

SPECTICLE FLO

Herbicide

SUSPENSION

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

COMMERCIAL

Active Ingredient: Indaziflam 75 g/L

CONTAINS

1,2-BENZISOTHIAZOLIN-3-ONE AT 0.016% AS A PRESERVATIVE, or
CONTAINS 1,2-BENZISOTHIAZOLIN-3-ONE AT 0.016% AND 5-CHLORO-2-METHYL-4-
ISOTHIAZOLIN-3-ONE AT 0.0009% AND 2-METHYL-4-ISOTHIAZOLIN-3-ONE AT
0.0003% AS PRESERVATIVES

REGISTRATION NO. 32803 PEST CONTROL PRODUCTS ACT

READ THE LABEL AND BOOKLET BEFORE USING

NET CONTENTS: 0.5 L to 20 L

2022 Environmental Science CA Inc.
137 Glasgow Street, Suite 210, Unit 111,
Kitchener, Ontario,
N2G 4X8

Product Information: 1-888-283-6847
<https://www.ca.envu.com>

In case of spills, poisoning or fire, telephone emergency response number

1-800-334-7577 (24 hours a day).

2022 Environmental Science CA

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 entry into treated areas within 12 hours of application.

Do not apply by air.

PERSONAL PROTECTIVE EQUIPMENT (PPE): During mixing, loading, application by handheld equipment, clean-up and repair, wear a long-sleeved shirt, long pants, shoes plus socks and chemical-resistant gloves. During application by groundboom sprayer, wear a long-sleeved shirt, long pants and 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, 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. Observe buffer zones specified under DIRECTIONS FOR USE.

STORAGE: SHAKE WELL BEFORE USING. CANNOT be stored below freezing. 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: 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:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. 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 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 reuse 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.

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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.

SECTION 2: THE PRODUCT

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

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 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 entry into treated areas within 12 hours of application.

Do not apply by air.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

During mixing, loading, application by handheld equipment, clean-up and repair, wear a long-sleeved shirt, long pants, shoes plus socks and chemical-resistant gloves. During application by groundboom sprayer, wear a long-sleeved shirt, long pants and 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, 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.

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| 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. |

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

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| SECTION 5: ENVIRONMENTAL HAZARDS |
|---|

TOXIC to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.

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|---------------------------|
| SECTION 6: STORAGE |
|---------------------------|

- SHAKE WELL BEFORE USING.
- CANNOT be stored below freezing.
- 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.

SECTION 7: DISPOSAL/DECONTAMINATION

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:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

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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 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 reuse 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 FLO should be applied as a directed spray only to established (rooted) plants and not to newly rooted cuttings or seedlings. To avoid root damage, apply SPECTICLE FLO around transplants when the soil has firmly settled around the root area. Irrigation or rainfall will help to settle the soil and seal surface cracks. Make applications prior to mulching for best weed control. If SPECTICLE FLO should contact foliage, wash off immediately to avoid damage. Herbaceous annuals and perennials are sensitive to SPECTICLE FLO. Applications of SPECTICLE FLO should only be made to ornamentals listed on this label.

SPECTICLE FLO Herbicide provides pre-emergent, residual control of weeds. Apply SPECTICLE FLO as a directed spray to the soil surface only to established (rooted) plants in the soil and not to newly rooted cuttings/or seedling beds in production nurseries. Do not apply SPECTICLE FLO to newly rooted cuttings/or seedling beds. Apply SPECTICLE FLO around dormant plants. If applied after dormancy, care should be taken not to contact expanding buds or new leaves. SPECTICLE FLO 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 FLO to deciduous foliage or green bark may result in unacceptable injury. Apply SPECTICLE FLO to established ornamentals. If the grower is uncertain about ornamental establishment after transplanting, wait 2 months before applying SPECTICLE FLO.

AMOUNT TO USE: Apply SPECTICLE FLO as a broadcast, directed spray at 1.0 L/ha of SPECTICLE FLO around ornamentals in a minimum of 93 L of water per ha. When applying SPECTICLE FLO with a backpack sprayer, follow all above restrictions.

