

GROUP 3 HERBICIDE



**Howard Johnson's
Trifluralin 5G**

A selective pre-emergence herbicide for control of certain annual grasses and broadleaf weeds in Container Grown Ornamentals, Landscape Ornamentals, Nursery Stock, Groundcovers, Established Flowers, Ornamental Bulbs, Non-bearing Fruit and Nut Trees and, Non-bearing Vineyards, Christmas Tree Plantations, Non-cropland, and Under Paved Surfaces.

ACTIVE INGREDIENT:	Trifluralin	5.0%
OTHER INGREDIENTS:		95.0%
TOTAL:		100.0%

Contains 2 pounds active ingredient per 40 pound bag.
EPA Reg. No. 19713-689-32802
EPA Est. No. 59144-GA-1(A), 32802-MO-1(B), 37351-CO-1 (C)

Net Weight 40 lbs (18.16 kg)

Distributed by: Howard Johnson's Enterprises, Inc 9675 S 60th Street, Franklin, WI 53132

**KEEP OUT OF REACH OF CHILDREN
CAUTION
See FIRST AID Below**

FIRST AID
<p>IF INHALED:</p> <ul style="list-style-type: none"> • 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 of doctor for further treatment advice.
<p>IF IN EYES</p> <ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
<p>IF SWALLOWED:</p> <ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Do not give any liquid to the person. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
<p>IF ON SKIN OR CLOTHING:</p> <ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call poison control center or doctor for testament advice. <p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact CHEMTREC AT 800-424-9300 for emergency.</p>

**PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals**

CAUTION: Harmful if inhaled. Cause moderate eye irritation. Harmful if swallowed. Avoid breathing dust. Avoid contact with skin, eyes, or clothing. Remove and wash contaminated clothing/PPE before reuse. Wear protective eye-wear, long-sleeved shirt, long pants, and socks and shoes. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

PERSONAL PROTECTIVE EQUIPMENT (PPE)
Applicators and other handlers must wear: Long-sleeved shirt and long pants; chemical-resistant gloves, such as barrier laminate, butyl rubber ≥ 11 mils, nitrile rubber ≥ 14 mils or viton ≥ 14 mils; and shoes plus socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets with requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240 (d) (4-6), the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) 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 directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply in a manner that will directly expose canals, lakes, streams, ponds, marshes or estuaries to aerial drift. Do not contaminate water when disposing of equipment washwaters.

PRODUCT INFORMATION

Trifluralin 5G specialty herbicide is a pre-emergence herbicide for control of certain annual grasses and broadleaf weeds in container grown ornamentals, landscape ornamentals, nursery stock, groundcovers, established flowers, ornamental bulbs, non-bearing fruit and nut trees and non-bearing vineyards, Christmas tree plantations, non-cropland, and under paved surfaces. Apply this product 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 of this product. Do not apply over 240 pounds per acre total of this product within a 12-month period.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all directions for use carefully before applying. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow worker entry into treated areas during the restricted entry interval REI of 12 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: Coveralls, chemical resistant gloves and shoes plus socks.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements of this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. 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.

WEED RESISTANCE MANAGEMENT

This product is a Group 3 herbicide. Any weed population may contain or develop plants naturally resistant to this product and other Group 3 herbicides. Weed species with acquired resistance to Group 3 may eventually dominate the weed population if Group 3 herbicides are used repeatedly in the same field or in successive years as primary method of control for targeted species. This may result in partial or total loss of control of those species by this product or other Group 3 herbicides. To delay herbicide resistance, consider:

- Avoiding the consecutive use of this product or other target site of action Group 3 herbicides that have a similar target site of action on the same weed species.
- Using tank-mixtures or pre-mixes with herbicides from different targe site of action Groups as long as the involved products are all registered for the same use, have different sites of action, and are both effective at the tank-mix or pre-pack rate on the weed(s) of concern.
- Basing herbicide use on a comprehensive IPM program.
- Monitoring treated weed populations for loss of field efficacy.
- Contacting your local extension specialist, certified crop advisors and/or manufacturer for herbicide resistance management and/or integrated weed management recommendations for specific crops and resistant weed biotypes.

