

2015-2736
2017-08-29



GROUP 29 HERBICIDE

SPECTICLE G

Herbicide

Ready-to-Use Granule

FOR CONTROL OF ANNUAL GRASS AND BROADLEAF WEEDS
IN CONTAINER-GROWN ORNAMENTALS

COMMERCIAL

GUARANTEE: Indaziflam 0.0224%

REGISTRATION NO. 32804 PEST CONTROL PRODUCTS ACT

READ THE LABEL AND BOOKLET BEFORE USING

NET CONTENTS: 1 kg to 25 kg

Product Information: 1-888-283-6847

Bayer CropScience Inc.
Suite 100, 3131 114th Avenue S.E.
Calgary, Alberta T2Z 3X2

In case of spills, poisoning or fire, telephone emergency response number
1-800-334-7577 (24 hours a day).

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. Harmful if swallowed, absorbed through the skin or inhaled. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using toilet. Remove and wash contaminated clothing before reuse.

Do not apply this product in a manner that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings. Do not use in residential areas. Residential areas are defined as any use site where bystanders including children could be exposed during or after application. This includes homes, schools, parks, playgrounds, playing fields, public buildings or any other areas where the general public could be exposed. **DO NOT** apply in greenhouses or indoors. Do not enter or allow worker re-entry into the treated area until granules are thoroughly watered-in and the treated soil has dried.

Do not apply by air.

DO NOT apply more than one application per season.

PERSONAL PROTECTIVE EQUIPMENT (PPE): During use, loading, application by handheld or push-type spreaders, clean-up, repair and removal of granules from leaves to prevent localized damage, wear a long-sleeved shirt, long pants, shoes plus socks and chemical-resistant gloves. During application by tractor-pulled broadcast spreader, wear a long-sleeved shirt, long pants and shoes plus socks. During all activities, wear a NIOSH-approved N95 filtering facepiece respirator (dust mask) that is properly fit tested. 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, smoking, chewing gum or using the toilet. Remove clothing/PPE immediately if pesticide gets inside, then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change clothing.

FIRST AID: Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention. **IF SWALLOWED:** Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person. **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 eye. Call a poison control centre or doctor for treatment advice. **IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre 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 by mouth-to-mouth, if possible. Call a poison control centre or doctor for treatment advice.

TOXICOLOGICAL INFORMATION: No specific antidote is available. Treat symptomatically.

ENVIRONMENTAL HAZARDS: TOXIC to aquatic organisms and non-target terrestrial plants. Any spilled or exposed granules must be incorporated into the soil or otherwise cleaned-up from the soil.

STORAGE: Store in a cool, dry and secure place.

. Keep in original container during storage. Store the tightly closed container away from feeds, seeds, fertilizers, plants and foodstuffs. To prevent contamination, store this product away from food or feed. Do not use or store in or around the home.

DISPOSAL/DECONTAMINATION:

Bag

Do not use this container for any purpose. Bag may be recyclable, check with your local distributor/dealer or municipality for the location of the nearest collection site. Prior to taking the bag to a collection site:

1. Empty bag thoroughly.
2. Make the empty bag unsuitable for further use.
3. Dispose of the bag in accordance with provincial requirements.

Recyclable Container

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

3. Triple- or pressure-rinse the empty container.
4. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

Returnable Container: Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

Returnable-Refillable Container: For disposal, this empty container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not use this container for any other purpose.

Disposal of Unused, Unwanted Product: For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for cleanup of spills.

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

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GENERAL INFORMATION

SECTION 1: NOTICES

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

SECTION 2: THE PRODUCT

SPECTICLE G Herbicide is a selective herbicide for season long control of important broadleaf and grass weeds in container-grown ornamentals.

SPECTICLE G Herbicide controls weeds by reducing the emergence of seedlings through inhibition of cellulose biosynthesis (CB Inhibitor). Necrosis or yellowing may also be observed if the herbicide is applied to herbaceous tissue such as leaves and green stems of susceptible plants.

SAFETY AND HANDLING

SECTION 3: PRECAUTIONS, PROTECTIVE CLOTHING AND EQUIPMENT

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN.

Harmful if swallowed, absorbed through the skin or inhaled. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using toilet. Remove and wash contaminated clothing before reuse.

Do not apply this product in a manner that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

Apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

Do not use in residential areas. Residential areas are defined as any use site where bystanders including children could be exposed during or after application. This includes homes, schools, parks, playgrounds, playing fields, public buildings or any other areas where the general public could be exposed.

DO NOT apply in greenhouses or indoors.

DO NOT apply more than one application per season.

Do not enter or allow worker re-entry into the treated area until granules are thoroughly watered-in and the treated soil has dried.

Do not apply by air.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

During use, loading, application by handheld or push-type spreaders, clean-up, repair and removal of granules from leaves to prevent localized damage, wear a long-sleeved shirt, long pants, shoes plus socks and chemical-resistant gloves. During application by tractor-pulled broadcast spreader, wear a long-sleeved shirt, long pants and shoes plus socks. During all activities, wear a NIOSH-approved N95 filtering facepiece respirator (dust mask) that is properly fit tested. 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, smoking, chewing gum or using the toilet. Remove clothing/PPE immediately if pesticide gets inside, then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change clothing.

