

# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

August 11, 2023

Diego Castaneda Regulatory Leader Corteva AgriScience LLC 9330 Zionsville Road Indianapolis, IN 46268

Subject: Registration Review Label Mitigation for Trifluralin & Isoxaben

Product Name: Snapshot 2.5 TG

EPA Registration Number: 62719-175

Application Dates: August 24, 2022 & June 22, 2023

Decision Numbers: 587176 & 592855

### Dear Diego Castaneda:

The Agency, in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Trifluralin and Isoxaben Interim Decisions, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Page 2 of 2 EPA Reg. No. 62719-175 Decision No. 587176 & 592855

If you have any questions about this letter, please contact Caleb Carr via email at carr.caleb@epa.gov.

Sincerely,

Linda Arrington, Branch Chief

Risk Management and Implementation Branch 4

Pesticide Re-Evaluation Division

Office of Pesticide Programs

Enclosure

(Base label):

TRIFLURALIN	GROUP	3	HERBICIDE
ISOXABEN	GROUP	29	HERBICIDE

# Snapshot® 2.5 TG

# **SPECIALTY HERBICIDE**

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

- Landscape Ornamentals
- Christmas Tree Plantations
- Container Grown Ornamentals
- Field Grown Ornamentals
- Groundcovers/Perennials
- Non-Bearing Fruit and Nut Trees
- Non-Bearing Vineyards
- Non-Cropland

Not for sale, distribution or use in New York State.

Active Ingredients:

trifluralin:  $\alpha$ ,  $\alpha$ ,  $\alpha$ -trifluoro-2,6-dinitro-N, *N*-dipropyl-*p*-toluidine .................................. 2.0% isoxaben: N-[3-(1-ethyl-1-methylpropyl)-5isoxazolyl]-2,6-dimethoxybenzamide 

Contains 1.25 lb active ingredient per 50 lb bag.

# ACCEPTED

Aug 11, 2023

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 62719-175

# **Keep Out of Reach of Children**

#### **PRECAUCION** CAUTION

Si usted no entiende la etiqueta, busque a alquien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

# **Precautionary Statements**

Hazards to Humans and Domestic Animals

# CAUTION

Causes Moderate Eye Irritation • Harmful If Swallowed Or Inhaled • Prolonged Or Frequently Repeated Skin Contact May Cause Allergic Reaction In Some Individuals

Avoid breathing dust or spray mist and contact with eyes or clothing. Wash thoroughly with soap and water after handling.

# Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- · Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

# **Engineering Controls**

When handlers use closed systems or enclosed cabs in a manner that meets the 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:

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

#### First Aid

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a Poison Control Center or doctor for treatment advice.

**If swallowed:** Call a Poison Control Center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. 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.

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a Poison Control Center or doctor for further treatment advice.

Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment. You may also contact 1-800-992-5994 for emergency medical treatment information.

#### **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 which will directly expose canals, lakes, streams, ponds, marshes or estuaries to aerial drift. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

Do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems.

**Non-Target Organism Advisory:** This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

**Groundwater Advisory**: This pesticide has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

**Surface Water Advisory**: This pesticide may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soil and soils with shallow groundwater. This product is classified as having a high potential for reaching surface water via runoff for several months or more after

application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of isoxaben from runoff water and sediment.

# **Agricultural Use Requirements**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

## (Storage and Disposal for rigid containers 5 gal or less)

# **Storage and Disposal**

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

**Pesticide Storage:** Store in original container only. In case of spill, contain material and dispose as waste.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Handling:** Nonrefillable container. Do not reuse or refill this container.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse** as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

#### (Storage and Disposal for nonrigid containers any size)

# **Storage and Disposal**

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

**Pesticide Storage:** Store in original container only. In case of spill, contain material and dispose as waste.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Handling:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available, or dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

#### (Storage and Disposal for refillable rigid containers larger than 5 gal)

#### Storage and Disposal

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

**Pesticide Storage:** Store in original container only. In case of spill, contain material and dispose as waste.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Handling:** Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water and, if possible, spray all sides while adding water. If practical,

agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

(Storage and Disposal for nonrefillable rigid containers larger than 5 gal)

# Storage and Disposal

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#### Refer to label booklet for Directions for Use.

Notice: Read the entire label. Use only according to label directions. Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies at end of label booklet. If terms are unacceptable, return at once unopened.

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994. If you wish to obtain additional product information, visit our web site at www.dowagro.com.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

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Produced for
Corteva Agriscience LLC

Corteva Agriscience LLC 9330 Zionsville Road Indianapolis, IN 46268

EPA Reg. No. 62719-175

<b>NET</b>	WEIGHT	

EPA Est.

(Label booklet cover):

TRIFLURALIN	GROUP	3	HERBICIDE
ISOXABEN	GROUP	29	HERBICIDE

# Snapshot® 2.5 TG

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Not for sale, distribution or use in New York State.

Active Ingredients:

Contains 1.25 lb active ingredient per 50 lb bag.

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#### Agricultural Use Requirements

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Refer to inside of label booklet for additional precautionary information including First Aid Directions for Use.

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(Page 1 through end):

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# **Personal Protective Equipment (PPE)**

Applicators and other handlers must wear:

- · Long-sleeved shirt and long pants
- · Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

# **Engineering Controls**

When handlers use closed systems or enclosed cabs in a manner that meets the 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.

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Do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems.

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**Groundwater Advisory**: This pesticide has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

**Surface Water Advisory**: This pesticide may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soil and soils with shallow groundwater. This product is classified as having a high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of isoxaben from runoff water and sediment.

### **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.

This product must be soil-incorporated within 24 hours of application either by mechanical incorporation or at least 0.5 acre inch of water (rainfall, irrigation). If a second incorporation is needed it should be delayed 3 to 5 days after the first incorporation and be completed prior to planting

#### **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 of this label about personal protective equipment (PPE), and restricted entry interval. The requirements in the 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
- · Waterproof gloves
- · 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 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.

For applications in landscape settings and in non-cropland sites, do not enter or allow others to enter the treated area until dusts have settled.

# **Storage and Disposal**

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

**Pesticide Storage:** Store in original container only. In case of spill, contain material and dispose as waste

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

#### Nonrefillable rigid containers 5 gallons or less:

**Container Handling:** Nonrefillable container. Do not reuse or refill this container.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse** as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

#### Nonrefillable nonrigid containers:

**Container Handling:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available, or dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

#### Refillable rigid containers larger than 5 gal:

**Container Handling:** Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water and, if possible, spray all sides while adding water. If practical, agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

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upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

#### **Product Information**

Snapshot® 2.5 TG specialty herbicide is a preemergence product for control of certain broadleaf weeds and annual grasses in container and landscape ornamentals, nursery stock, Christmas trees, groundcovers/perennials, non-bearing fruit and nut trees, non-bearing vineyards and non-cropland areas. Apply Snapshot 2.5 TG any time prior to germination of target weeds, or immediately after cultivation. Length of weed control will vary with rate of Snapshot 2.5 TG applied, 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.

