Aurea-Golden Japanese Barberr	<i>Mahonia repens</i>	Creeping Mahonia
	Crimson Pygmy Barberr	<i>Myrica cerifera</i>	Wax Myrtle
	Rose Glow Barberr	<i>Nandina domestica</i>	Compacta-Dwarf Heavenly Bamboo
<i>Bougainvillea</i> spp.	Barbara Karst		Harbour Dwarf-Heavenly Bamboo
	California Gold		Heavenly Bamboo
	Pink Pixie		Nana Compacta-Heavenly Bamboo
	Scarlet O'Hara		Nana Purpurea-Heavenly Bamboo
	Temple Fire		Woods Dwarf Heavenly Bamboo
	Texas Dawn	<i>Nerium oleander</i>	Hardy Red Oleander
<i>Buxus microphylla japonica</i>	Japanese Boxwood		Oleander
<i>Buxus microphylla Koreana</i>	Korean Boxwood		Ruby Lace Oleander
<i>Buxus sempervirens</i>	Common Boxwood	<i>Osmanthus fortunei</i>	Fortunes Osmanthus
<i>Callistemon citrinus</i>	Lemon Bottlebrush	<i>Philadelphus</i> spp.	Mockorange
<i>Callistemon viminalis</i>	Weeping Bottlebrush	<i>Phoenix roelofenii</i>	Pigmy Date Palm
<i>Calluna vulgaris</i>	Spring Torch Scotch Heather	<i>Photinia fraseri</i>	Fraser's Photinia
<i>Camellia japonica</i>	Japanese Camellia	<i>Pieris japonica</i>	Japanese Andromeda
<i>Camellia sasanqua</i>	Sasanqua Camellia		Mountain Fire Lily-of-the-Valley
<i>Cassia artemisioides</i>	Feathery Cassia		Snowdrift Lily-of-the-Valley
<i>Ceanothus</i> spp.	Wild Lilac		Templebells Lily-of-the-Valley
<i>Cephalotaxus drupacea</i>	Plum Yew		Valley Rose Lily-of-the-Valley
<i>Cerastium tomentosum</i>	Snow-in-Summer		Valley Valentine Lily-of-the-Valley
<i>Chamaecyparis obtusa</i> spp.	Kosteri Cypress	<i>Pieris japonica x forestii</i>	Forest Flame Lily-of-the-Valley
	Nana-Dwarf Hinoki Cypress	<i>Pinus mugo</i>	Mugo-Mugho Pine
	Torulosa Cypress	<i>Pittosporum Tobira</i>	Green Pittosporum
<i>Chamaecyparis pisifera</i>	Fiifera-Thread Cypress		Japanese Pittosporum
<i>Chrysalidocarpus lutescens</i>	Areca palm		Wheeler's Dwarf Pittosporum
<i>Clethra alnifolia</i>	Summersweet	<i>Plumbago ariculata</i>	Blue Cape Plumbago
<i>Cleyera japonica</i>	Japanese Cleyera	<i>Plumbago capensis</i>	Plumbago
<i>Cornus alba</i>	Sibirica-Siberian Dogwood	<i>Podocarpus macrophyllus</i>	Yewpine
<i>Cornus stolonifera</i>	Baileyi Red Osier Dogwood	<i>Polystichum polyblepharum</i>	Tassel Fern
	Flaviramea-Yellowtwig Dogwood	<i>Potentilla</i> spp.	Cinquefoil
<i>Cotinus coggygria</i>	Royal Purple Smoke Tree	<i>Prunus caroliniana</i>	Carolina Laurel Cherry
<i>Cotinus dammeri</i>	Coral Beauty Smoke Tree	<i>Prunus gladiosa</i>	Dwarf Pink Flowering Almond
	Eichholz Smoke Tree	<i>Pyracantha</i> spp.	Pyracantha
<i>Cotoneaster adpressus</i>	Praecox-Early Cotoneaster	<i>Raphiolepis indica</i>	Charisma-Monruce Raphiolepis
<i>Cotoneaster apiculatus</i>	Cranberry Cotoneaster		Enchantress-Moness Raphiolepis
<i>Cotoneaster congestus</i>	Pyrenees Cotoneaster	<i>Raphiolepis ovata</i>	India Hawthorn
<i>Cotoneaster dammeri</i>	Bearberry Cotoneaster	<i>Rhododendron</i> spp.	Springtime-Monme Raphiolepis
<i>Cotoneaster himalayana</i>	Himalayan Cotoneaster	<i>Rhus lancea</i>	Roundleaf Raphiolepis
<i>Cotoneaster horizontalis</i>	Rock Cotoneaster	<i>Rosa rugosa</i>	Azalea/Rhododendron
<i>Cotoneaster zabelii</i>	Zabel Cotoneaster	<i>Rosemarinus officinalis</i>	Africa Sumac
<i>Cycas revoluta</i>	Sago Palm	<i>Skimmia japonica</i>	Ramanas Rose
<i>Cytisus praecox</i>	Hollandia-Warminster Broom	<i>Skimmia revesiana</i>	Rosemary
<i>Cytisus scoparius</i>	Lena-Scotch Broom	<i>Spiraea bumalda</i>	Japanese Skimmia
<i>Daphne odora</i>	Fragrant Daphne	<i>Spiraea japonica</i>	Reeve's Skimmia
<i>Deutzia</i> spp.	Deutzia		Anthony Waterer Spiraea
<i>Dodonea viscosa</i>	Hopseed Bush	<i>Spiraea vanhouttii</i>	Dolchia Spiraea
<i>Elaeagnus pungens</i>	Fruitland Silver Berry	<i>Syringa rothomagensis</i>	Japanese Alpine Spiraea
<i>Erica cinerea</i>	Purple Bell Heather	<i>Syringa vulgaris</i>	Shirobana Spiraea
<i>Erica x darleyensis</i>	Mediterranean Pink Heather	<i>Taxus cuspidata</i>	Bridal Wreath
<i>Erica vagans</i>	Cornish Heather	<i>Taxus media</i>	Chinese Lilac
<i>Euonymus alatus</i>	Winged Euonymus	<i>Tecomaria capensis</i>	Common Lilac
<i>Euonymus fortunei</i>	Canadale Gold Euonymus	<i>Ternstroemia gymnanthera</i>	Upright Japanese Yew
	Emerald'n Gold Euonymus	<i>Thuja occidentalis</i>	Anglojap Yew
	Sunspot Euonymus		Cape Honeysuckle
	Wintercreeper Euonymus		American Arborvitae
<i>Euonymus japonica</i>	Silver King-Euonymus		Emerald Arborvitae
	Variegated Evergreen Euonymus		Globosa-Globe Arborvitae
<i>Euonymus kiautschowica</i>	Spreading Euonymus		Little Giant-Dwarf Arborvitae
<i>Feijoa Sellowiana</i>	Pineapple Guava		Nigra-Dark American Arborvitae
<i>Forsythia</i> spp.	Forsythia		Pyramidalis-Pyramid Arborvitae
<i>Gardenia jasminoides</i>	August Beauty Gardenia		Rheingold Arborvitae
	Gardenia		Techny Arborvitae
	Radican Gardenia		Aureus Nana-Dwarf Golden Arborvitae
<i>Gaultheria shallon</i>	Salal/Lemon Leaf	<i>Thuja orientalis</i>	Minima Glauca-Dwarf Arborvitae
<i>Geisemium sempervirens</i>	Carolina jessamine		Christmas Palm
<i>Genista pilosa</i>	Woadwaxen	<i>Veitchia merrilli</i>	