SECTION 4: FIRST AID AND TOXICOLOGICAL INFORMATION

FIRST AID: Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

IF SWALLOWED:	<ul style="list-style-type: none">• Call a poison control centre or doctor immediately for treatment advice.• Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor.• Do not give anything by mouth to an unconscious person.
IF IN EYES:	<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 centre or doctor for treatment advice.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control centre or doctor for treatment advice.

IF INHALED:	<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 by mouth-to-mouth, if possible. • Call a poison control centre or doctor for treatment advice.
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TOXICOLOGICAL INFORMATION: No specific antidote is available. Treat symptomatically.

SECTION 5: ENVIRONMENTAL HAZARDS

TOXIC to aquatic organisms and non-target terrestrial plants. Any spilled or exposed granules must be incorporated into the soil or otherwise cleaned-up from the soil.

SECTION 6: STORAGE

- Store in a cool, dry and secure place.
- Keep in original container during storage.
- Store the tightly closed container/bag away from feeds, seeds, fertilizers, plants and foodstuffs.
- To prevent contamination, store this product away from food or feed.
- Do not use or store in or around the home.

SECTION 7: DISPOSAL/DECONTAMINATION

Bag

Do not use this container for any purpose. Bag may be recyclable, check with your local distributor/dealer or municipality for the location of the nearest collection site. Prior to taking the bag to a collection site:

1. Empty bag thoroughly.
2. Make the empty bag unsuitable for further use.
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Recyclable Container

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

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Returnable Container: Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

Returnable-Refillable Container: For disposal, this empty container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not use this container for any other purpose.

Disposal of Unused, Unwanted Product: For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for cleanup of spills.

DIRECTIONS FOR USE

SECTION 8: APPLICATION INFORMATION AND RESTRICTIONS

SPECTICLE G ready-to-use granular pre-emergent herbicide should be applied as a single over-the-top application for pre-emergent weed control in container-grown ornamentals, trees and shrubs with an established root system. Ornamentals should be established in the container for at least a week to allow the soil to settle and plants should be at least 12.7 cm (5 inches) tall prior to applying SPECTICLE G. Plants transplanted into containers must be done in weed free soil. Plants transplanted to old exposed soil mixes risk weed seed to germinate deeper in the pot. SPECTICLE G will not prevent shoot emergence from deeper weeds.

Apply SPECTICLE G prior to weed seed germination to dormant or actively growing ornamentals listed in the table below. To avoid foliar damage, do not apply SPECTICLE G to wet foliage which can cause adherence of the granules to the plant leaves causing localized damage. Granules should be applied to tolerant ornamentals on dry foliage and remain only on the soil surface. Remove granules from the leaves after application to prevent foliage injury. Examine plants to make sure that granules that may have adhered to foliage have been removed. When irrigating do not create conditions that cause visible run-off of irrigation water, use a minimum of 6 mm of water to remove any remaining granules from the foliage and activate the product in the soil.

Herbaceous annuals and perennials are sensitive to SPECTICLE G Herbicide. Applications of SPECTICLE G should only be made to ornamentals listed on this label. Make sure that the granules are evenly distributed on the soil surface.

For example, to apply SPECTICLE G Herbicide at a product use rate of 336 kg/ha (3.36 kg/100 m²), spread 0.50 g into a 15 cm (6 inch) pot.

SPECTICLE G ready to use granular herbicide provides pre-emergent, residual control of grass and broadleaf weeds. Apply SPECTICLE G around dormant plants. If applied after dormancy, care should be taken not to contact expanding buds or new leaves. SPECTICLE G should be applied to soil free of weeds, debris, and soil clods for optimum efficacy. Herbicidal efficacy may be reduced if soil is disturbed after application.

Application of SPECTICLE G to deciduous foliage or green bark may result in unacceptable injury. Apply SPECTICLE G to established container-grown ornamentals. If the grower is

uncertain about ornamental establishment after transplanting, wait 2 months before applying SPECTICLE G Herbicide.

AMOUNT TO USE: Apply SPECTICLE G Herbicide ready to use granule over-the-top to established container-grown ornamentals at a rate of 336 kg/ha (3.36 kg/100 m²), irrigate with 6 mm of water within one hour to wash granules from the leaf surface and activate the product into the soil. When applying SPECTICLE G Herbicide follow all restrictions.

To activate SPECTICLE G Herbicide for maximum herbicidal benefit, irrigate the area treated with SPECTICLE G to move the herbicide into the soil. With dry soil, use a minimum of 6 mm of irrigation water. With soil at or greater than field capacity, reduce the amount of irrigation water. In either case, do not create conditions that cause visible run-off of irrigation water. Adequate rainfall following an application will negate the need for irrigation.

APPLICATION METHOD: SPECTICLE G Herbicide may be applied as an over-the-top broadcast application ensuring the granules do not adhere to the foliage and is evenly distributed over the soil surface. Apply SPECTICLE G Herbicide using a clean, properly calibrated drop, rotary, hand-shaker or other spreader equipment according to manufacturer's directions. The application equipment must be calibrated to apply SPECTICLE G Herbicide at the labeled rate of 336 kg/ha (3.36 kg/100 m²).