#### **Use Precautions**

Snapshot 2.5 TG controls weeds growing from seed. Snapshot 2.5 TG does not control established weeds, weeds growing from stolons, rhizomes, or root pieces. Existing weeds should be controlled by cultivation or with postemergence herbicides. Weed residues, prunings and trash should be removed or thoroughly mixed into soil prior to treatment. Soil should be in good condition and free of clods at the time of application. A single rainfall or sprinkler irrigation of 0.5 inches or more, or flood irrigation is required to activate Snapshot 2.5 TG. Optimum weed control is obtained when Snapshot 2.5 TG is activated within 3 days of application. If rainfall or irrigation does not occur within 3 days of application and tillage is possible, Snapshot 2.5 TG may be activated using cultivation equipment capable of uniformly mixing the herbicide into the upper 1 to 2 inches of soil. Failure to activate Snapshot 2.5 TG within 3 days of application may result in erratic control of annual grasses. Do not apply when wind conditions favor drift of Snapshot 2.5 TG granules from the target area.

Repeat applications at 150 lb per acre and higher should not be made sooner than 60 days after a previous application of Snapshot 2.5 TG. Do not apply over 600 pounds per acre total of Snapshot 2.5 TG within a 12-month period.

**Tolerance of Turfgrass Adjacent to Ornamental Plantings:** Accidental application to turf may occur when applying Snapshot 2.5 TG to ornamental plantings. Snapshot 2.5TG is not recommended for weed control in turfgrasses, but turfgrasses are generally tolerant to small amounts of this product that fall outside of the intended area of application.

#### **Use Restrictions**

**In Arizona:** The state of Arizona has not approved Snapshot 2.5 TG for use on plants grown for agricultural/commercial production; such as on Christmas tree plantations, container grown or field grown ornamentals, non-bearing fruit and nut trees and non-bearing vineyards.

Not for sale, distribution or use in New York State.

Do not aerially apply Snapshot 2.5TG.

Do not apply Snapshot 2.5TG to turfgrass grown for seed.

# Treatment Species Not Listed on the Label for Snapshot 2.5 TG

Users who wish to use Snapshot 2.5 TG on plant species not recommended on this label may determine the suitability for use by treating a small number of such plants at a recommended rate. Prior to treatment of larger areas, the treated plants should be observed for any sign of herbicidal injury for during

30 to 60 days of normal growing conditions to determine if the treatment is safe to the target plant species. The user assumes responsibility for any plant damage or other liability resulting from use of Snapshot 2.5 TG on plant species not recommended on this label.

# **Application Instructions**

Apply Snapshot 2.5 TG 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 crop 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 Snapshot 2.5 TG

- When using a drop-type spreader, a splashboard 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 a 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, difficult to treat areas. Carefully measure the amount of product needed to avoid over application.
- The weight-to-volume conversion table below provides equivalent amounts of Snapshot 2.5 TG.

#### **Broadcast Rates**

Rate	Amount/1000 sq ft		Amount/	100 sq ft
lb/Acre	(lb)	(quarts)	(lb)	(cups)
100	2.30	1.75	0.23	0.7
150	3.45	2.60	0.35	1.0
200	4.60	3.50	0.46	1.4

1 lb of Snapshot 2.5 TG = 0.75 quart = 3 cups

#### Spreader Settings as a Guide for Calibration

**Note:** These settings are provided as a suggested starting point in calibrating each individual spreader. Since no two spreaders are alike, these settings are not intended to be used as absolute recommendations by Corteva Agriscience or the spreader manufacturer.

	Settings for Warren T-7 II Spreader		
	Target Rate of Snapshot 2.5 TG		
Speed (mph)	100 lb/acre	150 lb/acre	200 lb/acre
2.0	2 1/2	3 1/4	3 3/4
2.5	3	3 1/2	4 1/4
3.0	3 1/4	4	5

Warren spreader settings are displayed in half-number increments only. The suggested settings that indicate quarter settings can be accomplished by placing the calibration arm between the half number marks on the spreader.

# **Weeds Controlled or Suppressed**

Weeds controlled when applied at 100 lb per acre (2.3 lb per 1000 sq ft):

Common Name Scientific Name

aster, slender Aster exilis

barnyardgrass Echinochloa crus-galli

bluegrass, annual Poa annua

bursage, annual

celery, wild

chickweed, common

clover, white

Ambrosia acanthicarpa

Apium leptophyllum

Stellaria media

Trifolium repens

crabgrass Digitaria spp.
cudweed, purple Gnaphalium purpureum
cupgrass, southwestern
fiddleneck, coast Amsinckia intermedia
filaree, redstem Friodium cicutarium

fleabane, blackleaved Conyza bonariensis fleabane, dwarf Conyza ramosissima

foxtail, yellow Setaria glauca
groundcherry, lanceleaf Physalis lanceifolia
henbit Lamium amplexicaule
horseweed Conyza canadensis
junglerice Echinochloa colonum

knotweed, prostrate
lambsquarters, common
mallow, little
mustard, Indian
mustard, wild

knotweed, prostrate
Chenopodium album
Malva parviflora
Brassica juncea
Sinanis arvensis

mustard, Indian

mustard, wild

mustard, wild

Sinapis arvensis

nightshade, black

oat, wild

Solanum nigrum

Avena fatua

panicum, fall Panicum dichotomiflorum pepperweed, Virginia Lepidium virginicum Amaranthus spp.

pineappleweed Matricaria matricarioides
plantain, slender Plantago elongata
purslane, common Portulaca oleracea
radish, wild Raphanus raphanistrum

ragweed, common
rocket, London
rockpurslane, desert
shepherdspurse

Ambrosia artemisiifolia
Sisymbrium irio
Calandrinia ciliata
Capsella bursa-pastoris

sibara Sibara virginica

smartweed, Pennsylvania
sowthistle, annual
speedwell, purslane
sprangletop, Mexican
telegraphplant

