

961-405

12-23-99

10/8



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg.
Number:

961-405

Date of Issuance:

DEC 23 1999

NOTICE OF PESTICIDE:
 Registration
 X Reregistration

(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Lebanon Trifluralin
G-5

Name and Address of Registrant (include ZIP Code):

Lebanon Chemical Corporation
P.O. Box 180
1600 East Cumberland Street
Lebanon, PA 17042

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.

Based on your response to the Trifluralin Reregistration Eligibility Decision (RED) document, EPA has reregistered the product listed above. The following revision must be incorporated into the labeling before the product is released for shipment:

1. Delete "Under Paved Surfaces" from the list of use sites below the product name on the front panel of the label.

Enclosed is a copy of your label stamped "Accepted with Comments". This action is taken under the authority of section 4(g)(2)(C) of the Federal Insecticide, Fungicide and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain registration of your product.

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

Enclosure

Signature of Approving Official:

Date:

DEC 23 1999

2 of 8

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
- Under Paved Surfaces

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	(L) (D)
*Trademark of Dow AgroSciences LLC.	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)

**ACCEPTED
with COMMENTS
In EPA Letter Dated**

DEC 23 1999

**Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
961-405**



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.

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. Wash the outside of gloves before removing. 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.

4078

GENERAL USE PRECAUTIONS

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>
Barnyardgrass (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 latua</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, rattail	<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>
Creosotebush, nettleleaf	<i>Chenopodium murale</i>	Pigweed	<i>Amaranthus</i> spp.
Crabgrass, 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 slowly 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.

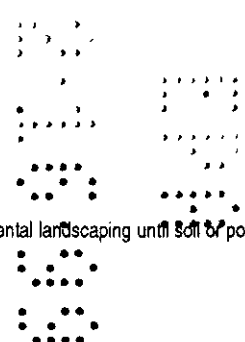
Do not apply to newly transplanted ornamentals, nursery stock, ground covers, flowers and non-bearing fruit and nut crops and non-bearing vineyards in ornamental landscaping until soil or potting media has been settled by packing and irrigation or rainfall and no cracks are present or injury may occur.

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



5048

treatment is non-injurious to the target plant species. THE USER ASSUMES RESPONSIBILITY FOR ANY PLANT DAMAGE OR OTHER LIABILITY RESULTING FROM THE USE OF THIS PRODUCT ON PLANT SPECIES NOT RECOMMENDED ON THIS LABEL.

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>Malus 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
<i>Acer ginnala</i>	Flame Maple	<i>Picea abies</i>	Norway Spruce
<i>Acer platanoides</i>	Norway Maple		Pendula-Weeping Norway Spruce
<i>Acer rubrum</i>	Red Maple		Repens-Spreading Norway Spruce
	Red Sunset Maple	<i>Picea glauca conica</i>	Dwarf Alberta Spruce
<i>Acer Saccharinum</i>	Silver Maple	<i>Picea glauca</i>	White spruce
<i>Acer Saccharum</i>	Sugar Maple	<i>Picea pungens</i>	Dwarf Globe Blue Spruce
<i>Areacastrum romanzoffianum</i>	Queen Palm		Glauca-Colorado Blue Spruce
<i>Betula nigra</i>	River Birch		Hoopsii-Hoop's Blue Spruce
<i>Betula papyrifera</i>	Paper Birch		Koster-Koster Blue Spruce
<i>Betula pendula</i>	European White Birch	<i>Pinus aristata</i>	Bristlecone Pine
<i>Brachyhiton populneus</i>	Bottle Tree	<i>Pinus canariensis</i>	Canary Island Pine
<i>Bucida Buceras</i>	Black Olive	<i>Pinus contorta</i>	Shore Pine, Beach Pine
<i>Castanea mollissima</i>	Chinese Chestnut	<i>Pinus eldarica</i>	Eldarica Pine
<i>Ceratonia siliqua</i>	Carob	<i>Pinus leucodermis</i>	Bosnian Pine
<i>Cercis canadensis</i>	Redbud	<i>Pinus mugo</i>	Pumilio-Shrubby Swiss Mountain Pine
<i>Chamaecyparis obtusa</i>	Filicoides-Fernspray Cypress	<i>Pinus nigra</i>	Austrian Black Pine
	Gracilis-Slender Hinoki Cypress	<i>Pinus radiata</i>	Monterey Pine
<i>Chamaecyparis pisifera</i>	Swara False Cypress	<i>Pinus resinosa</i>	Red Pine
	Squarrosa-Moss Cypress	<i>Pinus strobus</i>	White Pine
<i>Chamaedorea cataractarum</i>	Palm	<i>Pinus Sylvestris</i>	Columnar Scotch Pine
<i>Chamaedorea costaricana</i>	Palm		Scotch Pine
<i>Chamaedorea elegans</i>	Parlor Palm	<i>Pinus taeda</i>	Loblolly Pine
<i>Cornus Florida</i>	Cloud Nine Dogwood	<i>Pinus thunbergiana</i>	Japanese Black Pine
	Flowering Dogwood	<i>Platanus acerifolia</i>	London Planetree
<i>Cornus Kousa</i>	Kousa Dogwood	<i>Platanus occidentalis</i>	American Sycamore
<i>Crataegus viridis</i>	Green Hawthorn	<i>Platanus racemosa</i>	California Sycamore
<i>Cupaniopsis anacardioides</i>	Carrot Wood	<i>Podocarpus spp.</i>	Podocarpus
<i>Cupressus glabra</i>	Arizona Cypress	<i>Populus deltoides</i>	Cottonwood
<i>Elaeagnus angustifolia</i>	Russian Olive	<i>Prosopis chilensis</i>	Chilean Mesquite
<i>Eucalyptus camaldulensis</i>	Redgum Eucalyptus	<i>Prunus yedoensis</i>	Yoshino Flowering Cherry
<i>Eucalyptus cinerea</i>	Mealy Eucalyptus	<i>Pseudotsuga menziesii</i>	Douglasfir
	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>Pinus 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 Triacanthos</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 Sweetpire
<i>Acacia redolens</i>	Prostrate Acacia	<i>Ixora collinea</i>	Ixora
<i>Acacia stenophylla</i>	Shoestring acacia	<i>Juniperis 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>