Check periodically to be certain that the equipment is working properly prior to each use. Uniform application is essential for satisfactory weed control. When using a drop type spreader, a splashboard mounted under the hopper will provide uniform and even distribution of the granules. Walk and turn the crank at a constant rate of speed if using a handheld or push type of rotary applicator. Avoid poor weed control or crop injury that may occur from applications that have skips or overlaps.

Equipment used to apply SPECTICLE G Herbicide must be cleaned prior to use on other sensitive ornamentals, or injury may result. Before and after using SPECTICLE G Herbicide, clean all equipment on an approved rinse pad. Wear proper PPE while cleaning equipment.

COMBINATIONS OF SPECTICLE G WITH NON SELECTIVE HERBICIDES AROUND ORNAMENTALS

Remove existing weed growth before application of SPECTICLE G Herbicide or use a post-emergence herbicide labeled for control. Avoid contact of spray containing a non-selective herbicide with foliage, stems, green bark, or bare roots of container-grown trees, shrubs, or other desirable vegetation, since severe damage may result. If spraying areas adjacent to desirable plants with a non-selective herbicide, use a shield while spraying to help prevent spray from contacting foliage of desirable plants.

Do not apply SPECTICLE G Herbicide to plant types not listed as tolerant on this label. SPECTICLE G may be applied to cultivars of tolerant plants that are not listed on this label. Prior to large-scale applications, treat a small number of such plants at the labelled use rate.

Treated plants should then be evaluated 1 to 2 months after application for possible injury and acceptable tolerance.

IMPORTANT: Apply SPECTICLE G Herbicide granules as an over-the-top application to container-grown ornamentals. To avoid injury to ornamentals, irrigate with a sufficient amount of water within one hour to wash granules from leaf surfaces. Application of SPECTICLE G after bud swell may cause injury if granules remain on foliage. Avoid application under environmental conditions that favour possible adherence of the granule to non-targeted areas. Deep cultivation reduces the effectiveness of SPECTICLE G and should be avoided.

USE RESTRICTIONS FOR SPECTICLE G ON CONTAINER-GROWN PRODUCTION ORNAMENTALS

- Do not exceed the labelled application rate of 336 kg/ha (3.36 kg/100m²). Do not exceed a total of 336 kg of SPECTICLE G per hectare in a 12 month period.
- Do not allow granules applied “over-the-top” to remain in contact with foliage. SPECTICLE G may cause localized injury to the foliage, especially young leaf tissue. If the granules should contact or adhere to the foliage, remove from affected foliage immediately.
- Do not use SPECTICLE G on ornamentals where granules may become trapped in developing leaves or in meristematic areas (e.g. in whorls of grasses and perennials, such as hosta).
- Do not use SPECTICLE G around bedding plants (including annuals and herbaceous plants not specified, or not listed as tolerant on this label).
- Do not use SPECTICLE G around bearing fruit and nut trees.
- Do not use SPECTICLE G around non-bearing fruit trees unless they are at least 5 years old (grape vines) and 3 years old (all others). Non-bearing trees are defined as trees that will not bear fruit until at least 1 year after treatment.
- Do not mix SPECTICLE G into the soil. Cultivating or disturbing the soil surface after application may reduce weed control activity.
- If transplanting mature plants listed as tolerant on this label into soil treated with SPECTICLE G within the preceding 12 months, discard existing soil from the planting hole and add new soil around roots to minimize effects on plant establishment.
- Do not use SPECTICLE G on ornamentals being grown in a greenhouse.
- Do not use SPECTICLE G on nursery seedbeds, rooted cuttings or young plants in liners.
- Do not apply SPECTICLE G to ornamentals growing in containers less than 15 cm (6 inches) wide.
- Do not apply SPECTICLE G to ornamentals less than 12.7 cm (5 inches) in height.
- Do not apply SPECTICLE G to herbaceous perennials (e.g. daylily or hosta) after they have emerged.

- Do not apply SPECTICLE G over-the-top of deciduous ornamentals at bud break.
- Do not apply SPECTICLE G to unhealed budded grafts or other types of grafts.
- Do not apply SPECTICLE G to drainage ditches.
- Do not apply SPECTICLE G by air.
- DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.
- As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests

USE OF SPECTICLE G ON ORNAMENTALS IN COARSE AND SANDY SOILS

Soil conditions can affect the tolerance of ornamentals to SPECTICLE G Herbicide. Excessively coarse or sandy soils may allow for downward movement of SPECTICLE G into the root zone and cause significant root damage and phytotoxicity. Coarse soils, for example, may include significant quantities of sand, gravel, decomposed granite, and ground cinders. Prior to application of SPECTICLE G on these soils, confirm soil texture with a soil test. Ornamentals grown in soil exceeding 80% sand or 20% gravel may be at risk. If SPECTICLE G is to be applied in these soils, evaluate tolerance of a few plants of each ornamental in SPECTICLE G treated soil for 2-3 months prior to a large scale application.