USE PRECAUTIONS

This product does not control established weeds. Control existing weeds by cultivation or with post-emergence herbicides. Remove weed residues, prunings, and trash or thoroughly mix them into the 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 will be obtained when followed by overhead irrigation or rainfall within a few hours after surface application or 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.

USE RESTRICTIONS

Do not apply when wind conditions favor drift of granules of this product from the target area. Do not apply this product by air.

WEEDS CONTROLLED

The following weeds are CONTROLLED when this product is applied at 80 lb/acre (1.8 lb/1000 sq ft):

Common Name	Scientific Name	Common Name	Scientific Name
Annual Grasses:		Annual Broadleaf Weeds	
Barley, hare	<i>Hordeum leporinum</i>	Chickweed, Common	<i>Stellaria media</i>
Barnyardgrass (Watergrass)	<i>Echinochloa crus-galli</i>	Goosefoot, Nettleleaf	<i>Chenopodium murale</i>
Bluegrass, Annual	<i>Poa annua</i>	Knotweed, Prostrate	<i>Polygonum aviculare</i>
Brome	<i>Bromus spp.</i>	Kochia	<i>Kochia scoparia</i>
Cheat	<i>Bromus secallnus</i>	Lambsquarters, Common	<i>Chenopodium album</i>
Crabgrass	<i>Digitaria spp.</i>	Nettle, Stinging	<i>Urtica dioica</i>
Cupgrass, Southwestern	<i>Eriochloa gracilis</i>	Pigweed	<i>Amaranthus spp.</i>
Fescue, Rattail	<i>Vulpia myuros</i>	Purslane, Common	<i>Portulaca oleracea</i>
Foxtail	<i>Setaria spp.</i>	Thistle, Russian	<i>Salsola iberica</i>
Goosegrass	<i>Eleusine indica</i>		
Junglerice	<i>Echinochloa colonum</i>		
Lovegrass	<i>Eragrostis spp.</i>		
Oat, Wild	<i>Avena fatua</i>		
Panicum, Fall	<i>Panicum dichotomiflorum</i>		
Sandbur, Field	<i>Cenchrus incertus</i>		
Signalgrass	<i>Brachiaria spp.</i>		
Sprangletop, Mexican	<i>Leptochioa univervia</i>		
Stinkgrass	<i>Eragrostis cilianensis</i>		
Witchgrass	<i>Panicum capillare</i>		

The following weeds are PARTIALLY CONTROLLED or SUPPRESSED when this product is applied at 80 lb/acre (1.8 lb/1000 sq ft).

Common Name	Scientific Name	Common Name	Scientific Name
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 texanum</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 for Applying This Product

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.

USES

CONTAINER GROWN ORNAMENTALS, LANDSCAPE ORNAMENTALS, NURSERY STOCK, GROUNDCOVERS, ESTABLISHED FLOWERS, ORNAMENTAL BULBS, NON-BEARING FRUIT AND NUT TREES AND NON-BEARING VINEYARDS, AND CHRISTMAS TREE PLANTATIONS. This product is recommended as a pre-emergence treatment for control of certain annual grasses and broadleaf weeds in container grown ornamentals, landscape ornamentals, nursery stock, groundcovers, established flowers, ornamental bulbs, non-bearing fruit and nut trees and non-bearing vineyards and Christmas tree plantations. Apply this product before or after planting but prior to germination of target weeds, or immediately after cultivation. Refer to the "PRODUCT INFORMATION" section of this label for use precautions, restrictions and information on application, application rates and weeds controlled.

Special Use Precautions:

- To avoid possible injury, do not apply this product to the following:
 - Nursery forest or Christmas tree seedling beds, cutting beds or transplant beds.
 - Unrooted liners or cuttings that have been planted in pots for the first time.
 - Pots less than 4 inches wide.
 - Groundcovers until they are established and well rooted.

