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35915-11

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

SEP 24 1999

Mr. John R. French  
Agent for  
OXON ITALIA  
70 Mansell Court, Suite 230  
Rosell, GA 30076

SUBJECT: Oxon Italia Sim-Trol 4L Herbicide, Reg. No. 35915-11  
Your Application Dated August 12, 1999

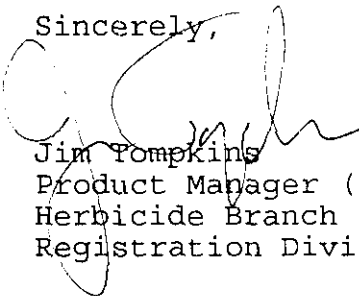
Dear Mr. Chan:

The submission of the revised CSF referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), is acceptable.

The label and CSF must be consistent in declaring product's name "Oxon Italia Sim-Trol 4L Simazine Flowable Herbicide" must also appear on the amended CSF.

Please submitted a revised CSF for inclusion in our files for the above name product.

Sincerely,

  
Jim Tompkins  
Product Manager (25)  
Herbicide Branch  
Registration Division (7505C)

CONCURRENCES

SYMBOL ▶	7505C							
SURNAME ▶	MINOR, E.							
DATE ▶	Sep 24, 1999							

# oxon Italia

ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
SEP 29 1995

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
35915-11

# Sim - Trol 4L

## Simazine Flowable Herbicide

ACTIVE INGREDIENT:		
Simazine (2-Chloro-4, 6-bis (ethylamino)-s-triazine).....		42.8%
INERT INGREDIENTS:.....		57.2%
TOTAL .....		100.0%

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

### STATEMENT OF PRACTICAL TREATMENT

**IF SWALLOWED:** Drink 1 or 2 glasses of water. Induce vomiting, by placing finger in back of throat. Call a physician. Never give anything by mouth to an unconscious person.

**IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

**IF ON SKIN:** Remove by washing

**IF IN EYES:** Flush with plenty of water. Get medical attention if irritation persists.

Net Content

**OXON ITALIA S.p.A.**  
Via Sempione, 195 - 20016 PERO  
MILANO - ITALY

EPA Reg. No. 25915-11  
EPA Est. No.

3/6

# PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS CAUTION

Harmful if swallowed, inhaled or absorbed through the skin. Do not get in eyes or on skin. Do not breathe spray mist. If swallowed, induce vomiting. Get medical attention. If inhaled, contact your nearest Poison Control Center. If on skin, remove by washing. Get medical attention if irritation persists. If in eyes, flush with plenty of water. Get medical attention if irritation persists.

## PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical resistance category selection chart. Applicators and other handlers must wear: Long-sleeved shirt and long pants, chemical-resistant gloves, such as Barrier Laminate, Butyl Rubber ≥ 14 mils, Nitrile Rubber ≥ 14 mils, Neoprene Rubber ≥ 14 mils, Polyvinyl Chloride (PVC) ≥ 14 mils, Viton ≥ 14 mils 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.

## ENGINEERING CONTROLS STATEMENTS

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (c) (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 PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## ENVIRONMENTAL HAZARDS

Do not apply directly to water or to areas where surface water is present or to inertial areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of wastes. Simazine is a chemical which can travel (seep or leach) through soil and enter ground water which may be used as drinking water. Simazine has been found in ground water as a result of its use as a herbicide. Users of this product are advised not to apply Simazine where the water table (ground water) is close to the surface and where the soil is very permeable. In well-drained soils such as loamy sands. Users are advised to consult with their local agricultural agencies to obtain information on the location of ground water and the permeability of soil.

## DIRECTIONS FOR USE

A violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. Exceptions: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: Coveralls, chemical-resistant gloves, such as Barrier Laminate, Butyl Rubber ≥ 14 mils, Nitrile Rubber ≥ 14 mils, Neoprene Rubber ≥ 14 mils, Polyvinyl Chloride (PVC) ≥ 14 mils, Viton ≥ 14 mils and shoes plus socks.