SYMPTOMS OF SPECTICLE G INJURY ON ORNAMENTALS

SPECTICLE G Herbicide may injure sensitive ornamentals by damaging roots or leaves. Plants damaged by root absorption will appear stunted, deformed, and may not recover. If SPECTICLE G Herbicide is allowed to contact leaves, leaf symptoms including leaf spot or lesions, leaf discoloration, and leaf curl may appear. Symptoms appear within several days after application. Leaves formed after appearance of symptoms may recover.

Users must assess the severity of any symptoms on cultivars not listed on this label, before proceeding with large-scale applications of SPECTICLE G. The user assumes all responsibility for damage on cultivars not listed on this label.

SECTION 9: WEEDS CONTROLLED AND ORNAMENTAL USES

WEEDS CONTROLLED: Application of SPECTICLE G Herbicide at 336 kg/ha and according to label directions will provide effective control of the following species:

Broadleaf Weed Common Name	Species
Bittercress, (including Hairy)	<i>Cardamine</i> sp.
Black medic	<i>Medicago lupulina</i>
Carpetweed	<i>Mollugo verticillata</i> L
Chickweed, Mouse-ear	<i>Cerastium vulgatum</i>

Clover, White*	<i>Trifolium repens</i>
Corn speedwell	<i>Veronica arvensis</i>
Cudweed	<i>Gnaphalium sp.</i>
Curly dock	<i>Rumex crispus</i>
Dog fennel	<i>Eupatorium capillifolium</i>
Field bindweed	<i>Convolvulus arvensis</i>
Fleabane, Hairy	<i>Erigeron bonariensis</i>
Groundsel, Common	<i>Senecio vulgaris</i>
Hawksbeard, Smooth	<i>Crepis capillaris</i>
Henbit	<i>Lamium amplexicaule</i>
Kochia*	<i>Kochia scoparia</i>
Lambsquarters, Common	<i>Chenopodium album</i>
Little mallow	<i>Malva pariflora</i>
London rocket*	<i>Sisymbrium irio</i>
Morning glory	<i>Ipomoea sp.</i>
Mustard, Black	<i>Brassica nigra</i>
Mustard, Wild	<i>Sinapis arvensis</i>
Nightshade, American black	<i>Solanum americanum</i>
Nightshade, Hairy	<i>Solanum sarrachoides</i>
Pigweed, Prostrate	<i>Amaranthus blitoides</i>
Pigweed, Redroot*	<i>Amaranthus retroflexus</i>
Prostrate knotweed	<i>Polygonum aviculare</i>
Plantain, Buckthorn	<i>Plantago lanceolata</i>
Prickly lettuce*	<i>Lactuca serriola</i>
Purslane, Common	<i>Portulaca oleraceus</i>
Spurge, Spotted	<i>Euphorbia maculate</i>
Shepherd's-purse	<i>Capsella bursa-pastoris</i>
Sowthistle, Annual	<i>Sonchus oleraceus</i>
St-John wort	<i>Hypericum perforatum</i>
Starthistle, Yellow	<i>Centaurea solstitialis</i>
Stork's bill	<i>Erodium cicutarium</i>
Sunflower, Common	<i>Helianthus annuus</i>
Vetch, Purple	<i>Vicia benghalensis</i>
Woodsorrel, Yellow	<i>Oxalis stricta</i>

GRASSES, MONOCOTS, AND SEDGES	
Annual bluegrass/ 'Poa'	<i>Poa annua</i>
Barnyardgrass, Common	<i>Echinochloa crus-galli</i>
Bluestem, Broomsedge	<i>Andropogon virginicus</i>
Cheatgrass	<i>Bromus secalinus</i>
Crabgrass (Large, smooth and hairy)	<i>Digitaria sp.</i>
Foxtail, Giant	<i>Setaria faberi</i>
Foxtail, Green	<i>Setaria viridis</i>
Foxtail, Yellow	<i>Pennisetum glaucum</i>
Goosegrass	<i>Eleusine indica</i>
Grasses, Brome (Downy, ripgut and cheat)	<i>Bromus sp.</i>
Italian ryegrass	<i>Lolium multiflorum</i>
Medusa head	<i>Taenitherem caput-medusae</i>
Ryegrass, Annual	<i>Lolium multiflorum</i>
Ryegrass, Perennial	<i>Lolium perenne</i>
Sedge, Globe**	<i>Cyperus globulosus</i>
Stinkgrass	<i>Eragrostis cilianensis</i>
Tufted lovegrass	<i>Eragrostis pectinacea</i>
Volunteer common rye	<i>Secale cereal L.</i>
Wild barley	<i>Hordeum vulgare L.</i>
Wild oats	<i>Avena fatua</i>
Wild proso millet	<i>Panicum miliaceum L.</i>
* Weeds suppressed by SPECTICLE G Herbicide.	
**SPECTICLE G Herbicide only controls globe sedge emerging from seed.	
Do not exceed a total of 336 kg per ha per year.	