Polygonum pensylvanicum
Sonchus oleraceus
Veronica peregrina
Leptochloa univervia
Heterotheca grandiflora

thistle, Russian Salsola iberica witchgrass Panicum capillare

#### Weeds controlled when applied at 150 lb per acre (3.5 lb per 1000 sq ft):

Common Name Scientific Name aster, heath Aster ericoides

aster, heath
bittercress
bittercress, hairy
brassbuttons, southern
carrot, wild

Aster ericoides
Cardamine oligosperma
Cardamine hirsuta
Cotula australis
Daucus carota

carrot, wild Daucus carota chamberbitter Phyllanthus urinaria

chickweed, mouseear Cerastium vulgatum dandelion Taraxacum officinale eclipta Eclipta prostrata fireweed Erechtites hieracifolia foxtail, giant Setaria faberi galinsoga, hairy Galinsoga ciliata geranium, Carolina Geranium carolinianum groundsel, common Senecio vulgaris ladysthumb Polygonum persicaria lettuce, prickly Lactuca serriola lovegrass Eragrostis spp. mallow, dwarf Malva rotundifolia marestail Hippuris vulgaris mavweed Anthemis cotula morningglory, ivyleaf Ipomoea hederacea mustard, black Brassica nigra pennywort Hydrocotyle spp. phyllanthus, long-stalk Phyllanthus tenellus plantain, bracted Plantago aristata

plantain, bracted Plantago anstata
plantain, broadleaf Plantago major
plantain, buckhorn Plantago lanceolata
pokeweed, common Phytolacca americana
rockpurslane, redmaids Calandrinia ciliata var.

menziesii

ryegrass, annual Lolium multiflorum sida, prickly Sida spinosa sorrell, red Rumex acetosella speedwell, thymeleaf Veronica serpyllifolia spurge, hyssop Euphorbia hyssopifolia spurge, spotted Euphorbia maculata sweetclover, yellow Melilotus officinalis tansymustard, green Descurainia pinnata Abutilon theophrasti velvetleaf

woodsorrel, yellow Oxalis stricta

#### Weeds controlled when applied at 200 lb per acre (4.6 lb per 1000 sq ft):

Common NameScientific Namebarley, hareHordeum leporinumbromegrassBromus spp.

burclover, California Medicago polymorpha cheat Bromus secalinus datura Datura spp.

dogfennel Eupatorium capillifolium

eveningprimrose Oenothera spp.
fescue, rattail Vulpia myuros
filaree, whitestem Erodium moschatum
goosefoot, nettleleaf Chenopodium murale
goosegrass Eleusine indica
jimsonweed Datura stramonium
knotweed, silversheath Polygonum argyrocoleon

kochia Kochia scoparia
medic, black Medicago lupulina
mullein, turkey Eremocarpus setigerus

nettle, burning Urtica urens nettle, stinging Urtica dioica

Picris echioides oxtongue, bristly pimpernel, scarlet Anagallis arvensis sandbur, field Cenchrus incertus signalgrass Brachiaria spp. sowthistle, spiny Sonchus asper spurge, petty Euphorbia peplus spurge, prostrate Euphorbia humistrata stinkarass Eragrostis cilianensis sunflower Helianthus spp. Coronopus didymus swinecress thistle, musk Carduus nutans willoweed, panicle Epilobium paniculatum Oxalis corniculata woodsorrel, creeping

Weeds partially controlled or suppressed when applied at 200 lb per acre (4.6 lb per 1000 sq ft):

**Common Name Scientific Name** bindweed, field Convolvulus arvensis carpetweed Mollugo verticillata dock, curly Rumex crispus johnsongrass (seedling) Sorghum halepense mallow, Venice Hibiscus trionum milkweed, honeyvine Ampelamus albidus morningglory, tall Ipomoea purpurea panicum, Texas Panicum texanum pusley, Florida Richardia scabra shattercane Sorghum bicolor

# **Weed Resistance Management**

Snapshot 2.5 TG, which contains the active ingredients trifluralin and isoxaben, is a Group 3 and 29 herbicide, respectively, based on the mode of action classification system of the Weed Science Society of America.

### **Best Management Practices**

Proactively implementing diversified weed control strategies to minimize selection for weed populations resistant to one or more herbicides is a best practice. A diversified weed management program may include the use of multiple herbicides with different modes of action and overlapping weed spectrum with or without tillage operations and/or other cultural practices. Research has demonstrated that using the labeled rate and directions for use is important to delay the selection for resistance.

Scouting after herbicide application is important because it can facilitate the early identification of weed shifts and/or weed resistance and thus provide direction on future weed management practices. One of the best ways to contain resistant weed populations is to implement measures to avoid allowing weeds to reproduce by seed or to proliferate vegetatively. Cleaning equipment between sites and avoiding movement of plant material between sites will greatly aid in reducing the spread of resistant weed seed. The continued effectiveness of this product depends on the successful implementation of a weed resistance management program.

To aid in the prevention of developing weeds resistant to this product, users should:

- Scout fields before application to ensure herbicides and rates will be appropriate for the weed species and weed sizes present.
- Start with a clean field, using either a burndown herbicide application or tillage.

- If using post-emergence herbicides or tank mixes, control weeds early when they are relatively small.
- Apply full rates of Snapshot 2.5 TG for the most difficult to control weed in the field at the specified time to minimize weed escapes.
- Scout fields after application to detect weed escapes or shifts in control of weed species.
- Control weed escapes before they reproduce by seed or proliferate vegetatively.
- Report any incidence of non-performance of this product against a particular weed to your local company representative, local retailer, or county extension agent.
- Contact your local company representative, crop advisor, or extension agent to find out if
  suspected resistant weeds to these MOAs have been found in your region. Do not assume that
  each listed weed is being controlled by multiple mode of action. Products with multiple active
  ingredients are intended to broaden the spectrum of weeds that are controlled. Some weeds may
  be controlled by only one of the active ingredient in this product.
- If resistance is suspected, treat weed escapes with an herbicide having a mode of action other than Group 3 and 29 and/or use nonchemical methods to remove escapes, as practical, with the goal of preventing further seed production.
- Suspected herbicide-resistant weeds may be identified by these indicators:
  - Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
  - A spreading patch of non-controlled plants of a particular weed species; and
  - Surviving plants mixed with controlled individuals of the same species.

Additionally, users should follow as many of the following herbicide resistance management practices as is practical:

- Use a broad spectrum herbicide with other mode of action as a foundation in a weed control program, if appropriate.
- Utilize sequential applications of herbicides with alternative modes of action.
- Rotate the use of this product with non-Group 3 and 29 herbicides.
- Avoid making more than two sequential applications of Snapshot 2.5 TG and any other Group 3
  and 29 herbicides within a single growing season unless mixed with an herbicide with a different
  mode of action with an overlapping spectrum for the difficult-to-control weeds.
- Incorporate non-chemical weed control practices, such as mechanical cultivation, crop rotation, cover crops and weed-free crop seeds, as part of an integrated weed control program.
- Use good agronomic principles that enhance crop development and crop competitiveness.
- Thoroughly clean plant residues from equipment before leaving fields suspected to contain resistant weeds and avoid moving plant material between sites.
- Manage weeds in and around fields to reduce weed seed production.