## STORAGE AND DISPOSAL

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

**PESTICIDE DISPOSAL:** Pesticide wastes may be toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of federal law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

**CONTAINER DISPOSAL:** Triple rinse container (or equivalent). Then offer for recycling, reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by state or local authorities.

## GENERAL INFORMATION

SIM-TROL™ 4L is a herbicide that should be applied before weeds emerge or following removal of weed growth. It controls a wide variety of annual broadleaf and grass weeds when used at selective rates in agricultural crops and ornamental plantings.

Since SIM-TROL™ 4L enters weeds mainly through their roots, rainfall or irrigation is needed to move it into the root-zone. Very dry soil conditions and lack of rainfall following application may necessitate shallow cultivation.

SIM-TROL™ 4L controls most annual broadleaf and grass weeds such as:

- |                            |                            |                      |                  |                               |                          |
|----------------------------|----------------------------|----------------------|------------------|-------------------------------|--------------------------|
| Alyssum                    | Carpeweed                  | Florida Paintbrush   | Mustard          | Redmaids                      | Tansymustard             |
| Amaranthus                 | Common Chickweed           | Florida Pusley       | Nightshade       | Russian Thistle               | Wild Oats                |
| Annual Bidgrass            | Crabgrass (Digitaria spp.) | Foxtails             | Pepperweed       | Shepherdspurse                | Wildmustard              |
| Annual Morningglory        | Downy Brome (Cheat)        | Goosegrass           | Pineappleweed    | Sheldisgrass                  | Wiregrass                |
| Annual Ryegrass            | Fall Panicum               | Groundsel            | Pigweed          | Signalgrass (Brachiaria spp.) | Witchgrass               |
| Barnyardgrass (Watergrass) | Fiddleneck                 | Henbit               | Prickley Lettuce | Silver Hairgrass              | Yellow Flower Pepperweed |
| Brachiaria spp.            | Filaree                    | Knawel (German Moss) | Purslane         | Smartgrass                    |                          |
| Burclover                  | Fireweed                   | Juncelence           | Ragweed          | Spanish Needles               |                          |
| Carelessweed               | Fivehook Bassia            | Lambquarters         | Rattail Fescue   | Speedwell                     |                          |

SIM-TROL™ 4L is non-corrosive to equipment, non-flammable, and has low electrical conductivity.

SIM-TROL™ 4L is a flowable formulation to be mixed with water and applied as a spray. Add SIM-TROL™ 4L to the spray tank during or after filling. Sufficient hydraulic (jet) or mechanical agitation should be provided during mixing and application to keep the material in suspension.

Do not apply when weather conditions favor drift from areas treated.

Apply this product only as specified on this label. Do not apply this product through any type of irrigation system.

Add SIM-TROL™ 4L directly to the spray tank partially filled with clear water, add any tank mix ingredients and then add remainder of water and provide constant agitation during mixing to keep mixture in suspension. Agitation should not be so violent as to cause air bubbles to form in mixture.

For ground application where the amount of water is not specified, apply SIM-TROL™ 4L in 20-40 gals. of water per acre.

For aerial application, use a minimum of one gal. of water for each 1 Qt. of SIM-TROL™ 4L per acre, unless specified differently.

## EQUIPMENT:

Ground Application: Use conventional spray equipment with 80° fan-type nozzles. Screens in nozzles as well as those in suction and inline strainers, should be no finer than 10 mesh.

Use hydraulic or mechanical agitation during mixing and application to maintain a uniform suspension.

Use a pump with capacity to maintain 35-40 psi at the nozzles. If hydraulic agitation is used the pump should also provide sufficient agitation in the tank to keep the mixture in suspension.

Wash sprayer thoroughly with clean water immediately after use.

Aerial Application: Use aerial application only where specified in the use directions. Screens in nozzles as well as those in suction and inline strainers should be no finer than 50 mesh.

Wash sprayer thoroughly with clean water immediately after use.

# FRUIT AND NUT CROPS

Apply the spray to the orchard or vineyard floor avoiding contact with fruit, foliage or stems. Make application only to orchards or groves where trees have been established one year or more. Make only one application per year, except as noted otherwise. Recommended rates are based on broadcast treatment. For band applications or spot applications around trees in fruit or nut plantings, reduce the broadcast rate of SIM-TROL™ 4L and water per acre in proportion to the area actually sprayed.