Scientific Name
Hibiscus rosa-sinensis
Hibiscus synacus

Common Name
 Ross Estey-Hibiscus
 Rose-of-Sharon- Heart
 Rose-of-Sharon- Red Bird
 Rose-of-Sharon- Woodbridge

Scientific Name
Viburnum spp.
Weigela spp.
Xylosma congestum
Yucca filamentosa

Common Name
 Viburnum
 Weigela
 Xylosma
 Yucca

GROUND COVERS

Scientific Name
Achillea tomentosa
Agapanthus spp.
Ammophila breviligulata
Arctotheca calendula
Armenia maritima
Asparagus densiflorus
Campanula spp.
Carex spp.
Carpobrotus edulis
Ceratostigma plumbaginoides
Cistus spp.
Coreopsis spp.
Coronilla vana
Cortaderia selloana
Cotoneaster spp.
Delosperma alba
Descampsia caespitosa
Drosanthemum floribundum
Drosanthemum hispidum
Festuca ovina glauca
Fragaria chiloensis
Gazania spp.
Hakonechloa macroaureola
Hedera canariensis
Hedera helix
Hemerocallis spp.
Herniaria glabra

Common Name
 Woolly yarrow
 Lily-of-the-Nile
 Beechgrass
 Cape Weed
 Thrift
 Asparagus Fern
 Bellflower
 Variegated Carex
 Largeleaf Iceplant
 Dwarf Plumbago
 Rockrose
 Coreopsis
 Crown Vetch
 Pampas Grass
 Cotoneaster
 White Iceplant
 Descampsia
 Trailing Rosea Iceplant
 Iceplant
 Blue Fescue
 Strawberry, Beach
 Gazania
 Golden Hakonechloa
 Algerian Ivy
 English Ivy
 Daylily
 Rupturewort

Scientific Name
Hosta lancifolia
Hypericum spp.

Jasminum nitidum
Lampranthus spectabilis
Liriope Gigantea
Liriope muscari

Liriope spicata
Miscanthus sinensis
Muehlenbeckia axillaris
Myoporum laetum
Ophiopogon japonicus

Osteospermum fruticosum
Pachysandra terminalis
Pennisetum alopecuroides
Phalaris arundinacea picta
Sedum spp.
Teucrium chamaedrys
Trachelospermum asiaticum
Verbena spp.
Veronica spp.
Vinca spp.