6078

<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 japonicum</i>	Japanese Painted Fern	<i>Livistona chinensis</i>	Chinese Fountain Palm
<i>Baccharis pilularis</i>	Coyotebush	<i>Lonicera periclymenum</i>	Flowering Woodbine
<i>Berberis gladywneisii</i>	William Penn Barberry		Serotina Woodbine
<i>Berberis mentorensis</i>	Menior Barberry	<i>Lonicera sempervirens</i>	Trumpet Honeysuckle
<i>Berberis thunbergii</i>	Atropurea-Redleaf Japanese Barberry	<i>Mahonia bealei</i>	Leather Leaf Mahonia
	Aurea-Golden Japanese Barberry	<i>Mahonia repans</i>	Creeping Mahonia
	Crimson Pymy Barberry	<i>Myrica cerifera</i>	Wax Myrtle
	Rose Glow Barberry	<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
	Filifera-Thread Cypress		Japanese Pittosporum
<i>Chamaecyparis pisifera</i>	Areca palm		Wheeler's Dwarf Pittosporum
<i>Chrysalidocarpus lutescens</i>	Summersweet	<i>Plumbago ariculata</i>	Blue Cape Plumbago
<i>Clethra alnifolia</i>	Japanese Cleysera	<i>Plumbago capensis</i>	Plumbago
<i>Cleyera japonica</i>	Sibirica-Siberian Dogwood	<i>Podocarpus macrophyllus</i>	Yewpine
<i>Cornus alba</i>	Baileyi Red Osier Dogwood	<i>Polystichum polyblepharum</i>	Tassel Fern
<i>Cornus stolonifera</i>	Flaviramea-Yellowtwig Dogwood	<i>Potentilla</i> spp.	Cinquefoil
	Royal Purple Smoke Tree	<i>Prunus caroliniana</i>	Carolina Laurel Cherry
<i>Cotinus coggygria</i>	Coral Beauty Smoke Tree	<i>Prunus glandulosa</i>	Dwarf Pink Flowering Almond
<i>Cotinus dammeri</i>	Eichholz Smoke Tree	<i>Pyracantha</i> spp.	Pyracantha
	Praecox-Early Cotoneaster	<i>Raphiolepis indica</i>	Charisma-Monruce Rhapsiolepis
<i>Cotoneaster adpressus</i>	Cranberry Cotoneaster		Enchantress-Moness Rhapsiolepis
<i>Cotoneaster apiculatus</i>	Pyrenees Cotoneaster		India Hawthorn
<i>Cotoneaster congestus</i>	Bearberry Cotoneaster	<i>Raphiolepis ovata</i>	Springtime-Monme Rhapsiolepis
<i>Cotoneaster dammeri</i>	Himalayan Cotoneaster	<i>Rhododendron</i> spp.	Roundleaf Rhapsiolepis
<i>Cotoneaster himalayan</i>	Rock Cotoneaster	<i>Rhus lancea</i>	Azalea/Rhododendron
<i>Cotoneaster horizontalis</i>	Zabel Cotoneaster	<i>Rosa rugosa</i>	Africa Sumac
<i>Cotoneaster zabelii</i>	Sago Palm	<i>Rosemarinus officinalis</i>	Ramanas Rose
<i>Cycas revoluta</i>	Hollandia-Warminster Broom	<i>Skimmia japonica</i>	Rosemary
<i>Cycas praecox</i>	Lena-Scotch Broom	<i>Skimmia revesiana</i>	Japanese Skimmia
<i>Cycas scoparius</i>	Fragrant Daphne	<i>Spiraea bumalda</i>	Reeve's Skimmia
<i>Daphne odora</i>	Deutzia	<i>Spiraea japonica</i>	Anthony Waterer Spiraea
<i>Deutzia</i> spp.	Hopseed Bush		Dolchia Spiraea