ORNAMENTALS AND THEIR CULTIVARS TOLERANT TO SPECTICLE G Herbicide

Tolerant ornamentals and their cultivars are listed in the following table. Apply as a directed spray around tolerant ornamentals. If a cultivar to be treated is not listed on this label, treat several plants of the cultivar at the labelled use rate and evaluate 1-2 months later for possible injury and acceptable tolerance. The user assumes responsibility for application on plants not listed in this table.

Common Name	Scientific Name	Cultivar
Abelia	<i>Abelia grandiflora</i>	
Almond	<i>Prunus sp.</i>	
Apple	<i>Malus sp.</i>	(non-bearing)

Apple	<i>Malus domestica</i>	Haralred (non-bearing)
Apricot	<i>Prunus sp.</i>	(non-bearing)
Arborvitae	<i>Thuja occidentalis</i>	Nigra Techny Green Giant
Asparagus Fern	<i>Asparagus plumosus</i>	
Aspen, Quaking	<i>Populus tremuloides</i>	
Azalea	<i>Rhododendron sp.</i>	Girard's Rose Fashion VF 14 Golden Torch
Azalea, Encore	<i>Rhododendron sp.</i>	Autumn Debutante
Bald Cypress	<i>Taxodium distichum</i>	
Bamboo, Golden	<i>Phyllostachys aurea</i>	
Barberry	<i>Berberis sp.</i>	
Beech	<i>Fagus sp.</i>	
Beauty Bush	<i>Kolkwitzia amabilis</i>	
Birch	<i>Carpinus sp.</i> <i>Corylus sp.</i>	
Birch, Gray	<i>Betula populifolia</i>	Whitespire
Birch, Black	<i>Betula lenta</i>	
Birch, River	<i>Betula nigra</i>	Heritage
Black Hawthorn	<i>Crataegus douglasii</i>	
Black Tupelo	<i>Nyssa sylvatica</i>	Wild Fire
Bleeding Heart Vine	<i>Clerodendrum thomsoniae</i>	Bleeding Heart
Bluebird	<i>Caryopteris x clandonensis</i>	Dark Knight
Bottlebrush, Crimson	<i>Callistemon citrinus</i>	
Bottlebrush, Lemon	<i>Callistemon sp.</i>	
Bougainvillea	<i>Bougainvillea sp.</i>	Barbara Karst Double Red
Boxwood	<i>Buxus microphylla</i>	Green Beauty Chicagoland Green Baby Gem Wintergreen
Butterfly Bush	<i>Buddleia sp.</i>	Nanho Blue
Camellia, Japanese	<i>Camellia japonica</i>	Margaret Heathcliff Pink
Camellia, Little leaf	<i>Camellia sasanqua</i>	Cleopatra Pink
Catalpa, Southern	<i>Catalpa bignoniaceae</i>	
Cedar, Atlantic white	<i>Chamaecyparis thyoides</i>	
Cedar, Eastern Red	<i>Juniperus virginiana</i>	Idyllwild
Cedar, Japanese	<i>Cryptomeria japonica</i>	Black Dragon Burkii Yoshino
Cedar, Mediterranean	<i>Cedrus libani</i>	
Chaste Tree	<i>Vitex agnus-castus</i>	Abbeville Blue
Cherry	<i>Prunus sp.</i>	(non-bearing)
Cherry, American Plum	<i>Prunus americana</i>	
Cherry, Okame	<i>Prunus x incamp</i>	
Cherry, Japanese	<i>Prunus serrulata</i>	Kwanzan
Cherry, Purple Leaf Sand	<i>Prunus cistena</i>	

Cherry, Sargent	<i>Prunus sargentii</i>	Spring Wonder
Cherry, Yoshino	<i>Prunus x yedoensis</i>	Yoshino
Chestnut	<i>Castanea sp.</i>	
Chokeberry	<i>Aronia sp.</i>	
Cotoneaster	<i>Cotoneaster dammeri</i>	Coral Beauty
Cottonwood	<i>Populus deltoides</i>	Sioux
Crabapple	<i>Malus x 'Harvest Gold'</i>	
Crabapple	<i>Malus x 'Snowdrift'</i>	
Crabapple	<i>Malus coronaria</i>	
Crape Myrtle	<i>Lagerstroemia indica x fauriei</i> <i>Lagerstroemia x 'Miami'</i> <i>Lagerstroemia indica</i>	Muskogee Natchez Tuscarora Sarah's Favourite Pocomoke Pink Burgundy Cotton Rose Red Siren Red
Cypress, False	<i>Chamaecyparis sp.</i>	Gold Mops Gold Thread
Cypress, Mediterranean	<i>Cupressus sempervirens</i>	
Cypress, Leyland	<i>Cupressus x leylandii</i>	
Daphne	<i>Daphne caucasica</i>	Summer Ice
Dawn Redwood	<i>Metasequoia glyptostroboides</i>	
Daylily (before unfurling)	<i>Hemerocallis sp.</i>	Green Flutter Stella d'Oro
Dogwood, Flowering	<i>Cornus florida</i>	
Dogwood, Kousa	<i>Cornus kousa</i>	Kousa
Deutzia	<i>Deutzia gracilis</i>	Nikko
Elm (Common hackberry)	<i>Celtis sp.</i>	
Elm, American	<i>Ulmus americana</i>	
Elm, Bosque	<i>Ulmus parvifolia</i>	
Eucalyptus, Silver Dollar Gum	<i>Eucalyptus polyanthemos</i>	
Euonymus	<i>Euonymus alatus</i>	Compacta
Fir, Fraser	<i>Abies fraseri</i>	
Florida Pipestem	<i>Leucothoe populifolia</i>	
Forsythia	<i>Forsythia sp.</i>	Golden Bell Lynwood Gold
Gardenia	<i>Gardenia radicans</i>	Radicans
Gardenia	<i>Gardenia jasminoides</i>	Mystery Frostproof
Gaura	<i>Gaura lindheimeri</i>	Pink Fountain
Ginkgo	<i>Ginkgo biloba</i>	
Gold-Dust Plant	<i>Aucuba japonica</i>	Gold Dust
Green Ash	<i>Fraxinus pennsylvanica</i>	Georgia Gem
Hardy Kiwi	<i>Actinidia arguta</i>	Anna
Hawthorn, Black	<i>Crataegus douglasii</i>	
Hawthorn, Thornless	<i>Crataegus crus-galli</i>	Inermis
Hibiscus	<i>Hibiscus paramutabilis x syriacus</i>	Lohengrin