#### Uses

# **Ornamental Plantings**

Snapshot 2.5 TG is recommended as a preemergence treatment for control of certain broadleaf weeds and annual grasses in container grown ornamentals, landscape ornamentals, field grown ornamentals, ground covers/perennials, Christmas trees, non-bearing fruit and nut crops, and non-bearing vineyards. Apply Snapshot 2.5 TG any time prior to germination of target weeds, or immediately after cultivation.

Refer to the General Information section of this label for General Use Precautions and information on application, application rates and weeds controlled.

#### **Use Restrictions:**

To avoid possible injury, do not apply Snapshot 2.5 TG to:

- nursery, forest, or Christmas tree: seedling beds, cutting beds, or transplant beds.
- nursery seedbeds or forest or Christmas tree seedling transplant beds.

- unrooted liners or cuttings that have been planted in pots for the first time.
- · pots less than four inches wide.
- bedding plants or areas where bedding plants will be planted or transplanted within one year following application.
- · groundcovers until they are established and well rooted.

Do not apply Snapshot 2.5 TG to newly transplanted ornamentals, nursery stock, Christmas trees, groundcovers, non-bearing fruit and nut trees 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.

Repeat applications at 150 lb per acre and higher should not be made sooner than 60 days after a previous application of Snapshot 2.5 TG. Do not apply over 600 lb per acre total of Snapshot 2.5 TG within a 12-month period.

Where loss of stand has occurred in field grown ornamentals, use untreated soil as fill around roots when replacing plants or injury may occur.

**Note:** Injury on the following plant species has been observed following applications of Snapshot 2.5 TG and use is not recommended.

Common Name Scientific Name

ballerina cranesbill Geranium cinereum 'Ballerina'

bertram anderson lingwort Pulmonaria longifolia

bugle Ajuga spp.

cajeput tree Melaleuca quinquenervia

candytuft *Iberis* spp.

Carolina rhododendron Rhododendron carolinianum dwarf burning bush Euonymus alatus 'compacta'

foxglove Digitalis purpurea green yucca Yucca recurvifolia hydrangea Hydrangea spp. luxuriant bleeding heart Dicentra luxuriant mountain sandwort Arenaria montana mustard Brassica spp. oak leaf acanthus Acanthus mollis

prince of wales juniper Juniperus horizontalis 'Prince of Wales'

purple coneflower Echinacea purpurea

roseum elegans rhododendron Rhododendron catawbiense 'Roseum

elegans'

spurge Euphorbia spp.
stonecrop Sedum spp.
summer phlox Phlox paniculata
white festival baby's breath
wine periwinkle Gypsophila paniculata
Vinca minor 'Atropurpurea'

Snapshot 2.5 TG may be used on the following <u>established</u> plant species (Note: Limitations on recommended treatment methods):

Trees Recommended Treatment Method:

C = Container Grown
F = Field Grown

Scientific Name Common Name

Abies balsameafir, balsamC, FAbies concolorfir, whiteFAbutilon hybridumalbus-flowering mapleC, F

Acer gimmala Acer rubrum	luteus-flowering maple roseus-flowering maple tangerine-flowering maple vesuvius red-flowering maple flame maple red maple	C, F C, F C, F F F
	red sunset maple	F
Acer saccharinum	silver maple	C, F
Alsophila australis	Australian tree fern	C, F
Areacastrum romanzoffianum	queen palm	C, F
Betula nigra	birch, river	C, F
Betula papyrifera	paper birch	F
Brachychiton populneus Bucida buceras	bottle tree black olive	C, F F
Ceratonia siliqua	carob	F
Cercis canadensis	redbud	C, F
Chamaecyparis obtusa	filicoides-fernspray cypress	F.
Chamaecyparis obtusa	gracilis-slender hinoki cypress	F
Chamaecyparis pisifera	sawara-false cypress	F
	squarrosa-moss cypress	F
Chamaedorea cataractarum	cat palm	F
	palm	C, F
Chamaedorea costaricana	palm	C, F
Chamaedorea elegans	parlor palm	C, F
Cornus florida	cloud nine dogwood dogwood, flowering	C, F C, F
Crataegus viridis	green hawthorn	F, F
Cryptomeria japonica	cryptomeria, Japanese	C, F
Cupaniopsis anacardioides	carrot wood	F, .
Cupressocyparis x 'Emerald Isle'	emerald island leyland cypress	C, F
Cupressus arizonica	Arizona cypress	C, F
Cupressus glabra	Arizona cypress	F
Cupressus sempervirens	Italian cypress	C, F
Dicksonia antarctica	Tasmanian tree fern	C, F
Elaeagnus angustifolia	Russian olive	C, F
Elaegnus x 'Gilt edge'	gilt edge silverberry	C, F
Eucalyptus camaldulensis	red gum eucalyptus	F
Eucalyptus cinerea	eucalyptus, mealy	F
Fueduntus misrothese	silver dollar eucalyptus coolibah tree	F
Eucalyptus microtheca Eucalyptus sideroxylon	eucalyptus, red ironbark	C, F F
Ficus benjamina	ficus	C, F
riodo borijanima	mini ficus	C, F
Fraxinus udhei	shamel ash	C, F
Ginkgo biloba	ginkgo (maidenhair tree)	F
Gleditsia triacanthos	honey locust	F
	shademaster honey locust	F
Heteromeles arbutiflora	toyon	F
Illicium floridanum	Florida anise-tree	C, F
Juniperus virginiana	redcedar, eastern	C, F
Liquidambar styraciflua	sweetgum, American	F
Magnolia grandiflora Morus alba	magnolia, southern white mulberry	C, F F
Musa aluminata	banana	C, F
Oxydendrum arboreum	sourwood	C, F
Picea abies	pendula-weeping Norway spruce	C, F
		•