Do not apply this product to newly transplanted ornamentals, nursery stock, groundcovers, flowers and non-bearing fruit and nut crops and non-bearing vineyards 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 pre-plant applications of this product to areas where Gladioli corms less than 1 inch in diameter will be planted or injury may occur.

Use Restrictions:

- Do not apply this product in greenhouse or other enclosed structures.
- Do not make repeat applications sooner than 60 days after a previous application of this product.
- Do not apply over 240 pounds per acre total of this product within a 12-month period.

Users who wish to use this product on plant species not listed on this label may determine suitability for such uses by making trial application of this product at specified rate to small number of plants. Prior to using this product on a larger 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 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 listed on this label.**

ESTABLISHED FLOWERS		ESTABLISHED FLOWERS (cont page 2)	
Common Name	Scientific Name	Common Name	Scientific Name
Aaron's beard	<i>Hypericum calycinum</i>	Gladiolus	<i>Gladiolus spp.</i>
African daisy	<i>Arctotis spp.</i>	Golden glow	<i>Rudbeckia laciniata</i>
Alyssum	<i>Alyssum spp.</i>	Guara	<i>Guara lindheimeri</i>
Aster (perennial)	<i>Aster spp.</i>	Impatiens	<i>Impatiens spp.</i>
Baby's breath	<i>Gypsophilla paniculata</i>	Iris	<i>Iris spp.</i>
Balsam	<i>Impatiens balsamina</i>	Ixora	<i>Ixora spp.</i>
Beard tongue	<i>Penstemon barbatus</i>	Lamb's ears	<i>Stachys spp.</i>
Bee balm	<i>Monarda didyma</i>	Lobelia	<i>Lobelia spp.</i>
Begonia	<i>Begonia spp.</i>	Lupine	<i>Lupinus spp.</i>
Blackeyed Susan	<i>Rudbeckia hirta</i>	Marigold	<i>Tagetes spp.</i>
Bleeding heart	<i>Dicentra eximia</i>	Marigold, cape	<i>Dimorphothecca spp.</i>
Calendula	<i>Calendula officianalis</i>	Morningglory	<i>Convolvulus spp.</i>
California Poppy	<i>Eschscholzia californica</i>	Nasturtium	<i>Tropaeolum spp.</i>
Chrysanthemum	<i>Chrysanthemum spp</i>	Nicotiana	<i>Nicotiana spp.</i>
Common foxglove	<i>Digitalis purpurea</i>	Ozark sundrop	<i>Oenothere missouriensis</i>
Coral bells	<i>Heuchera spp.</i>	Painted daisy	<i>Tanacetum coccineum</i>
Coreopsis	<i>Coreopsis spp.</i>	Petunia	<i>Petunia hybrida</i>
Cornflower	<i>Centaurea cyanus</i>	Phlox	<i>Phlox spp.</i>
Cosmos	<i>Cosmos spp.</i>	Pincushion flower	<i>Scabiosa spp.</i>
Dahlia	<i>Dahlia spp.</i>	Poppy, California	<i>Papaver spp.</i>
Dianthus	<i>Dianthus spp.</i>	Portulaca	<i>Portulaca grandiflora</i>
Dusty miller	<i>Artemisia stellerana</i>	Purple coneflower	<i>Echinacea purpurea</i>
English lavender	<i>Lavandula angustifolia</i>	Rose	<i>Rosa spp.</i>
Floss flower	<i>Ageratum houstonianum</i>	Russian sage	<i>Perovskia atriplicifolia</i>
Forget-me-not	<i>Myosotis spp.</i>	Salvia	<i>Salvia spp.</i>
Four o'clock	<i>Mirabilis jalapa</i>	Shasta daisy	<i>Leucanthemum superbum</i>
Foxglove	<i>Digitalis mertonensis</i>	Silver mound	<i>Artemisia schmidtiana</i>
Gaillardia	<i>Gaillardia spp.</i>	Snaptadragon	<i>Antirrhinum majus</i>
Gayfeather	<i>Liatris spicataia</i>	Snow-on-the-mountain	<i>Euphorbia marginata</i>
Geranium	<i>Geranium spp.</i>	Speedwell	<i>Veronica spicatum</i>
Geum	<i>Geum spp.</i>	Statice	<i>Limonium spp.</i>

ESTABLISHED FLOWERS cont.