Common Name
 Albo-Marginata Hosta
 Aaronsbeard
 St. Johnswort
 Angelwing Jasmine
 Trailing Iceplant
 White Lily Turf
 Big Blue Lily Turf
 Lilac Beauty Lily Turf
 Magestic Lily Turf
 Silvery Sunproof Lily Turf
 Variegated Liriope Lily Turf
 Green/Creeping Lily Turf
 Eulalia Grass
 Creeping Wirevine
 Myoporum
 Dwarf Mondo Grass
 Mondo Grass
 Trailing African Daisy
 Japanese Spurge
 Fountain Grass
 Ribbon Grass
 Stonecrop (Sedum)
 Germander
 Asaian Jasmine
 Verbena
 Speedwell
 Periwinkle

ESTABLISHED FLOWERS

Scientific Name
Achillea spp.
Ageratum houstonianum
Alyssum spp.
Antirrhinum majus
Arctotis spp.
Artemisia stellerana
Aster spp.
Calendula officianalis
Centaurea cyanus
Centaurea gymnocarpa
Centaurea moschata
Chrysanthemum spp.
Convolvulus spp.
Coreopsis spp.
Cosmos spp.
Dahlia spp.
Dianthus spp.
Dimorthea spp.
Euphorbia marginata
Gaillardia spp.
Geum spp.
Gladiolus spp.
Gypsophila paniculata
Helianthus spp.
Impatiens balsamina
Impatiens spp.

Common Name
 Yarrow
 Floss Flower
 Alyssum
 Snapdragon
 African Daisy
 Dusty Miller
 Aster (perennial)
 Calendula
 Cornflower
 Velvet Centaurea
 Sweet Sultan
 Chrysanthemum
 Momingglory
 Coreopsis
 Cosmos
 Dahlia
 Dianthus
 Marigold, Cape
 Snow on the Mountain
 Gaillardia
 Geum
 Gladiolus
 Baby's Breath
 Sunflower
 Balsam
 Impatiens

Scientific Name
Ixora spp.
Lathyrus odoratus
Limonium spp.
Lobelia spp.
Lobularia maritima
Lupinus spp.
Matthiola spp.
Mirabilis jalapa
Myosotis spp.
Nicotiana spp.
Papaver spp.
Petunia hybrida
Phlox spp.
Portulaca grandiflora
Rosa spp.
Rudbeckia hirta
Rudbeckia laciniata
Salvia spp.
Scabiosa spp.
Stachys spp.
Stokesia laevis
Tagetes spp.
Tropaeolum spp.
Vinca spp.
Zinnia spp.

Common Name
 Ixora
 Sweet Pea
 Statice
 Lobelia
 Sweet Alyssum
 Lupine
 Stock
 Four O'Clock
 Forget-Me-Not
 Nicotiana
 Poppy, California
 Petunia
 Phlox
 Portulaca
 Rose
 Blackeyed Susan
 Golden Glow
 Salvia
 Pincushion Flower
 Lamb's Ears
 Stoke's Aster
 Marigold
 Nasturtium
 Vinca
 Zinnia

ORNAMENTAL BULBS

This product may be applied for control of susceptible annual weeds in ornamental bulbs, e.g., bulbous iris, daffodil (narcissus), hyacinth and tulip. Apply to the soil surface 2 to 4 weeks after planting, but prior to the emergence of annual weeds. This product may also be applied following bulb emergence. For fall planted bulbs, apply this product again in later winter or early spring to weed-free soil surfaces.

NON-BEARING FRUIT AND NUT TREES AND NON-BEARING VINEYARDS IN ORNAMENTAL LANDSCAPING ONLY*

<u>Common Name</u>	<u>Common Name</u>	<u>Common Name</u>	<u>Common Name</u>
Almond	Currant	Kiwi	Pecan
Apple	Dewberry	Lemon	Pistachio
Apricot	Elderberry	Loganberry	Plum
Avocado	Fig	Macadamia Nut	Pomegranate
Blackberry	Filbert	Nectarine	Prune
Blueberry	Gooseberry	Olive	Raspberry
Boysenberry	Grape, American	Orange	Walnut, black
Cherry, sour	Grape, European	Peach	Walnut, English
Cherry, sweet	Grapefruit	Pear	



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

NON-CROPLAND AREAS

This product is recommended as a preemergence herbicide for control of certain annual grasses and broadleaf weeds on industrial sites, utility substations, highway guard rails, sign posts and delineators.

Apply 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.

STORAGE AND DISPOSAL

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

STORAGE: Keep in original container in a cool, dry area, away from extreme heat and direct sunlight. Do not store near food, feed, seeds or other pesticides.

Store in original container only. In case of leak or spill, contain material and dispose of as waste.

DISPOSAL: If empty: Do not reuse this container. Place in trash or offer for recycling if available.

If partly filled: Call your local solid waste agency or 1-800 CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

WARRANTY DISCLAIMER

The Manufacturer warrants that this product conforms to the chemical description of the label and is reasonably fit for the purpose stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. THE MANUFACTURER MAKES NO OTHER EXPRESSED OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESSED OR IMPLIED WARRANTY.

INHERENT RISKS OF USE

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of the Manufacturer or the Seller. All such risks shall be assumed by Buyer.

WARRANTY

The Manufacturer warrants that this product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions not reasonably foreseeable to Manufacturer, and Buyer assumes the risk of any such use.