**ALMONDS, PEACHES AND NECTARINES:** (California only): Apply 1-2 Qts. of SIM-TROL™ 4L per treated acre in a 2-4 ft. band on each side of the tree row. Apply before weeds emerge in late fall or early winter. Weeds controlled by 1 Qt. of Sim-Trol™ 4L include burclover, common chickweed, wild mustard, and shepherdspurse. Apply only once per year.

**PRECAUTIONS:** To avoid crop injury, (1) Do not treat trees established in the grove less than 3 years. (2) Do not treat the Mission (Texas) variety of almonds. (3) Do not apply to almond trees propagated on plum rootstocks. (4) Do not replant almonds, peaches or nectarines in treated soil for 12 months after treatment. (5) Do not apply on soil with less than 1% organic matter. (6) Do not treat areas where water will accumulate.

**APPLES, PEARS, SOUR CHERRIES:** Apply 2-4 Qts. per acre.

**AVOCADOS:** California and Florida only: Apply 2-4 Qts. per acre after final preparation of grove.

**PRECAUTION:** Do not apply to sandy soil.

**BLUEBERRIES AND CANE BERRIES** (blackberries, boysenberries, loganberries, raspberries): Apply 2-4 Qts. per acre in the spring or apply a split application of 2 Qts. per acre in the spring plus 2 Qts. per acre in the fall. Apply in a minimum of 40 gals. of water per acre.

On plantings less than 6 months old use 1/2 the above rate.

To control quackgrass, apply 4 Qts. per acre in the fall or split the application applying 2 Qts. per acre in the fall plus 2 Qts. per acre in the spring, when quackgrass is actively growing.

**NOTE:** Do not apply when fruit is present.

**CRANBERRIES:** Massachusetts: Apply up to 4 Qts. per acre either before spring growth begins or in the fall after harvest. Other areas: Apply 2 Qts. per acre before spring growth begins.

**FILBERTS:** (Oregon and Washington only) Apply 2-4 Qts. per acre in the fall or apply a split application of 2 Qts. per acre in the fall plus 2 Qts. per acre in the spring.

**PRECAUTION:** 1) If trees are planted on a hillside, excessive soil erosion may result from the elimination of weeds. 2) Do not use on sandy soil.

**NOTE:** Do not apply when nuts are on the ground during the harvest period.

**GRAPES:** Apply 2-4.8 Qts. per acre any time between harvest and early spring.

**PRECAUTION:** Do not use in vineyards established less than three years.

**GRAPEFRUIT, LEMONS, ORANGES:** Arizona (Lemons and Oranges only): Apply a split application of 1.6 Qts. per acre in the spring plus 1.6 Qts. per acre in the fall. California: Apply 2-4 Qts. per acre. Do not use in the Imperial, Coachella, or Palo Verde Valleys.

**FL** (Grapefruit and Oranges only): Apply 4 qts. of Sim-Trol 4L to weed-free soil during the spring and/or fall to control weeds expected to emerge during these periods. Apply prior to emergence of weeds or after emerged weeds have been controlled with a contact herbicide. Use caution to keep the treatment off the foliage, fruit, or trunk of citrus trees.

Texas (Grapefruit and Oranges only): Apply 4-4.8 Qts.

**PRECAUTIONS** (All areas): 1) Do not use in nurseries. 2) Do not apply to bedded grapefruit, lemons or oranges. 3) To avoid possible injury do not apply to trees under stress from freeze damage for one year after the freeze.

**MACADAMIA NUTS:** Apply 2-4 Qts. in 50 gals. of water per acre before harvest and just prior to weed emergence. Repeat application as necessary. Do not apply when nuts are on the ground during the harvest period.

**OLIVES:** Apply 2-4 Qts. per acre following grove preparation in the fall. Repeat annually in midwinter.

**PEACHES, PLUMS, SWEET CHERRIES:** Apply 2-4 Qts. per acre. Apply in late fall to early spring prior to weed emergence.

**PRECAUTIONS:** 1) Do not apply to sandy or gravelly soil. 2) Peaches: use only in Ark., La., Mo., Okla., Tex., and the states east of the Miss. River. 3) Plums and sweet cherries: use only in Mo. and states east of the Miss. River except Tenn.