Common Name	Scientific Name
Stock	<i>Matthiola</i> spp.
Stoke's aster	<i>Stokesia laevis</i>
Stonecrop	<i>Sedum spectabile</i>
Sunflower	<i>Helianthus</i> spp.
Sweet alyssum	<i>Lobularia maritima</i>

ESTABLISHED FLOWERS cont.

Common Name	Scientific Name
Sweet pea	<i>Lathyrus odoratus</i>
Sweet sultan	<i>Centaurea moschata</i>
Velvet centaurea	<i>Centaurea gymnocarpa</i>
Vinca	<i>Vinca</i> spp.
Yarrow	<i>Achillea</i> spp.
Zinnia	<i>Zinnia</i> spp.

ORNAMENTAL SHRUBS

Scientific Name	Common Name
<i>Abelia grandiflora</i>	Edward Goucher abelia Glossy abelia
<i>Acacia abyssinica</i>	Abyssinica acaci
<i>Acacia redolens</i>	Prostrate acacia
<i>Acacia stenophylla</i>	Shoestring acacia
<i>Acalypha wilkesiana</i>	Copper leaf
<i>Acer ginnala</i>	Amur maple
<i>Acer palmatum</i>	Coral bark Japanese maple Dwarf Japanese maple Century plant
<i>Agave americana</i>	False spiraea
<i>Astilbe chinensis</i>	Japanese painted fem
<i>Athyrium nipponicum</i>	Coyotebush
<i>Baccharis pilularis</i>	William penn barberry
<i>Berberis gladwynensis</i>	Mentor barberry
<i>Berberis mentorensis</i>	Atropurea-redleaf
<i>Berberis thunbergii</i>	Japanese barberry Aurea-golden Japanese barberry
	Crimson pygmy barberry
	Rose glow barberry
	Barbara Karst
	California gold
	Pink pixie
	Scarlet O'Hara
	Temple fire
	Texas dawn
	Japanese boxwood
	Korean boxwood
	Common boxwood
	Lemon bottlebrush
	Weeping bottlebrush
	Spring torch scotch heather
	Sasanqua camellia
	Camellia japonica
	Feathery cassia
	Wild lilac
	Plum yew
	Snow-in-summer
	Kosteri cypress
	Nana-dwarf Hinoki cypress
	Torulosa cypress
	Filifera-thread cypress
	Areca palm
	Summersweet
	Japanese cleyera
	Sibirica-Siberian dogwood
	Baileyi red osier dogwood
	Flaviramea-yellowtwig dogwood
	Royal purple smoke tree
	Coral beauty smoke tree
	Eichholz smoke tree
	Praecox-early cotoneaster
	Cranberry cotoneaster
	Pyrenees cotoneaster
	Bearberry cotoneaster
	Himalayan cotoneaster
	Rock cotoneaster
	Zabel cotoneaster
	Sago palm
	Hollandia-warminster broom
	Lena-Scotch broom
	Fragrant daphne
	Deutzia
	Hopseed bush
	Fruitland silver berry
	Purple bell heather
	Mediterranean pink heather
	Cornish heather
	Winged euonymus
	Canadale gold euonymus
	Emerald'n gold euonymus
	Sunspot euonymus
	Wintercreeper euonymus
	Silver king-euonymus
	Variegated evergreen euonymus
	Spreading euonymus
	Pineapple guava
	Forsythia
	August beauty gardenia
	Gardenia
	Radican gardenia
	Salal/lemon leaf
	Carolina jessamine
	Woadwaxen
	Ross estey-hibiscus
	Rose of sharon-heart
	Rose of sharon-red bird
	Rose of sharon-woodbridge