Hibiscus, Chinese	<i>Hibiscus rosa-sinensis</i>	San Diego Red President Red
Hickory	<i>Carya sp.</i>	Hickory nut
Holly	<i>Ilex sp.</i>	
Holly, Dragon Lady	<i>Ilex x aquipernyl</i>	
Holly, Chinese (Dwarf Burford)	<i>Ilex cornuta</i>	Needlepoint Burdordii Nana
Holly, Foster	<i>Ilex x attenuata</i>	East Palatka Fosteri
Holly, Gallberry (Inkberry)	<i>Ilex glabra</i>	Densa Compacta
Holly, Meservae	<i>Ilex meservae</i>	Blue Princess
Holly, Nellie R. Stevens	<i>Ilex x 'Nellie R. Stevens'</i>	Nellie R. Stevens
Holly, American	<i>Ilex opaca</i>	
Holly (Winterberry)	<i>Ilex verticillata</i>	Jim Dandy Red Sprite
Holly, Japanese	<i>Ilex crenata</i>	Sky Pencil
Honeylocust	<i>Gleditsia tricanthos</i>	Sunburst Skyline
Honeysuckle, European	<i>Lonicera periclymenum</i>	Harlequin
Horsechestnut	<i>Aesculus sp.</i>	
Hosta (before emergence)	<i>Hosta sp.</i>	
Indian Hawthorn	<i>Raphiolepis indica</i>	Pink Lady
Japanese Cleystera	<i>Ternstroemia gymnanthera</i>	
Japanese Mock-orange	<i>Pittosporum tobira</i>	Variegata
Japanese Plum Yew	<i>Cephalotaxus harringtonia</i>	Fastigiata
Japanese Yew	<i>Taxus x media</i>	Densiformis
Japanese Yew	<i>Taxus cuspidata</i>	
Jasmine, Asiatic/Yellow Star	<i>Trachelospermum asiaticum</i>	Minima
Jasmine, Winter	<i>Jasminum nudiflorum</i>	
Juniper, Bar Harbour	<i>Juniperus horizontalis</i>	Bar Harbour
Juniper, Blue Pacific	<i>Juniperus conferta</i>	Blue Pacific
Juniper, Blue Rug	<i>Juniperus horizontalis</i>	Blue Rug
Juniper, Blue Star	<i>Juniperus squamata</i>	Blue Star
Juniper, Brodie	<i>Juniperus virginiana</i>	
Juniper	<i>Juniperus chinensis</i>	Spartan Sea Green
Juniper, Japanese Garden	<i>Juniperus procumbens</i>	
Lantana	<i>Lantana camara</i>	Landmark Sunrise Rose
Lilac	<i>Syringa x 'Penda'</i>	Bloomerang
Lilac, Manchurian	<i>Syringa 'pubescens' subsp. Patula</i>	Miss Kim
Lilac, Wild	<i>Ceanothos sp.</i>	
Lily of the Valley Shrub	<i>Pieris japonica var. yak</i> <i>Pieris japonica</i>	Cavatine Mountain Fire
London Plane Tree	<i>Plantanus acerifolia</i>	
Loropetalum	<i>Loropetalum chinensis</i>	Burgundy Ruby Plum Purple Rubra