**PECANS:** Apply 2-4 Qts. per acre before weeds emerge in the spring.

**PRECAUTIONS:** To avoid crop injury (1) Do not use west of the Pecos River in Texas or in New Mexico, Arizona or California. (2) Do not make applications to transplanted trees that have been established less than two years in the grove.

Do not apply when nuts are on the ground. Do not allow animals to graze treated areas.

**STRAWBERRIES:** Oregon and Washington: For control of chickweed, groundsel, mustard, and shepherdspurse, apply broadcast 1 qt. per acre. In fields where overhead irrigation is used to activate this product, apply after harvest at time of bed renovation. In fields where overhead irrigation is not available, apply during early October through November.

**PRECAUTIONS:** To avoid crop injury, (1) Make only one application per growing season. (2) Do not apply within 4 months after transplanting.

**WALNUTS:** Apply 2-4 Qts. per acre.

**PRECAUTIONS:** 1) Do not apply to sandy soil. 2) Leveling and furrowing operations after application will lessen effectiveness of weed control.

**NOTE:** Do not apply when nuts are on the ground.

## SIM-TROL™ 4L plus Evik 80W for Grapefruit and Oranges

Use in grapefruit and oranges in FL and TX for control of weeds listed in the following directions and under General Information. Apply the rates given below in a minimum of 40 gallons of water per acre thoroughly covering existing vegetation, but avoiding contact with citrus fruit, foliage or stems. Do not spray when windy. Apply when weeds have resumed active growth in the spring, but before they exceed 4 inches in height (except as noted for vines). Apply only once per year. To avoid possible injury, do not use in nurseries, or around trees that have been established in the grove less than two years, or where trees are under stress from freeze damage for one year after the freeze. Do not apply within 30 days before harvest. Do not graze treated areas. Observe all precautions and limitations on the labeling of SIM-TROL™ 4L and EVIK 80W. When mixing, add EVIK 80W slurry to water in spray tank, agitate thoroughly, then add SIM-TROL™ 4L and agitate thoroughly again.

**FLORIDA (Ridge Area):** Apply 4 qts. of SIM-TROL™ 4L plus 5 lbs. of EVIK 80W per acre; controls milkweed vine when applied either preemergence or on vines up to 24 inches tall.

**FLORIDA (Bedded Areas):** Apply 3.2 qts. SIM-TROL™ 4L Plus 6 lbs. of EVIK 80W per acre; controls balsamapple when applied either preemergence or on vines up to 12 inches tall.

**TEXAS:** Apply 3.2-4 qts. of SIM-TROL™ 4L plus 2-3 lbs. of EVIK 80W per acre plus 2 qts. nonionic surfactant such as X-77 per 100 gals. of spray mixture (add surfactant to spray tank last); controls bufflegum, marivine (ivy treebine), Texas panicum, sandbur, and sunflower, and gives top-kill of johnsongrass. Use 4 qts. of SIM-TROL™ 4L per acre for longer residual control; use 3 lbs. of EVIK 80W per acre for control of heavy weed growth and for top-kill of johnsongrass; use the higher rate of both products for control of mannevine.

**PRECAUTIONS:** (All Areas) to avoid injury, (1) Do not use in nurseries or around trees that have been established in groves less than 2 years except in Florida. (2) Do not use in nurseries or where trees are under stress from freeze damage for one year after the freeze. (3) Apply only once per year.

**NOTE:** (All Areas) Do not apply within 30 days before harvest or illegal residues may result. Do not graze treated area.