ORNAMENTAL SHRUBS

Scientific Name	Common Name
<i>Illex</i> spp.	Holly
<i>Illicium annisatum</i>	Mystery gardenia
<i>Itea ilicifolia</i>	Henry Garnet holly leaf sweetspire
<i>Ixora collinea</i>	Ixora
<i>Juniperus</i> spp.	Juniper
<i>Kalmia latifolia</i>	Mountain laurel
<i>Lagerstroemia indica</i>	Crape myrtle
<i>Lantana</i> spp.	Lantana
<i>Leucothoe axillaris</i>	Coast leucothoe
<i>eucothoe fontanesiana</i>	Drooping leucothoe
<i>Ligustrum</i> spp.	Privet
<i>Livistona chinensis</i>	Chinese fountain palm
<i>Lonicera periclymenum</i>	Flowering woodbine
	Serotina woodbine
	Trumpet honeysuckle
	Leather leaf mahonia
	Creeping mahonia
	Wax myrtle
	Compacta-dwarf heavenly bamboo
	Harbour dwarf-heavenly bamboo
	Heavenly bamboo
	Nana compacta-heavenly bamboo
	Nana purpurea-heavenly bamboo
	Woods dwarf heavenly bamboo
	Hardy red oleander
	Oleander
	Ruby lace oleander
	Fortunes osmanthus
	Mockorange
	Pigmy date palm
	Fraser's photinia
	Japanese andromeda
	Mountain fire lily-of-the-valley
	Snowdrift lily-of-the-valley
	Templebells lily-of-the-valley
	Valley rose lily-of-the-valley
	Valley valentine lily-of-the-valley
	Forest flame lily-of-the-valley
	Mugo-mugho pine
	Pittosporum
	Japanese pittosporum
	Wheeler's dwarf pittosporum
	Blue cape pumbago
	Plumbago
	Yewpine
	Tassel fern
	Cinquefoil
	Carolina laurel cherry
	Dwarf pink flowering almond
	Pyracantha
	Charisma-monruce raphiolepis
	Enchantress-moness raphiolepis
	India hawthorn
	Springtime-monme raphiolepis
	Round leaf raphiolepis
	Azalea/rhododendron
	Atrica sumac
	Ramanas rose
	Rosemary
	Japanese skimmia
	Reeve's skimmia
	Anthony waterer spiraea
	Dolchia spiraea
	Japanese alpine spiraea
	Shirobana spiraea
	Bridal wreath
	Chinese lilac
	Common lilac
	Upright Japanese yew
	Anglojap yew
	Cape honeysuckle
	American arborvitae
	Emerald arborvitae
	Globosa-globe arborvitae
	Little giant-dwarf arborvitae
	Nigra-dark American arborvitae
	Pyramidalis-pyramid arborvitae
	Rheingold arborvitae
	Techny arborvitae
	Aureus nana-dwarf golden arborvitae
	Minima glauca-dwarf arborvitae
	Christmas palm
	Viburnum
	Weigela
	Xylosma
	Yucca