Picea glauca Picea glauca conica Picea pungens	repens-spreading Norway spruce spruce, Norway conica-dwarf Alberta spruce dwarf Alberta spruce dwarf globe blue spruce glauca-Colorado blue spruce hoopsii-hoop's blue spruce koster-koster blue spruce	C, F C, F C, F C, F C, F C, F
Pinus aristata	bristlecone pine	F
Pinus canariensis	canary island pine	F
Pinus contorta	shore pine, beach pine	F
Pinus eldarica	eldarica pine	C, F
Pinus leucodermis	Bosnian pine	C, F
Pinus mugo	pumilio-shrubby swiss mountain pine	C, F
Pinus nigra	Austrian black pine	C, F
Pinus radiata	monterey pine	F
Pinus strobus	eastern white pine	C, F
Pinus strobus	white pine	C, F
Pinus sylvestris	columnar Scotch pine	C, F
5	Scotch pine	C, F
Pinus thunbergiana	Japanese black pine	C, F
Platanus occidentalis	American sycamore	F
Platanus racemosa	Califorina sycamore	F
Podocarpus spp.	podocarpus	F
Populus deltoides	cottonwood	F
Prosopis chilensis	Chilean mesquite	C, F F
Prunus yedoensis	yoshino flowering cherry	
Quercus ilicifolia	bear oak	F
Quercus palustris	pin oak willow oak	F C, F
Quercus phellos Quercus rubra	red oak	С, F С, F
Quercus rubra Quercus virginiana	live oak	C, F
Salix babylonica	babylon weeping willow	F, F
Sallx babylottica	corkscrew willow	F
Sequoiadendron giganteum	giant sequoia	F
Swietenia mahogani	mahogany	F
Tabebuia caraiba	yellow tab	F
Tsuga canadensis	eastern hemlock	C, F
Ulmus parvifolia	Chinese elm	F.
Washingtonia robusta	Mexican fan palm	F
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# Shrubs

# Recommended Treatment Method C = Container Grown F = Field Grown

# Scientific Name Common Name

Abelia grandiflora	Edward Goucher abelia glossy abelia	C, F C, F
Acacia abyssinica	abyssinica acacia	C, F
Acacia redolens	acacia, prostrate	C, F
Acacia stenophylla	shoestring acacia	C, F
Acalypha wilkesiana	copper leaf	C, F
Acer ginnala	amur maple	C, F
Acer palmatum	coral bark Japanese maple	C, F
	dwarf Japanese maple	C, F
Agapanthus africanus	queen Anne lily of the nile	C, F

Agave americana Anisodontea hypomandarum Aptenia cordifolia Ardisia japonica Astible arendsii Astilbe chinensis Athyrium nipponimcum Baccharis pilularis Berberis gladwynensii Berberis mentorensis Berberis thunbergii	century plant cape mallow red apple aptenia chirimen marlberry false spiraea astilbe/false spirea Japanese painted fern coyotebush William Penn barberry mentor barberry aurea-golden Japanese barberry crimson pygmy barberry	F C, F C, F C, F F C, F
Bougainvillea spp.	rose glow barberry atropurea-redleaf Japanese barberry cherry bomb barberry barbara karst California gold pink pixie Scarlet O'Hara temple fire	C, F F C, F C, F C, F C, F
Buxus x 'Green velvet' Buxus microphylla japonica Buxus microphylla Koreana Buxus sempervirens Callistemon citrinus	Texas dawn green velvet boxwood boxwood, Japanese Korean boxwood boxwood, common bottlebrush, lemon	C, F C, F C, F F C, F
Callistemon viminalis Calluna vulgaris Camellia japonica Caryopteris x clandonen Cassia artemisioides Ceanothus spp. Cephalotaxus drupacae	weeping bottlebrush spring torch Scotch heather camellia dark knight bluebeard cassia, feathery wild lilac plum yew	C, F C, F C, F C, F F C, F
Cerastium tomentosum Chamaecyparis obtusa Chamaecyparis pisifera	snow-in-summer kosteri cypress nana-dwarf hinoki cypress torulosa cypress baileyi-dogwood	C, F C, F C, F C, F
Chamaecyparis pisifera spp. Chrysalidocarpus lutescens Clethra alnifolia	flaviramea-dogwood squarrosa minima cypress filifera-thread cypress areca palm summersweet	F C, F C, F F C, F
Cleyera japonica Coleonema pulchrum Convolvlus cneorum Cornus alba Cornus stolonifera	cleyera, Japanese pink breath of heaven bush morning glory sibirica-Siberian dogwood baileyi-red-osier dogwood	C, F C, F C, F F
Cotinus coggygria Cotinus dammeri Cotoneaster adpressus	flaviramea-yellowtwig dogwood royal purple smoke tree coral beauty smoke tree eichholz smoke tree praecox-early cotoneaster	F C, F C, F C, F
Cotoneaster apiculatus Cotoneaster congestus Cotoneaster dammeri	cotoneaster, cranberry cotoneaster, Pyrenees cotoneaster, bearberry	C, F C, F C, F

Cotoneaster himalayan	Himalayan cotoneaster	C, F
Cotoneaster horizontalis	cotoneaster, rock	C, F
Cotoneaster opiculata	cotoneaster	C, F
Cycas revoluta	sago palm	C, F
Cytisus praecox	hollandia-warminster broom	C, F
Cytisus scoparius	lena-Scotch broom	C, F
Cytisus spp.	holandia-Scotch broom	F
Daphne odora	fragrant daphne	C, F
Deutzia crenata	nakiana-dwarf deutzia	C, F
Deutzia gracilis	slender gracilis	C, F
Dodonea viscosa	hopseed bush	F
Elaeagnus pungens	fruitland silver berry	C, F
Erica cinerea	purple bell heather	C, F
Erica vagans	cornish heather	C, F
Erica x darleyensa	Mediterranean pink heather	C, F
Eugenia myrtifolia	dwarf brush cherry	C, F
Euonymus x 'Aureo variegatus'	gold spot euonymus	C, F
Euonymus x 'Chollipo"	chollipo eunoymus	C, F
Euonymus fortunei	canadale gold euonymus	C, F
	emerald'n gold euonymus	F
	sunspot euonymus	C, F
Euonymus japonica	silver king euonymus	F
Francisco Historia	variegated evergreen euonymus	C, F
Euonymus kiatschovica	spreading euonymus	C, F
Euonymus vegetus	bigleaf wintercreeper	C, F
Euryops pectinatus	dwarf euryops	C, F C, F
Fatshedera japonica	lananasa aralia	С, F С, F
Fatsia japonica Felicia ameloides	Japanese aralia	
Forsythia intermedia	blue marguerite	C, F C, F
•	forsythia, border	С, F
Forsythia x 'Spring glory'	spring glory forsythia	С, F
Gardenia jasminoides	august beauty gardenia gardenia	C, F
	radican gardenia	C, F
Gaultheria shallon	salal/lemon leaf	C, F
Gelsemium sempervirens	Carolina jessamine	C, F
Genista pilosa	woadwaxen	C, F
Hibiscus rosa-sinensis	ross estey-hibiscus	C, F
Hibiscus syriacus	rose of sharon, red bird	C, F
Thorodo dyridodd	rose of Sharon, red heart	F
	rose of Sharon, woodbridge	C, F
	rose of Sharon, aphrodite	<b>O</b> , .
	rose of Sharon, Helene	
llex aquifolium	Balkans holly	F
nex aquilonam	gold coast holly	F
llex aquipernyi	san jose holly	C, F
Ilex attenuata	savannah holly	C, F
Ilex cornuta	burford holly	C, F
	dwarf burford holly	C, F
	needle point holly	C, F
llex crenata	compacta-dwarf Japanese holly	C, F
llex crenata	convexa holly	Ć, F
	dwarf Chinese holly	C, F
	green luster holly	C, F
	helleri-heller's Japanese holly	C, F
	hetzii's Japanese holly	C, F