To activate SPECTICLE FLO for maximum herbicidal benefit, irrigate the area treated with SPECTICLE FLO to move the herbicide into the soil within several days after application. 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 FLO may be applied as either a broadcast or banded application.

Broadcast Applications:

For all crops listed on this label, apply SPECTICLE FLO at the rate described above.

Banded Applications:

When making banded applications, use the same dosage rate as for broadcast applications but use proportionately less spray water and SPECTICLE FLO. The use rate provided under **AMOUNT TO USE** is for the treated area of the field regardless of the portion of the field that it represents. Banded applications may be made using the following formula to calculate the amount of herbicide and water volume needed for ornamental production strip sprays:

$$\frac{\text{Treated Band width in Metres}}{\text{Row width in Metres}} \times \text{HERBICIDE RATE per Treated Hectare} = \text{Amount of HERBICIDE required for banded application}$$

$$\frac{\text{Treated Band width in metres}}{\text{Row width in Metres}} \times \text{WATER VOLUME per Treated Hectare} = \text{Amount of WATER VOLUME required for banded application}$$

GROUND APPLICATION:

- Apply SPECTICLE FLO Herbicide by ground equipment only.
- DO NOT APPLY BY AIR.
- DO NOT apply SPECTICLE FLO Herbicide through any type of irrigation system.
- Apply SPECTICLE FLO Herbicide as a broadcast spray in a minimum of 93 litres of water per hectare.
- For best results use flat fan nozzles or comparable nozzles to achieve uniform spray distribution. DO NOT apply with hollow cone nozzles or with other application equipment which does not provide uniform coverage.
- Keep the spray boom at the lowest possible spray height above the target surface.
- Maintain adequate agitation at all times, including momentary stops.
- To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay.
- Avoid application when heavy rain is forecast.
- Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.
- DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.
- Field sprayer application: DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. DO NOT apply with spray droplets smaller than the American Society

of Agricultural Engineers (ASAE) medium classification. Boom height must be 60 cm or less above the crop or ground.

- As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

BUFFER ZONES:

Use of the following spray methods or equipment **DO NOT** require a buffer zone: hand-held or backpack sprayer, inter-row hooded sprayer, and spot treatment.

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, rangelands, riparian areas and shrublands), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands).

| Method of Application | Crop | Buffer Zones (metres) Required for the Protection of: | | |
|-----------------------|-----------|---|------------------|---------------------|
| | | Freshwater Habitat of Depths: | | Terrestrial Habitat |
| | | Less than 1 m | Greater than 1 m | |
| Field Sprayer | All crops | 1 | 1 | 15 |

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

COMBINATIONS OF SPECTICLE FLO WITH NON SELECTIVE HERBICIDES AROUND ORNAMENTALS

Remove existing weed growth before application of SPECTICLE FLO 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 turfgrasses, 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.

In some cases, tank mixing a pest control product with another pest control product or a fertilizer can result in biological effects that could include, but are not limited to: reduced pest efficacy or increased host crop injury. The user should contact 2022 Environmental Science CA . at 1-888-283-6847 for information before mixing any pesticide or fertilizer that is not specifically recommended on this label. The user assumes the risk of losses that result from the use of tank mixes that do not appear on this label or that are not specifically recommended by 2022 Environmental Science CA.

Do not apply SPECTICLE FLO to plant types not listed as tolerant on this label. SPECTICLE FLO may be applied to cultivars of listed 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.

When applied as a tank-mix combination, read and observe all label directions, including rates, personal protective equipment, restrictions and precautions for each product used in the tank-mix. Always follow the more stringent label precautionary measures for mixing, loading and applying stated on each product label.

IMPORTANT: Direct application of SPECTICLE FLO to the soil surface and away from plant foliage and bark. Avoid direct spray contact on plant surfaces, foliage, and green bark or injury may result.

Application of SPECTICLE FLO after bud swell may cause injury if herbicide contacts foliage. Avoid application under environmental conditions that favor drift to non-targeted areas. Deep cultivation reduces the effectiveness of SPECTICLE FLO and should be avoided.