GROUND COVERS

Common Name	Scientific Name
Aaronsbeard	<i>Hyppenicum</i> spp.
Albo-marginata hosta	<i>Hosta lancifolia</i>
Algerian ivy	<i>Hedera canariensis</i>
Angelwing jasmine	<i>Jasminum nitidum</i>
Asian jasmine	<i>Trachelospermum asiaticum</i>
Asparagus fern	<i>Asparagus densiflorus</i>
Beechgrass	<i>Ammophila breviligulata</i>
Bellflower	<i>Campanula</i> spp.
Big blue lily turf	<i>Liriope muscari</i>
Blue fescue	<i>Festuca ovina glauca</i>
Cape weed	<i>Arctotheca calendula</i>
Carpet bugle	<i>Ajuga</i> spp.
Coreopsis	<i>Coreopsis</i> spp.
Cotoneaster	<i>Cotoneaster</i> spp.
Creeping wirevine	<i>Muehlenbeckia axillaris</i>
Crown vetch	<i>Coronilla vana</i>
Daylily	<i>Hemerocallis</i> spp.
Descampsia	<i>Descampsia caespitosa</i>
Dwarf Mondo grass	<i>Ophiopogon japonicus</i>
Dwarf plumbago	<i>Ceratostigma plumbaginoides</i>
English ivy	<i>Hedera helix</i>
Eulalia grass	<i>Miscanthus sinensis</i>
Fountain grass	<i>Pennisetum alopecuroides</i>
Gazania	<i>Gazania</i> spp.
Germander	<i>Teucrium chamaedrys</i>
Golden hakonechloa	<i>Hakonechloa macroaureola</i>
Green/creeping lily turf	<i>Liriope spicata</i>
Iceplant	<i>Drosanthemum hispidum</i>

GROUND COVERS

Common Name	Scientific Name
Japanese spurge	<i>Pachysandra terminalis</i>
Largeleaf iceplant	<i>Carpobrotus edulis</i>
Lilac beauty lily turf	
Lily-of-the-nile	<i>Agapanthus</i> spp.
Majestic lily turf	
Mondo grass	
Myoporum	<i>Myoporum laetum</i>
Pampas grass	<i>Cortaderia selloana</i>
Periwinkle	<i>Vinca</i> spp.
Ribbon grass	<i>Phalaris arundinacea picta</i>
Rockrose	<i>Cistus</i> spp.
Rupturewort	<i>Herniaria glabra</i>
Silvery sun proof lily turf	
Speedwell	<i>Veronica</i> spp.
St. Johnswort	
Stoncrop (sedum)	<i>Sedum</i> spp.
Strawberry, beach	<i>Fragaria chiloensis</i>
Thrift	<i>Armeria maritima</i>
Trailing African daisy	<i>Osteospermum fruticosum</i>
Trailing iceplant	<i>Lampranthus spectabilis</i>
Trailing rosea iceplant	<i>Drosantheum floribundum</i>
Variegated carex	<i>Carex</i> spp.
Variegated liriope lily turf	
Verbena	<i>Verbena</i> spp.
White iceplant	<i>Delosperma alba</i>
White lily turf	<i>Liriope gigantea</i>
Woolly yarrow	<i>Achillea tomentosa</i>

TREES

Scientific Name	Common Name
<i>Abies balsamea</i>	Balsam fir
<i>Abies concolor</i>	White fir
<i>Abutilon hybridum</i>	Albus-flowering maple
	Luteus-flowering maple
	Roseus-flowering maple
	Tangerine-flowering maple
	Vesuvius red-flowering maple
	Flame maple
	Norway maple
	Red maple
	Red sunset maple
	Silver maple
	Sugar maple
	Queen palm
	River birch
	Paper birch
	European white birch
	Bottle tree
	Black olive
	Chinese chestnut
	Carob
	Redbud
	Filicoides-femspray cypress
	Gracilis-slender Hinoki cypress
	Swara false cypress
	Squarrosa-moss cypress
	Palm
	Parlor palm
	Cloud nine dogwood
	Flowering dogwood
	Dogwood, Kousa
	Green hawthorn
	Carrot wood
	Arizona cypress
	Russian olive
	Redgum eucalyptus
	Mealy eucalyptus
	Silver dollar eucalyptus
	Coolibah tree
	Red ironbark eucalyptus
	Ficus
	Mini ficus
	White ash
	Shamel ash
	Ginko-maidenhair tree
	Honey locust
	Shademaster honey locust
	Toyan
	Florida anise-tree
	Eastern red cedar
	Japanese larch