llex glabra	stokesii Japanese holly compacta-compact inkberry holly	C, F
llex meserveae	nordica-inkberry holly blue boy holly blue girl holly China boy holly	C, F C, F C, F
Ilex vomitoria	China girl holly ebony magic holly nana-dwarf yaupon holly pendula-weeping yaupon holly	F C, F C, F
Illicium annisatum Itea ilicifolia Ixora collinea	yaupon holly mystery gardenia henry garnet holly leaf sweetspire ixora	C, F C, F C, F
Juniperus chinensis	hollywood juniper media-old gold juniper pfitzer juniper pfitzerana glauca-blue juniper pfitzerana-pfitzer juniper	C, F C, F C, F C, F
	sea green juniper torulosa-hollywood juniper	F C, F
Juniperus conferta	emerald sea shore juniper	C, F
Juniperus horizontalis	shore juniper andorra juniper bar harbor juniper	C, F C, F C, F
	blue chip juniper blue rug juniper creeping juniper dwarf andorra juniper	C, F C, F C, F C, F
	huntington blue juniper plumosa-andorra juniper wiltonii-blue carpet juniper	C, F C, F C, F
Juniperus procumbens Juniperus prostrata Juniperus Sabina	nana-dwarf Japaneses garden juniper prostrata juniper broadmoor juniper foemina-hicks juniper savin juniper	C, F C, F C, F C, F
Juniperus scopulorum Juniperus squamata	tamariscifolia-tam juniper emerald green juniper blue juniper blue star juniper	C, F F C, F
Kalmia latifolia Lagerstroemia indica Lantana spp.	parsonii juniper laurel, mountain crepe myrtle lantana	C, F C, F C, F
Lavandula angustifolia Lavandula latifolia Lavandula officianalis Leptospermum scoparium Leucothoe axillaris	English lavander English spike lavander English lavander New Zealand tea tree leucothoe, coast	C, F C, F C, F C, F
Leucothoe fontanesiana Ligustrum japonicum	leucothoe, drooping privet, Japanese wax ligustrum yellow tip ligustrum	C, F C, F C, F
Ligustrum lucidum Ligustrum ovalifolium	privet, glossy California privet	C, F F

Ligustrum texanum	howardi privet wax leaf privet	C, F C, F
Ligustrum vicaryi	privet, golden vicary golden privet	F F
Ligustrum vulgare	lodense privet	C, F
Livistona chinensis	Chinese fountain palm	F.
Lonicera fragrantissima	winter honeysuckle	C, F
Lonicera periclymenum	flowering woodbine	C, F
	serotina woodbine	C, F
Lonicera sempervirens	trumpet honeysuckle	C, F
Loropetalum chinense	fringe flower	C, F
Mahonia aquifolium compacta	dwarf Oregon grape	C, F
Mahonia bealei	leather leaf mahonia	C, F
Mahonia repens	creeping mahonia	C, F
Myrica cerifera	wax myrtle	C, F
Nandina domestica	compacta-dwarf heavenly bamboo	C, F
	harbour dwarf-heavenly bamboo	C, F
	heavenly bamboo (nandina)	C, F
	nana compacta-heavenly bamboo	C, F
	nana purpurea-heavenly bamboo	C, F
	woods dwarf-heavenly bamboo	C, F
Nerium oleander	hardy red oleander	C, F
	oleander	C, F
	ruby lace oleander	C, F
Osmanthus fortunei	fortunes osmanthus	C, F
Pachysandra terminalis	Japanese spurge	C, F
Phoenix roeloelenii	pigmy date palm	C, F
Photinia fraseri	Fraser's photinia	C, F
Pieris japonica	lily-of-the-valley	C, F
	mountain fire lily-of-the-valley	C, F
	snowdrift lily-of-the-valley	C, F
	temple bells lily-of-the-valley	C, F
	valley rose lily-of-the-valley	C, F
	valley valentine lily-of-the-valley	C, F
Pieris japonica x forestii	forest flame lily-of-the-valley	C, F
Pinus mugo	mugo-mugho pine	C, F
Pittosporum tobira	green pittosporum	C, F
	wheeler's dwarf pittosporum	C, F
Plumbago ariculata	blue cape plumbago	F
Plumbago capensis	plumbago	C, F
Podocarpus macrophyllus	yewpine	C, F
Polygala dalmaisiana	sweet pea shrub	C, F
Polystichum polyblepharum	tassel fern	C, F
Potentilla fragiformis	cinquefoil	F
Potentilla fruticosa	cinquefoil	C, F
	gold drop pontentilla	F
	goldfinger potentilla	C, F
	red ace potentilla	C, F
	sunset potentilla	C, F
	tangerine potentilla	C, F
Potentilla verna	spring cinquefoil	C, F
Prunus gladulosa	dwarf pink flowering almond	C, F
Pyracantha fortuneana	lolendei monrovia pyracantha	C, F
	monon pyracantha	F
	red elf hybrid pyrcantha	F
	rutgers hybrid pyracantha	C, F

Rhaphiolepis indica	Santa Cruz pyracantha victory pyracantha charisma-monruce rhaphiolepis enchantress-moness rhaphiolepis rhaphiolepsis (India hawthorn) springtime-monme rhaphiolepis	C, F F C, F F C, F
Rhaphiolepis ovata Rhododendron calendulaceum	roundleaf rhaphiolepis cannon's double azalea flame azalea golden flare azalea	C, F C, F F C, F
Rhododendron campylocarpum Rhododendron carolinianum x daurium Rhododendron catawbiense	klondike azalea butterfly rhododendron PJM rhododendron catawba album rhododendron catawba rhododendron lord Roberts rhododendron rocket rhododendron	C, F F C, F C, F C, F C, F
Rhododendron caucasium x ponticum Rhododendron exbury	Cunningham white rhododendron cannon's double azalea golden flare azalea klondike azalea	C, F C, F C, F C, F
Rhododendron forrestii repens Rhododendron forrestii x griersonianum Rhododendron griffithianum Rhododendron hybrid spp.	jean marie rhododendron America rhododendron English roseum rhododendron nova zembla rhododendron	C, F C, F C, F C, F F C, F
Rhododendron impeditum Rhododendron indica Rhododendron indica Rhododendron kaempferi Rhododendron kerume	scintillation rhododendron rhododendron formosa azalea waucabusa azalea blue danube azalea coral bells azalea hino crimson azalea hino pink azalea mildred azalea snow azalea	C, F C, F C, F C, F C, F C, F C, F
Rhododendron maximum Rhododendron mucronulatum Rhododendron obtusum Rhododendron ponticum Rhododendron ponticum Rhododendron x 'purple gem' Rhododendron racemosum  Rhododendron sassthigiatim x	rhodie max (rosebay) rhododendron hino-crimsom azalea chioniodes rhododendron daphinoides rhododendron purple gem rhododendron dwarf scarlet wonder rhododendron tribly rhododendron unique rhododendron vulcan rhododendron ramapo rhododendron	C, F F C, F C, F C, F C, F C, F C, F C,
carolinianum Rhododendron satuski	gumpo pink azalea higasa azalea reijn azalea	C, F F C, F
Rhododendron spp. hybrids	carror azalea fashion azalea Gerard Christina azalea Girard Roberta azalea	C, F C, F F C, F