<i>Dodonea viscosa</i>	Fruitland Silver Berry	<i>Spiraea vanhouttii</i>	Japanese Alpine Spiraea
<i>Elaeagnus pungens</i>	Purple Bell Heather	<i>Syringa rothomagensis</i>	Shirobana Spiraea
<i>Erica cinerea</i>	Mediterranean Pink Heather	<i>Syringa vulgaris</i>	Bridal Wreath
<i>Erica x darleyensa</i>	Cornish Heather	<i>Taxus cuspidata</i>	Chinese Lilac
<i>Erica vagans</i>	Winged Euonymus	<i>Taxus media</i>	Common Lilac
<i>Euonymus alatus</i>	Canadale Gold Euonymus	<i>Tecomaria capensis</i>	Upright Japanese Yew
<i>Euonymus fortunei</i>	Emerald'n Gold Euonymus	<i>Ternstroemia gymnanthera</i>	Anglojap Yew
	Sunspot Euonymus	<i>Thuja occidentalis</i>	Cape Honeysuckle
	Wintercreeper Euonymus		American Arborvitae
<i>Euonymus japonica</i>	Silver King-Euonymus		Emerald Arborvitae
	Variogated Evergreen Euonymus	<i>Thuja orientalis</i>	Globosa-Globe Arborvitae
<i>Euonymus kiautschovica</i>	Spreading Euonymus		Little Giant-Dwarf Arborvitae
<i>Feijoa Salicowiana</i>	Pineapple Guava	<i>Veitchia merrilli</i>	Nigra-Dark American Arborvitae
<i>Forsythia</i> spp.	Forsythia		Pyramidalis-Pyramid Arborvitae
<i>Gardenia jasminoides</i>	August Beauty Gardenia		Rheingold Arborvitae
	Gardenia		Techry Arborvitae
	Radican Gardenia		Aureus Nana-Dwarf Golden Arborvitae
<i>Gautheria shallon</i>	Salal/Lemon Leaf		Minima Glaucifera Arborvitae
<i>Gelsemium sempervirens</i>	Carolina jessamine		Christmas Palm
<i>Genista pilosa</i>	Woodwaxen		
Scientific Name	Common Name	Scientific Name	Common Name

7078

Hibiscus rosa-sinensis
Hibiscus syriacus

Rose of-Sharon- Hibiscus
Rose-of-Sharon- Heart
Rose-of-Sharon- Red Bird
Rose-of-Sharon- Woodbridge

Virburnum spp.
Weigela spp.
Xylosma congestum
Yucca filamentosa

Virburnum
Weigela
Xylosma
Yucca

GROUND COVERS

Scientific Name

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

Common Name

Woolly yarrow
Lily-of-the-Nile
Beechgrass
Cape Weed
Thrift
Asparagus Fern
Bellflower
Thrift
Asparagus Fern
Bellflower
Variegated Carex
Largeleaf Iceplant
Dwarf Plumbago
Rockrose
Coreopsis
Crown Vetch
Pampas Grass
Coloneaster
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.
Taenidium chamaedryd
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 officinalis
Centaurea cyanus
Centaurea gymnocarpa
Centaurea moschata
Chrysanthemum spp.
Cornifolium 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
Morningglory
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 late winter or early spring to weed-free soil surfaces.

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