Magnolia	<i>Magnolia grandiflora</i>	Bracken's Brown Beauty Little Gem
Magnolia, Jane	<i>Magnolia liliflora</i> 'Nigra' x <i>M. stellata</i>	Rosea
Magnolia, Loebner	<i>Magnolia x loebneria</i>	Leonard Messel
Magnolia, Star	<i>Magnolia stellata</i>	Waterlily
Maple, Autumn Blaze	<i>Acer freemanii</i>	Jeffersred
Maple, Japanese	<i>Acer palmatum</i>	Bloodgood
Maple, Red	<i>Acer rubrum</i>	
Maple, Red	<i>Acer rubrum</i>	Red Sunset October Glory Frank's Red
Maple, Silver	<i>Acer saccharinum</i>	
Maple, Sugar	<i>Acer saccharum</i>	Commemoration
Nandina	<i>Nandina domestica</i>	Firepower
Nectarine	<i>Prunus sp.</i>	(non-bearing)
Ninebark, Eastern	<i>Physocarpus opulifolius</i>	Summer Wine Coppertina Darts Gold
Oak	<i>Quercus sp.</i>	
Oak, Cathedral Live	<i>Quercus virginiana</i>	SDLN
Oak, Northern Red	<i>Quercus rubra</i>	
Oak, Nuttall	<i>Quercus nuttallii</i>	
Oak, Shumard	<i>Quercus shumardii</i>	
Ohio Buckeye	<i>Aesculus glabra</i>	
Oleander	<i>Nerium oleander</i>	Cardinal Red
Palm, Areca	<i>Dypsis lutescens</i>	
Palm, Manila	<i>Adonidia merrillii</i>	
Palm, Alexander	<i>Archontophoenix alexandrae</i>	
Palm, Florida Thatch	<i>Thrinax radiata</i>	
Palm, Spindle	<i>Hyophorbe verschaffeltii</i>	
Passionvine	<i>Passiflora caerulea</i>	Blue
Peach	<i>Prunus sp.</i>	(non-bearing)
Pear	<i>Pyrus sp.</i>	(non-bearing)
Pear, Callery	<i>Pyrus calleryana</i>	Chanticleer Bradford
Periwinkle	<i>Vinca minor</i>	
Periwinkle, Madagascar	<i>Catharanthus roseus</i>	Titan Lilac
Photinia	<i>Photinia x fraseri</i>	Red Tip
Pieris	<i>Pieris japonica</i>	Shojo
Pine, Canary Island	<i>Pinus canariensis</i>	
Pine, Eastern White	<i>Pinus strobus</i>	
Pine, Loblolly	<i>Pinus taeda</i>	
Pine, Mondell	<i>Pinus eldarica</i>	
Pine, Scotch	<i>Pinus sylvestris</i>	
Pistache, Texas	<i>Pistacia texana</i>	
Plum	<i>Prunus sp.</i>	(non-bearing)
Plum, Japanese (Japanese apricot)	<i>Prunus mume</i>	
Plum, Japanese (Loquat)	<i>Eriobotrya japonica</i>	

Plum, Crimson Pointe	<i>Prunus x cerasifera</i>	Cipriozam
Podocarpus	<i>Podocarpus macrophyllus</i>	
Potentilla, Shrubbery Cinquefoil	<i>Potentilla fruticosa</i>	Goldfinger
Privet, Vicary Golden	<i>Ligustrum x vicaryi</i>	Vicary Golden
Pyracantha/Firethorn	<i>Pyracantha coccinea</i>	Red Cushion
Quince, Common Flowering	<i>Chaenomeles speciosa</i>	
Redbud, Eastern	<i>Cercis canadensis</i>	MN Strain
Redbud	<i>Cercis reniformis</i>	Oklahoma
Rhododendron	<i>Rhododendron x crete</i>	
Rose	<i>Rosa wichurana</i>	Dr. Huey
Rose	<i>Rosa sp.</i>	Pink Knock Out® Knock Out® Louis Philippe
Rose, Virginia	<i>Rosa virginiana</i>	
Rose Mallow	<i>Hibiscus moscheutos</i>	
Rose of Sharon	<i>Hibiscus syriacus</i>	Pink Heart Boule de Feu
Russian Olive	<i>Elaeagnus angustifolia</i>	
Russian Sage	<i>Perovskia atriplicifolia</i>	
Scotchbroom	<i>Cytisus scoparius</i>	Burkwoodii
Serviceberry	<i>Amelanchier canadensis</i>	
Skip Laurel	<i>Prunus laurocerasis</i>	
Smoketree	<i>Cotinus coggygia</i>	Royal Purple
Snowberry, Common	<i>Symphoricarpos albus</i>	
Spicebush	<i>Lindera benzoin</i>	
Spruce, Blackhills	<i>Picea glauca</i>	
Spruce, Norway	<i>Picea abies</i>	
Sweet olive, fragrant tea olive	<i>Osmanthus fragrans</i>	
Switchgrass	<i>Panicum virgatum</i>	Shenandoah
Tamarisk	<i>Tamarix ramosissima</i>	Pink Cascade
Taxus (Yew)	<i>Taxus cuspidata</i>	Capitata
Thin-fruit Sedge	<i>Carex flaccosperma</i>	
Verbena	<i>Verbena canadensis</i>	Homestead Purple
Viburnum, Burkwood	<i>Viburnum x burkwoodii</i>	
Virbunum	<i>Virbunum sp.</i>	Jeddi St. Veverne Arrowwood
Viburnum, Popcorn	<i>Viburnum plicatum</i>	Popcorn
Virginia Sweetspire	<i>Itea virginica</i>	
Walnut	<i>Juglans sp.</i>	
Wax myrtle, Southern	<i>Myrica cerifera</i>	
Weigela, Variegated	<i>Weigela florida 'Variegata'</i>	
Witchalder, Dwarf	<i>Fothergilla gardenii</i>	
Yellow Anise	<i>Illicium parviflorum</i>	
Yew	<i>Taxus sp.</i>	

Do not use SPECTICLE G Herbicide on any of these plants, as injury will occur.