Rhus lancea Rosa rugosa Rosmarinus officinalis	golden flare exbury azalea helmut vogel azalea hershey red azalea hot shot azalea hume azalea inga azalea irene koster azalea president clay azalea tradition azalea sumac, African ramanas rose rosemary	F F C, F F C, F C, F C, F C, F
Senecio cineraria	dusty-miller/silver ragweed	C, F
Skimmia japonica	Japanese skimmia	C, F
Skimmia revesiana	reeve's skimmia	C, F
Solanum rantonetii	Paraguay nightshade	C, F C, F
Spiraea bumalda Spiraea x cinerea 'Grefsheim'	Anthony waterer spiraea first snow spiraea	С, г
Spiraea japonica	dolchia spiraea	C, F
opinada japonida	Japanese alpine spiraea	C, F
	shirobana spiraea	C, F
Spiraea vanhouttei	bridal wreath	C, F
Syringa rothomagensis	Chinese lilac	C, F
Syringa vulgaris	lilac, common	F
Taxus cuspidata	yew, Japanese	F
Tecomaria capensis	cape honeysuckle	C, F
Ternstroemia gymnanthera	ternstroemia, Japanese emerald arborvitae	C, F C, F
Thuja occidentalis	globosa-globe arborvitae little giant-dwarf arborvitae nigra-dark American arborvitae pyramidalis arborvitae rheingold arborvitae techny arborvitae	C, F C, F C, F C, F C, F
Thuja occidentalis	woodwardii arborvitae	C, F
Thuja orientalis	aureus nana-dwarf golden arborvitae	C, F
	minima glauca-dwarf arborvitae	C, F
Veitchia merrilli	Christmas palm	F
Viburnum bodnantense Viburnum carlesii	pink dawn viburnum	C, F
Viburnum davidii	Koreanspice viburnum  David viburnum	C, F C, F
Viburnum japonicum	viburnum	F, I
Viburnum judd (v. X juddii)	viburnum	C, F
Viburnum lantana	wayfaring tree	F
Viburnum opulus sterile	common snowball viburnum	F
Viburnum plicatum tomentosum	doublefile viburnum	C, F
Viburnum setigerum	tea viburnum	F
Viburnum tinus compactum	spring bouquet viburnum	F
Viburnum trilobum	cranberry bush	C, F
Viburnum trilobum compactum Viburnum x pragense	dwarf cranberry bush viburnum	C, F C, F
Weigela florida	bristol ruby weigela	C, F
Troigola horida	java red weigela	C, F
	minuet weigela	C, F
Xylosma congestum	xylosma	F
Yucca filamentosa	yucca	C, F

#### **Groundcovers/Perennials**

## Recommended Treatment Method: C = Container Grown F = Field Grown

#### **Scientific Name Common Name** Achillea millefolium common yarrow C, F Agapanthus africanus lily of the nile Agapanthus "Peter Pan" Alstroemeria aurea Peruvian lily C, F Ammophila breviliqulata beechgrass Antirrhinum majus snapdragon F Arctotheca calendula cape weed C, F Argyranthemum frutescens Paris daisy Artemisia schmidtiana angels' hair C, F Asparagus retrofractus fern Asteriscus maritimus C, F gold coin daisy C, F Astilbe Deutschland Deutschland astilbe C, F Asparagus retrofractus C, F Asparagus variegata tree fern C, F C, F Aster novae-angliae New England aster Aster novi-belgii New York aster C, F Begonia cordifolia heartleaf begonia C, F Begonia semperflorens white ambassador begonia C, F Bidens ferulifolia peter's gold bidens C, F Brachycome x 'New amethyst' swan river daisy new amethyst Č, F Callistepeus chinensis China aster C, F Carex spp. sedge F Carpobrotus edulis ice plant, largeleaf C, F Catharanthus roseus Madagascar periwinkle snow in the summer C, F Cerastium tomentosum Ceratostigma plumbaginoides dwarf plumbago Chrysanthemum morifolium florist's chrysanthemum C, F Chrysanthemum sp. chrysanthemum species C, F Clematis integrifolia caerulea blue bell clematis C, F Clivia miniata kafir lily C, F Coreopsis verticillata coreopsis, threadleaf C, F Cortaderia selloana pampas grass C, F Cuphea hyssopifolia false or Mexican heather C, F Cyperus albostriatus dwarf umbrella grass dwarf dahlia wendy pink C, F Dahlia x 'Royal dahlietta pink' Delosperma alba F white iceplant C, F Descampsia caespitosa descampsia Dianthus gratianopolitanus crimson treasure cheddar pink C, F C, F Dietes vegeta fortnight lily Drosanthemum floribundum trailing rosea iceplant F C, F Drosantheumum hispidum iceplant red abyssinian banana Ensete ventricosum Equisetum scirpoides dwarf horsetail C, F Erianthus ravennae hardy pampasgrass C, F Erysimum "Bowles mauve" wallflower Euryops pectinatus dwarf euryops Eustoma grandiflorum pink lisianthus Festuca ovina glauca blue fescue Fuchsia x 'Santa Claus' santa claus fuchsia Gaillardia aristata C, F blanket flower