USE RESTRICTIONS FOR SPECTICLE FLO ON PRODUCTION ORNAMENTALS

- Do not exceed the single application rate of 1.0L/ha.
- Do not exceed a total of 1.0 L of SPECTICLE FLO per hectare in a 12 month period.
- Do not allow spray to contact foliage. SPECTICLE FLO may cause localized injury to the foliage, especially young leaf tissue. If the spray should contact the foliage, remove affected foliage or wash off immediately.
- Do not use SPECTICLE FLO around bearing fruit and nut trees.
- Do not use SPECTICLE FLO 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 FLO 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 FLO 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 FLO on ornamentals being grown in a greenhouse.
- Do not use SPECTICLE FLO on nursery seedbeds, rooted cuttings or young plants in liners.
- Do not apply SPECTICLE FLO to ornamentals growing in containers except pot-in-pot ornamentals.
- Do not apply SPECTICLE FLO to ornamental bulbs in production fields.
- Do not apply SPECTICLE FLO to ornamental bulbs in commercial fields after they have emerged.
- Do not apply SPECTICLE FLO to herbaceous perennials (e.g. daylily) after they have emerged.
- Do not apply SPECTICLE FLO over-the-top of ornamentals.
- Do not apply SPECTICLE FLO to budded grafts or graft unions as this could cause plant injury or death.
- Do not apply SPECTICLE FLO by air.

USE OF SPECTICLE FLO ON ORNAMENTALS IN COARSE AND SANDY SOILS

Soil conditions can affect the tolerance of ornamentals to SPECTICLE FLO. Excessively coarse or sandy soils may allow for downward movement of SPECTICLE FLO 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 FLO 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 FLO is to be applied in these soils, evaluate tolerance of a few plants of each ornamental in SPECTICLE FLO treated soil for 2-3 months prior to a large scale application.

SYMPTOMS OF SPECTICLE FLO INJURY ON ORNAMENTALS

SPECTICLE FLO may injure sensitive ornamentals by damaging roots or leaves. Plant foliage damaged by root absorption will appear stunted, deformed, and may not recover. If SPECTICLE FLO is allowed to contact leaves, leaf symptoms including leaf spot, 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 FLO. 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 FLO Herbicide at 1 L/ha and according to label directions will provide effective control of the following species:

| Broadleaf Weed Common Name | Species |
|-----------------------------------|---------------------------------|
| Bittercress, (including Hairy) | <i>Cardamine sp.</i> |
| Black medic | <i>Medicago lupulina</i> |
| Carpetweed | <i>Mollugo verticillata L</i> |
| 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 FLO

** SPECTICLE FLO only controls globe sedge emerging from seed.

Do not exceed a total of 1 L per ha per year.

ORNAMENTALS AND THEIR CULTIVARS TOLERANT TO SPECTICLE FLO

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> | |
| 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> | |
| 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 Tupelo | <i>Nyssa sylvatica</i> | Wild Fire |
| Bluebird | <i>Caryopteris x clandonensis</i> | Dark Knight |
| Boxwood | <i>Buxus microphylla</i> | 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 sp.</i> | |
| Cedar, Eastern Red | <i>Juniperus virginiana</i> | |
| Cedar, Japanese | <i>Cryptomeria japonica</i> | Black Dragon Burkii |

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| | | Yoshino |
| Cherry | <i>Prunus sp.</i> | (non-bearing) |
| Cherry, Laurel | <i>Prunus caroliniana</i> | |
| 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 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> | Muskogee |
| Crape Myrtle | <i>Lagerstroemia x 'Miami'</i> | |
| Crape Myrtle | <i>Lagerstroemia indica</i> | Tuscarora |
| Cypress, False | <i>Chamaecyparis sp.</i> | Gold Mops |
| 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 |
| Elm | <i>Celtis sp.</i> | Common Hackberry |
| 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</i> | Lynwood Golden Bells |
| Fragrant Tea Olive | <i>Osmanthus fragrans</i> | |
| 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> | |
| Green Ash | <i>Fraxinus pennsylvanica</i> | Georgia Gem |
| Hardy Kiwi | <i>Actinidia arguta</i> | Anna |
| Hawthorn, Single Seed | <i>Crataegus monogyna</i> | |