Common Name	Scientific Name
Astilbe	<i>Astilbe chinensis</i>
Barberry	<i>Berberis thumbergii</i>
Blue Fescue Grass	<i>Festuca glauca</i>
California Lilac	<i>Ceanothus x pallidus</i>
Columbine	<i>Aquilegia canadensis</i>
Coneflower	<i>Echinacea purpurea</i>
Croton	<i>Codiaeum variegatum</i>
Dewdrops	<i>Duranta erecta</i>
Dianthus	<i>Dianthus sp.</i>
Elderberry, Blue	<i>Sambucus nigra</i>
Euonymus, Japanese	<i>Euonymus japonicus</i>
Feather Reed Grass	<i>Calamagrostis x acutiflora</i>
Fountain Grass	<i>Pennisetum alopecuroides</i>
Fountain Grass, Purple	<i>Pennisetum setaceum</i>
Golden Dewdrops	<i>Duranta erecta</i>
Hydrangea	<i>Hydrangea macrophylla</i>
Ixora	<i>Ixora coccinea</i>
Japanese Rose	<i>Kerri japonica</i>
Lavender, Munstead	<i>Lavandula angustifolia</i>
Lilyturf	<i>Liriope sp.</i>
Mandevilla	<i>Mandevilla sp.</i>
Mint	<i>Mentha sp.</i>
Mondo Grass	<i>Ophiopogon japonicus</i>
Muhlygrass	<i>Muhlenbergia capillaries</i>
Plumbago	<i>Plumbago spp.</i>
Privet, Japanese	<i>Ligustrum japonicum</i>
Sage	<i>Salvia spp</i>
Spirea	<i>Spirea japonica</i>
Sweet Viburnum	<i>Viburnum odoratissimum</i>
Tickseed, Dwarf mouse-ear	<i>Coreopsis auriculata</i>

SECTION 10: RESTRICTED ENTRY INTERVALS

Do not enter or allow worker re-entry into the treated area until granules are thoroughly watered-in and the treated soil has dried.

SECTION 11: APPLICATION INSTRUCTIONS

SPECTICLE G Herbicide is a ready-to-use granular formulation and may be applied with a broadcast spreader or shaker can that is calibrated to deliver 336 kg/ha (3.36 kg/100 m² – 0.50 g/15 cm wide container). SPECTICLE G Herbicide is applied over-the-top to container-grown ornamentals using a clean, properly calibrated drop, rotary, hand-shaker or

other spreader equipment according to manufacturer's directions. Check periodically to be certain that the equipment is working properly prior to each use. Uniform application is essential for satisfactory weed control.

Care must be taken that the granules are evenly distributed and applied to dry foliage. Any granules adhering to the foliage must be removed prior to irrigation to prevent localized damage. Within one hour of application it is recommended to irrigate or water treated containers with at least 6 mm of water.

SECTION 12: APPLICATOR CLEANUP

Before and after using SPECTICLE G Herbicide, thoroughly clean all application equipment thoroughly.

- Completely empty the applicator container.
- Rinse the applicator inside and outside and all moving parts and mesh. A rotating cleaning nozzle may be beneficial to dislodge any granular product from the sides of the applicator.
- Fill the applicator with water and cleaner then circulate solution to ensure that all of the parts are flushed.
- Remove and clean all filters, screens and mesh if applicable.
- Drain all cleaning solution and then rinse once more with clean water.
- Visually inspect all of the moving parts, screens and/or mesh and applicator walls to ensure no product remains.
- Where appropriate PPE while cleaning equipment.

Any SPECTICLE G Herbicide granules left in the application equipment and subsequently applied to another plant, tree, shrub or crop has the potential to cause injury.

SECTION 13: RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management SPECTICLE G Herbicide is a Group 29 herbicide. Any weed population may contain or develop plants naturally resistant to SPECTICLE G Herbicide and other Group 29 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay herbicide resistance:

1. Where possible, rotate the use of SPECTICLE G Herbicide or other Group 29 herbicides within a growing season (sequence) or among growing seasons with different herbicide groups that control the same weeds in a field.

2. Use tank mixtures with herbicides from a different group when such use is permitted. To delay resistance, the less resistance-prone partner should control the target weed(s) as effectively as the more resistance-prone partner.
3. Herbicide use should be based on an integrated weed management program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical control methods), cultural, biological and other chemical control practices.
4. Monitor weed populations after herbicide application for signs of resistance development (for example, only one weed species on the herbicide label not controlled). If resistance is suspected, prevent weed seed production in the affected area if possible by an alternative herbicide from a different group. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment and planting clean seed.
5. Have suspected resistant weed seeds tested by a qualified laboratory to confirm resistance and identify alternative herbicide options.
6. Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
7. For further information or to report suspected resistance contact Bayer CropScience Inc. via internet at www.bayercropscience.ca or telephone at 1-888-283-6847.

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