## SIM-TROL™ 4L plus Bromacil 80W For Grapefruit and Oranges (Florida Only)

Use in grapefruit and oranges in Florida for control of balsamapple, black nightshade, carpetweed, crabgrass, cudweed, dayweed, Florida pusley, horseweed, pepperweed, pigweed, poonoe, ragweed, rattlebox, spanishneedles and sandbur, and for partial control of bermudagrass, bahiagrass, pangolagrass, paragrass, and torpedograss. Apply 3.2-6.4 qts. of SIM-TROL™ 4L plus 3.4 lbs. of Bromacil 80W per acre beneath trees in a minimum of 40 gals. of water per acre before or soon after weed growth begins. When mixing, add Bromacil 80W slurry to water in spray tank, agitate thoroughly, then add SIM-TROL™ 4L and agitate thoroughly again. Avoid contact of foliage and fruit with spray or mist. Apply only once per year. Use the lower rate for light weed infestations or all applications in bedded citrus areas. Use the higher rates for heavy weed infestations only in ridge grown citrus areas. Temporary yellowing of citrus leaves may occur following treatment.

**PRECAUTIONS:** To avoid possible injury, do not use in nurseries or around trees that have established in groves for less than four years or where trees are under stress from freeze damage for one year after the freeze. Do not use on soil with less than 1% organic matter or on poorly drained soil. Do not treat trees planted in irrigation furrows. Do not treat diseased trees such as those with foot rot. Do not use in groves interplanted with other trees or desirable plants, nor in home grapefruit or orange plantings, or in areas where roots of other valuable plants or trees may extend. Treated areas may be planted to citrus trees one year after application. Do not rotate to other crops within two years after application.

## SIM-TROL™ 4L Plus Gramoxone® Super

This tank mix is effective in the following fruit and nut crops for kill of existing vegetation and for residual control of the annual broadleaf and grass weeds claimed for Sim-Trol™ 4L applied alone. This combination is also effective for top kill and suppression of perennial weeds. In FL, this mixture may be applied in spring or fall to emerged weeds.

Use this tank mix on these crops:

Almonds (CA only)	Grapefruit (CA & TX only)	Olives	Plums*
Apples	Grapes	Oranges*	Walnuts
Avocados (CA & FL) only	Lemons (AZ & CA only)	Peaches*	
Cherries (sour and sweet)	Macadamia nuts	Pears	
Filberts		Pecans	

Apply the SIM-TROL™ 4L rate given under the appropriate crop on this label plus 1.5-2.5 qts. Gramoxone Super in 50-200 gals. (30-50 gals. for pecans) of water per acre to the orchard floor avoiding contact with fruit, foliage, or stems. Add a nonionic surfactant, such as X-77, at 0.5 pt. per 100 gals. of spray. Apply when weeds are succulent and new growth is 1-6 inches tall. For mature woody weeds or difficult to control perennial weeds, re-treat or spot treat with Gramoxone Super if regrowth occurs.

Add SIM-TROL™ 4L to the spray tank first (refer to Mixing Procedures section of this label), then add Gramoxone Super, and add the surfactant last. Provide constant agitation during mixing and application to keep the mixture in suspension.

**PRECAUTIONS:** To avoid crop injury, (1) Apply the tank mix only once per year. (2) Use a shield for young trees or vines.

Refer to the SIM-TROL™ 4L and Gramoxone Super labels for further directions, specific weeds controlled, and precautions and limitations on each crop.

\*In avocados in Florida, this tank mix also controls balsamapple, rattail amaranth, and at the higher rate of each herbicide, it suppresses coral vine.

\*In oranges in Florida, apply 4 qts. of SIM-TROL™ 4L per acre per application. Do not exceed 8 qts. of SIM-TROL™ 4L during any one growing season.

\*Limited to CA, AR, LA, MO, OK, TX, and states east of the Miss. River. As appropriate, refer to SIM-TROL™ 4L sections "Almonds, and peaches (CA only)" or "Peaches, Plums, Sweet Cherries" for rate of SIM-TROL™ 4L and other information.

\*Limited to MO and states east of the Miss. River except TN.

\*Based on a product containing 1.5 lbs. Gramoxone Super cation per gal.