TREES

Scientific Name	Common Name
<i>Liquidambar styraciflua</i>	American sweet gum
<i>Liriodendron tulipifera</i>	Tuliptree
<i>Magnolia</i> spp.	Magnolia
<i>Malus</i> spp.	Crabapple
<i>Morus alba</i>	White mulberry
<i>Musa aluminata</i>	Banana
<i>Nyssa sylvatica</i>	Blackgum
<i>Oxydendrum arboreum</i>	Sourwood
<i>Picea abies</i>	Norway spruce
	Pendula-weeping Norway spruce
	Repens-spreading Norway spruce
	Dwarf Alberta spruce
	White spruce
	Dwarf globe blue spruce
	Glaucia-Colorado blue spruce
	Hoopsii-hoop's blue spruce
	Koster-koster blue spruce
	Bristlecone pine
	Canary Island pine
	Shore pine, beach pine
	Eldarica pine
	Bosnian pine
	Pumilio-shrubby Swiss mountain pine
	Austrian black pine
	Monterey pine
	Red pine
	Loblolly pine
	White pine
	Columnar Scotch pine
	Scotch pine
	Japanese black pine
	London planetree
	American sycamore
	Californina sycamore
	Podocarpus
	Cottonwood
	Chilean mesquite
	Yoshino flowering cherry
	Douglasfir
	Scarlet oak
	Bear oak
	Pin oak
	Willow oak
	Red oak
	Live oak
	Black locust
	Willow
	Giant sequoia
	Mahogany
	Yellow tab
	Baldcypress
	Linden
	Eastern hemlock
	Chinese elm
	Mexican fan palm

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 this product 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*		
Almond	Fig	Orange
Apple	Filbert	Peach
Apricot	Gooseberry	Pear
Avocado	Grape, American	Pecan
Blackberry	Grape, European	Pistachio
Blueberry	Grapefruit	Plum
Boysenberry	Kiwi	Pomergranate
Cherry, sour	Lemon	Prune
Cherry, sweet	Loganberry	Raspberry
Currant	Macademia nut	Walnut, black
Dewberry	Nectarine	Walnut, English
Elderberry	Olive	

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

CHRISTMAS TREE PLANTATIONS

Apply this product to established plantings of field grown Christmas tree species listed on this label. Do not apply to seedbeds or seedling transplant beds. Apply only to established plantings. Established plants are defined as those that have been transplanted into their final growing location for a sufficient period of time to allow the soil to be firmly settled around the roots from packing and rainfall or irrigation. Follow all instructions provided in the "PRODUCT INFORMATION" section of this label.

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 this product any time prior to germination of target weeds. Areas to be treated should be free of established weeds or existing weeds should be controlled with post-emergence herbicides. Refer to the "PRODUCT INFORMATION" section prior to using this product on non-cropland.

UNDER PAVED SURFACES**Site Preparation**

This product should be used only where the soil to be treated has been prepared according to good construction practices. If rhizomes, stolons, tubers or other vegetative plant parts are present in the site, they should be removed by scalping with grader blade to a depth sufficient to ensure their complete removal.

Application

Applications may be made after the final road bed is established or after the base rock has been added. Do not move soil after application of this product and do not apply this product to soil where asphalt may be applied directly on top of treated soil. Paving should follow applications of this product as soon as possible. Apply this product to ensure thorough coverage of the base rock layer. Apply with any granular applicator that will apply uniformly. Apply the following amount of this product:

Amount of This Product	
Per Acre	Per 1000 Sq. Ft.
240 to 320 lbs.	5.5 to 7.3 lbs.

STORAGE AND DISPOSAL	
Do not contaminate water, food, or feed by storage or disposal.	
Pesticide Storage: Store in original container only. In case of leak or spill, contain material and dispose as waste.	
Pesticide Disposal: To avoid waste, use all materials in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often, such programs are run by State or local governments or by industry).	
Container Disposal: Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.	

WARRANTY -- CONDITIONS OF SALE

OUR DIRECTIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. to the extent consistent with applicable law, in no case shall the Manufacturer or the seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.