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| Hawthorn, Thornless | <i>Crataegus crus-galli</i> | Inermis |
| Hibiscus, Chinese | <i>Hibiscus rosa-sinensis</i> | San Diego Red |
| Hickory | <i>Carya sp.</i> | Hickory nut |
| Holly, Common | <i>Ilex aquifolium</i> | |
| Holly, Chinese | <i>Ilex cornuta</i> | Needlepoint |
| Holly, Foster | <i>Ilex x attenuata</i> | Fosteri |
| Holly, Gallberry | <i>Ilex glabra</i> | Densa |
| 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 |
| Horsechestnut | <i>Aesculus sp.</i> | |
| Indian Hawthorn | <i>Raphiolepis indica</i> | Pink Lady |
| Japanese Cleyera | <i>Ternstroemia gymnanthera</i> | |
| Japanese Mock-orange | <i>Pittosporum tobira</i> | Variegata |
| Japanese Plum | <i>Prunus mume</i> | |
| Japanese Plum (Loquat) | <i>Eriobotrya japonica</i> | |
| Jasmine, Asiatic/Yellow Star | <i>Trachelospermum asiaticum</i> | |
| 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, Japanese Garden | <i>Juniperus procumbens</i> | |
| Juniper, Spartan | <i>Juniperus chinensis</i> | Spartan |
| Lantana | <i>Lantana camara</i> | Landmark Sunrise Rose |
| Lilac | <i>Syringa x 'Penda'</i> | Bloomerang |
| London Plane Tree | <i>Plantanus acerifolia</i> | |
| Loropetalum | <i>Loropetalum chinensis</i> | Burgundy Ruby |
| Magnolia | <i>Magnolia grandiflora</i> | Bracken's Brown Beauty Little Gem |
| Magnolia, Jane | <i>Magnolia liliflora 'Nigra' x M. stellata</i> | Rosea |
| Maple, Autumn Blaze | <i>Acer freemanii</i> | Jeffersred |
| Maple, Red | <i>Acer rubrum</i> | Red Sunset October Glory |
| Maple, Silver | <i>Acer saccharinum</i> | |
| Maple, Sugar | <i>Acer saccharum</i> | Commemoration |
| Metasequoia | <i>Metasequoia sp.</i> | |
| Nandina | <i>Nandina domestica</i> | Firepower |
| Nectarine | <i>Prunus sp.</i> | (non-bearing) |
| Ninebark, Eastern | <i>Physocarpus opulifolius</i> | Summer Wine |
| Oak | <i>Quercus sp.</i> | |
| Oak, Pin | <i>Quercus palustris</i> | |