## Tank Mixture with Roundup

This tank mixture is effective in grape vineyards and in the following bearing or nonbearing tree crops for control of existing vegetation and for residual control of the annual broadleaf and grass weeds claimed for this product applied alone. This combination is also effective for partial control of perennial weeds contacted by the spray mixture during application. Use this tank mixture on these crops:

Almonds** (CA only)	Macadamia nuts**
Apples*	Oranges* (AZ, CA, FL & TX)
Avocados* (CA and FL only)	Peaches*
Cherries (sour and sweet)*	Pears*
Filberts*	Plums**
Grapefruits* (CA, FL, TX)	Plums**
Grapes*	Walnuts**
Lemons* (AZ and CA)	

Use the appropriate rate given elsewhere on this label for SIM-TROL™ 4L applied alone to the crop being treated. Add to the spray tank 1-5 qts. of Roundup per acre depending on weeds present and their growth stage. Also add an agriculturally approved nonionic surfactant at 0.5% by volume of spray solution. Apply the mixture in 10-40 gals. of water per acre as a postemergence spray to the weeds at the appropriate weed growth stage given on the Roundup label.

## SIM-TROL™ 4L Plus ATRAZINE 4L Tank-Mix Combination for Weed Control in Corn

The tank-mix combination of SIM-TROL™ 4L plus ATRAZINE 4L may be applied either before, during or after planting corn but before weeds emerge to control early germinating annual weeds and late competing grasses. One application will control most annual broadleaf and grass weeds including fall panicum, crabgrass, barnyardgrass, foxtail, velvetleaf, carpetweed, morning-glory, lambsquarters, pigweed, and ragweed. Preplant Application: Apply the tank mixture as a broadcast treatment in the spring after plowing either before, during, or after final seedbed preparation. If soil is tilled or worked after application avoid deep incorporation of SIM-TROL™ 4L plus ATRAZINE 4L. Best results will be obtained when the tank mix is applied within two weeks before planting. Preemergence Application: Apply the tank mixture during or shortly after planting but prior to crop and weed emergence.

Soil	Preplant and preemergence broadcast rates in 10-40 gals of water per acre	
	SIM-TROL™ 4L	ATRAZINE 4L
Coarse-textured soil sand, loamy sand, sandy loam	1 Qt.	1 Qt.
Medium-textured soil; silt loam and clay loam low in organic matter	1.2 Qt.	1.2 Qt.
Fine-textured soil silt loam and clay loam with medium to high organic matter and clay (including dark prairie soils of the Corn Belt)	1.5 Qt.	1.5 Qt.

Add SIM-TROL™ 4L to the spray tank first, then add Roundup. Provide constant agitation during mixing and application to keep the mixture in suspension. Refer to Application Procedures section of this label for further directions.

**PRECAUTIONS:** To avoid crop injury, take extreme care to avoid contact of herbicide solution, spray, drift, or mist with foliage or green bark of trunk, branches, suckers, fruit or other parts of trees or vines. Observe precautions on both the SIM-TROL™ 4L and Roundup labels for each crop involved.

Refer to the labels of both herbicides for further directions, specific weeds controlled, precautions and limitations on each crop.

- \* Allow a minimum of 14 days between last application and harvest.
- \*\* Allow a minimum of 21 days between last application and harvest of these crops.

<sup>1</sup>Limited to CA, AR, LA, MO, OK, TX, and states east of the Mississippi River. for CA, see specific directions in the section "Almonds and Peaches" (CA only).

<sup>2</sup>Plums and sweet cherries; limited to MO and states east of the Mississippi River except TN.

### Tank Mixture with Solicam

For improved control of such weeds as clover cutleaf (except CA), evening primrose (except CA), dandelion (except CA), henbit, horseweed or mare's tail, lambsquarters, and puncture vine, apply SIM-TROL™ 4L in tank mixture with Solicam DF.

Apply 4 qts. per acre of SIM-TROL™ 4L plus 4-5 lbs. of Solicam DF (80% active ingredient) in 20-100 gallons of water per acre. Use the same rates in all coarse-textured soils. Do not apply this combination more than 2 times per year. SIM-TROL™ 4L + Solicam may be applied in tank mixture with Gramoxone Super or Roundup.

Refer to the labels of the respective herbicides in the mixtures when applying tank mixtures.