Gaillardia grandiflora	goblin blanket flower	C, F
Gaura lindheimeri	gaura	C, F
Gazania rigens leucolaena	gazania, trailing	C, F
Gazania spp.	gazania	C, F
Geranium incanum	cranesbill	C, F
Geranium subcaulescens	blackeyed magenta cranesbill	C, F
Hakonechloa macroaureola	golden hakonechloa	C, F
Hedera canariensis	ivy, Algerian	F
Hedera helix	ivy, English	C, F
Helichrysum petiolatum	white licorice plant	C, F
Hemerocallis spp.	daylily	C, F
Hesperaloe parviflora	red yucca	C, F
Heuchera americana	palace purple	C, F
Heuchera micrantha	coral bells	C, F
Hippeastrum hybrid Hosta 'Francee'	amaryllis	C, F C, F
Hosta Iancifoila	francee plantain lily albo-marginata hosta	C, F
Hosta 'Patriot'	patriot plantain lily	C, F
Hymenoxys acaulis	angelita daisy	C, F
Hypericum spp.	St. Johnswort	C, F
Impatiens wallerana	busy lizzie	C, F
Iris pumila	yellow dwarf bearded iris	C, F
Iris siberica	blue siberian iris	C, F
Jasminum nitidum	angelwing jasmine	C, F
Lampranthus spectabilis	trailing iceplant	F
Leptospermum scoparium	broom teatree/manuka	C, F
Liatris spicata	gay feather	C, F
Limonium perezii	statice	C, F
Liriope gigantea	white lily turf	C, F
Liriope muscari	lilac beauty lily turf	C, F
	majestic lily turf	C, F
	Monroe white lily turf	C, F
	silvery sunproof lily turf	C, F
	variegated liriope lily turf	C, F
I totana anta da	big blue lily turf	C, F
Liriope spicata	green/creeping lily turf	C, F
Lobelia erinus	lobelia	C, F
Lobularia maritima	sweet alyssum	C, F F
Lonicera japonica	honeysuckle, Japanese dotted loosestrife	г С, F
Lysimachia punctata Mathiola incana	stock	C, F
Miscanthus sinensis	eulalia grass	C, F
Monarda didyma	bee balm	C, F
Moraea iridiodes	African iris	C, F
Oenothera speciosa	siskiyou evening primrose	C, F
Ophiopogon japonicus	dwarf mondo grass	C, F
- princip og om york om out	mondo grass	C, F
Osteospermum fruticosum	freeway daisy	C, F
Pachysandra terminalis	Japanese spurge	C, F
Parthenocissus quinguefolia	Virginia creeper	C, F
Pelargonium x hortorum	zonal geranium	C, F
Pelargonium peltatum	ivy geranium	C, F
Pennisetum alopecuroides	fountain grass	C, F
Pennisetum setaceum	chrimson fountaingrass	C, F
Pentas lanceolata	star cluster	C, F
Penstemon x 'Apple blossom'	apple blossom penstemon	C, F

Penstemon gentianoides Perovskia atriplicifolia Petunia-hybrids Phalaris arundinacea picta Ratibida columnifera Rudbeckia fulgida Rudbeckia hirta Ruellia brittoniana Salvia grahamii Salvia leucantha Sedum x 'Autumn joy' Sedum x 'Vera jameson'	hartwig penstemon Russian sage garden petunias ribbon grass Mexican hat blackeyed susan blackeyed susan dwarf katie ruellia Graham's sage Mexican bush sage autumn joy stonecrop	C, F C, F C, F C, F C, F C, F C, F C, F
Salvia grahamii	Graham's sage	C, F
Salvia leucantha	Mexican bush sage	C, F
Sedum x 'Autumn joy'	autumn joy stonecrop	C, F
Sedum x 'Vera jameson'	Vera Jameson stonecrop	C, F
Targetes patula 'Little hero'	little hero marigold	C, F
Trachelospermum asiaticum	asian jasmine	C, F
Tulbaghia violacea	society garlic	C, F
Verbena peruviana	St. Paul verbena	C, F
Vinca major	periwinkle, bigleaf	C, F
Vinca minor	periwinkle, dwarf	F
Vinca spp.	periwinkle	F
Zinnia elegans	dwarf zinnia	C, F

# Non-Bearing Fruit and Nut Trees Non-bearing Vineyards<sup>1</sup>

Recommended Treatment Method: C = Container Grown F = Field Grown

# **Common Name**

almond	F
apple	F
apricot	F
avocado	F
blackberry	F
blueberry	F
boysenberry	F
cherry, sour	F
cherry, sweet	F
currant	F
dewberry	F
elderberry	F
fig	F
filbert	F
gooseberry	F
grape, American	F
grape, European	F
grapefruit	F
kiwi	F
lemon	F
loganberry	F
macadamia nut	F
nectarine	F
olive	F
orange	F
peach	F
pear	F
pecan	F

pistachio	F
plum	F
pomegranate	F
prune	F
raspberry	F
walnut, black	F
walnut, English	F

<sup>&</sup>lt;sup>1</sup>Non-bearing fruit and nut trees and non-bearing vineyards are defined as plants which will not bear fruit for at least one year after treatment.

#### **Ornamental Bulbs**

Do not use Snapshot 2.5 TG in bulb production fields. For use in landscape settings only.

Snapshot 2.5 TG may be applied for control of susceptible annual weeds in ornamental bulbs, e.g., bulbous iris, daffodil (narcissus), hyacinth and tulip. Apply Snapshot 2.5 TG to the soil surface 2 to 4 weeks after planting, but prior to the emergence of annual weeds. Snapshot 2.5 TG may also be applied following bulb emergence but prior to flowering and after flowering. For fall planted bulbs, apply Snapshot 2.5 TG again in late winter or early spring to weed-free soil surfaces.

#### **Special Use Precautions:**

Do not apply to tulip plants that have emerged to a height greater than 3/4 inch. Do not apply to gladiolus prior to emergence or if corms are less than one inch in diameter.

Do not apply to bulbs while they are flowering.

#### **Shadehouse Areas**

Snapshot 2.5 TG may be applied in open shadehouse-type structures where the natural flow of air is unimpeded. Do not apply in enclosed greenhouses or in enclosed shadehouse-type structures. Do not apply within three weeks prior to enclosing greenhouse or poly-type structures.

# Non-Cropland

Snapshot 2.5 TG is recommended as a preemergence treatment for control of certain broadleaf weeds and annual grasses on non-cropland areas such as industrial sites, utility substations, highway guardrails, sign posts, delineators, etc. Apply Snapshot 2.5 TG 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 postemergence herbicides.

Refer to the General Information section of this label for General Use Precautions and information on Application, Application Rates, and Weeds Controlled.

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Corteva Agriscience warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. To the extent consistent with applicable law, Corteva Agriscience MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

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It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Corteva Agriscience or the seller. Corteva Agriscience will not be responsible for losses or damages resulting from the use of this product in any manner not specifically directed by Corteva Agriscience. To the extent consistent with applicable law, all such risks associated with non-directed use shall be assumed by buyer and/or user.

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- 1. Refund of purchase price paid by buyer or user for product bought, or
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