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| Oak, Southern Live | <i>Quercus virginiana</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> | |
| Oak, White | <i>Quercus alba</i> | |
| Ohio Buckeye | <i>Aesculus glabra</i> | |
| 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> | |
| Pear | <i>Pyrus sp.</i> | (non-bearing) |
| Pear, Callery | <i>Pyrus calleryana</i> | Chanticleer Bradford |
| Peach | <i>Prunus sp.</i> | (non-bearing) |
| Pieris | <i>Pieris japonica</i> | Shojo |
| Pine, Canary Island | <i>Pinus canariensis</i> | |
| Pine, Eastern White | <i>Pinus strobus</i> | |
| Pine, Scotch | <i>Pinus sylvestris</i> | |
| Pistache, Texas | <i>Pistacia texana</i> | |
| Plum | <i>Prunus sp.</i> | (non-bearing) |
| Plum, Crimson Pointe | <i>Prunus x cerasifera</i> | Cipriozam |
| Podocarpus | <i>Podocarpus macrophyllus</i> | |
| Privet, California | <i>Ligustrum ovalifolium</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® |
| Rose, Virginia | <i>Rosa virginiana</i> | |
| Rose Mallow | <i>Hibiscus moscheutos</i> | |
| Rose of Sharon | <i>Hibiscus syriacus</i> | Shrubbery althaea Pink Heart Boule de Feu |
| Russian Sage | <i>Perovskia atriplicifolia</i> | |
| Skip Laurel | <i>Prunus laurocerasis</i> | |
| Snowberry, Common | <i>Symphoricarpos albus</i> | |
| Spicebush | <i>Lindera benzoin</i> | |
| Spirea | <i>Spirea sp.</i> | |
| Spruce, Blackhills | <i>Picea glauca</i> | |
| Spruce, Norway | <i>Picea abies</i> | |
| Tamarisk | <i>Tamarix ramosissima</i> | Pink Cascade |
| Yew, Japanese | <i>Taxus cuspidata</i> | Capitada |
| Thin-fruit Sedge | <i>Carex flaccosperma</i> | |
| Viburnum, Burkwood | <i>Viburnum x burkwoodii</i> | |
| Virbunum (Wayfaring Tree) | <i>Virbunum lantana</i> | Mohican |
| Viburnum, Popcorn | <i>Viburnum plicatum</i> | Popcorn |
| Walnut | <i>Juglans sp.</i> | |

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| Wax myrtle, Southern | <i>Myrica cerifera</i> | |
| Weigela, Variegated | <i>Weigela florida</i> 'Variegata' | |
| Willow, Weeping | <i>Salix babylonica</i> | |

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

| Common Name | Scientific Name |
|--------------------|------------------------------|
| Euonymus, Japanese | <i>Euonymus japonicus</i> |
| Hydrangea | <i>Hydrangea macrophylla</i> |

SECTION 10: RESTRICTED ENTRY INTERVALS

- Do not enter or allow worker entry into treated areas within 12 hours of application.

SECTION 11: MIXING INSTRUCTIONS

SPECTICLE FLO Herbicide must be applied with clean and properly calibrated equipment. Prior to adding SPECTICLE FLO Herbicide, ensure that the spray tank, filters and nozzles have been thoroughly cleaned and that agitation system is properly working.

1. Fill spray tank with ¼ to ½ of the required volume of water prior to the addition of SPECTICLE FLO Herbicide.
2. Add the proper amount of SPECTICLE FLO Herbicide slowly to the tank and agitate.
3. If SPECTICLE FLO Herbicide is applied in tank-mixtures with other pesticides, add SPECTICLE FLO Herbicide to the spray tank first and ensure that it is thoroughly dispersed before continuing to fill the spray tank and adding other pesticides.
4. Continue to fill the tank with water to the desired volume while agitating.

Proper agitation should be maintained while applying to ensure a uniform spray mixture.

SPECTICLE FLO Herbicide will settle if left standing without agitation. Reagitate the spray solution for a minimum of 10 minutes before application.

SECTION 12: SPRAYER CLEANUP

Before and after using SPECTICLE FLO Herbicide, thoroughly clean all mixing and spray equipment, including tanks, pumps, nozzles, lines, filters, screens and nozzles with a good quality tank cleaner.

- Completely drain the spray and mixing tanks.
- Rinse the spray tank inside and outside and all lines and screens. A rotating cleaning nozzle may be beneficial to dislodge any product from the sides of the tank.
- Fill the tank with water and cleaner then circulate solution to ensure that the pumps, valves, and all lines are flushed.
- Remove and clean all filters, screens and nozzles.
- Drain all cleaning solution and then rinse once more with clean water.
- Visually inspect the filters, screens, and tank walls to ensure no product remains.

Any SPECTICLE FLO Herbicide left in the spray equipment and subsequently applied to another crop has the potential to injure the crop.

SECTION 13: RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, SPECTICLE FLO Herbicide is a Group 29 herbicide. Any weed population may contain or develop plants naturally resistant to SPECTICLE FLO 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 FLO 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 2022 Environmental Science CA via internet at <https://www.ca.envu.com> or telephone at 1-888-283-6847.

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