**PRECAUTIONS:** (1) Keep SIM-TROL™ 4L + Solicam mixtures from contacting foliage, fruits and stems of citrus trees during spraying. (2) Do not apply within 12 weeks of citrus harvest.

### SIM-TROL™ 4L plus Surflan

Use the tank mix in the following crops for preemergence control of all weeds claimed on both labels.

Almonds	Caneberries	Grapefruit	Peaches	Plums
Apples	Cherries	Lemons	Pears	English Walnuts
Avocados	Grapes	Oranges	Pecans	

Apply the SIM-TROL™ 4L rate given under the appropriate crop on this label plus 2.67-5.33 lbs. of Surflan 75W or 2.4 qts. of Surflan A.S. in 20-40 gals. of water per acre. Refer to the Surflan 75W or Surflan A.S. label for complete tank mix directions. Observe all precautions and limitations on the SIM-TROL™ 4L and Surflan.

### FIELD AND FORAGE CROPS

**CORN:** Nitrogen solutions or complete liquid fertilizers may replace all or part of the water as a carrier for SIM-TROL™ 4L. Do not apply after corn has emerged as there is danger of liquid fertilizers causing crop injury.

**Preemergence:** Apply before weeds and corn emerge. Use the appropriate rate in the table below. **Preplant:** Apply in the spring after plowing at the appropriate rate in the table below. Apply before, during or after final seedbed preparation. If soil is tilled or worked after application, avoid deep incorporation of SIM-TROL™ 4L. Best results will be obtained when SIM-TROL™ 4L is applied within 2 weeks before planting.

**NOTE:** Under dry weather conditions, preplant applications may give better weed control.

Soil Texture	Broadcast rate per acre
Coarse-textured soil: Sand, silt, and loam that is low in organic matter	2 Qts.
Medium-textured soil: Soil containing a moderate amount of clay and organic matter	2.4 Qts.
Fine-textured soil: Loam that is high in organic matter and clay (including dark prairie soils of Corn Belt)	3 Qts.
Organic soil: Peat, muck, and high-organic clay	4 Qts.

To control quackgrass: Apply 3-4 Qts. per acre in the fall. Plow two to three weeks later, or if erosion is a problem, delay plowing until spring. Do not plant any crop except corn in the spring following treatment. Do not graze treated area.

**NOTE:** If weeds develop, particularly under relatively dry conditions, a shallow cultivation will generally result in better weed control.

**PRECAUTIONS:** 1) Do not apply more than 4 Qts. of SIM-TROL™ 4L to corn in any one year. 2) Land treated with SIM-TROL™ 4L should not be planted to any crop except corn until the following year as injury may occur. 3) After harvest of a treated crop, plow and thoroughly till the soil in fall or spring to minimize possible injury to spring-seeded rotational crops, regardless of the rate used. 4) If more than 3 Qts. of SIM-TROL™ 4L is used per acre (or equivalent rate in a band), a crop of untreated corn should precede the next rotational crop. 5) Do not apply SIM-TROL™ 4L preplant incorporated in corn in the High Plains and intermountain areas of the West (including central and western Kansas, western Nebraska, western Oklahoma, and the Panhandle of Texas) where rainfall is sparse and erratic or where irrigation is required. 6) In the High Plains and intermountain areas of the West where rainfall is sparse and erratic or where irrigation is required, use SIM-TROL™ 4L to control weeds in corn only when corn is to follow corn, or a crop of untreated corn is to precede another rotational crop. 7) In western Minnesota and eastern parts of the Dakotas, Nebraska, and Kansas, do not plant soybeans following corn treated with SIM-TROL™ 4L if more than 2 Qts. of SIM-TROL™ 4L per acre (or equivalent rate in a band) was applied as injury may occur. 8) Do not plant sugar beets, tobacco, vegetables (including dry beans), spring-seeded small grains, or small-seeded legumes and grasses the year after SIM-TROL™ 4L application as injury may occur.

### Tank Mixtures on Corn

**ERADICANE:** Use in a preplant incorporated tank mixture for control of all weeds claimed on both the SIM-TROL™ 4L and Eradicane labels including partial control (suppression) of shattercane (wild cane). Fluid fertilizer may replace all or part of the water in the spray. Check the physical compatibility of mixture with fertilizer before use. Use a minimum of 20 gals. of spray volume per acre. Refer to the Eradicane label for incorporation directions. Use the higher rate of SIM-TROL™ 4L on fine-textured soil and where heavy broadleaf infestations are expected. Use the higher rate of Eradicane for heavy nutsedge and bermudagrass infestations. For partial control (suppression) of shattercane, broadcast and incorporate immediately before planting 2-4 pts. of SIM-TROL™ 4L plus 7.33 pts. of Eradicane 6.7E (or 8 pts. Eradicane Extra) per acre. For control of the other weeds claimed on both labels, broadcast and incorporate 2-6 pts. of SIM-TROL™ 4L plus 4.75-7.33 pts. of Eradicane 6.7E (or 5.33-8 pts. of Eradicane Extra) per acre. Observe all precautions and limitations on the SIM-TROL™ 4L and Eradicane labels.

**GRAMOXONE SUPER:** Use in a tank mixture where corn will be planted directly in a cover crop, established sod, or previous crop residues. This combination controls existing vegetation and provides residual control of the annual broadleaf and grass weeds listed under General Information.

Add SIM-TROL™ 4L to the spray tank, mix thoroughly with water, and then add Gramoxone Super and a non-ionic surfactant. Provide constant agitation during mixing and application to keep the mixture in suspension.

Apply 4-6 pts. of SIM-TROL™ 4L plus 1.5-2.5 pts. of Gramoxone Super in 20-60 gals. of water per acre as a broadcast spray either before or after planting but before corn emerges. Add a nonionic surfactant at the rate of 0.5 pt. per 100 gals. of spray volume.

For further information, see general information, caution and warning statements, precautions, and notes on the SIM-TROL™ 4L and the Gramoxone Super labels.

\*Based on a product containing 1.5 lbs. Gramoxone Super cation per gal.

### NURSERIES, CHRISTMAS TREE PLANTINGS, SHELTER BELTS

**NURSERIES** (See list below): Apply 2-3 Qts. in at least 25 gals. water per acre in fall or spring at least one year after transplanting.

**CHRISTMAS TREE PLANTING AND SHELTER BELTS** (See list below): Remove weed growth before application. Apply 2-4 Qts. in at least 25 gals. of water per acre after transplanting. Use the same rate for annual maintenance applications.

For quackgrass control apply 4 Qts. per acre in the fall or apply a split application of 2 Qts. per acre in the fall plus 2 Qts. per acre in early spring, after quackgrass begins growth.

In California, Oregon, and Washington do not apply to Christmas trees or shelterbelts sooner than one year after transplanting.

**PRECAUTIONS:** 1) Do not use SIM-TROL™ 4L on seedbeds or cutting beds. 2) Do not apply to Christmas tree or shelter belt transplants less than three years of age. 3) Do not apply more than once a year, except as directed for quackgrass control.

Apply SIM-TROL™ 4L to these species of trees and shrubs, as recommended above:

American elm	coloneaster	red cedar	red oak
Austrian pine	dogwood	Scotch pine	red pine
arborvitae	Douglas fir	Siberian elm	(Norway pine)
balsam fir	honey locust	Fraser fir	white ash
barberry	juniper	hemlock	(except CA)
blue spruce	Mugho pine	red spruce	white cedar
boxelder	Norway spruce	Russian olive	white pine
bush honeysuckle	Oregon grape	red maple	white spruce
caragana	(Mahonia spp.)	sugar maple	yew (Taxus spp.)
		(except CA)	

\* Note: Do not use on sugar maple trees intended for syrup production.

# TURF GRASSES FOR SOD (For Florida Only)

St. Augustine, Centipede, and Zoysia Grass: Apply 2-4 Qts. per acre according to soil texture as indicated below.

Muck or Peat	4 Qts.	Old beds: within 2 days after lifting of sod
		New beds: 3 — 4 days after sprigging or plugging
Sandy soil	2 Qts.	beds: within 2 days after lifting of sod
		New beds: 7 — 10 days after sprigging or plugging

Apply an additional 2 Qts. on muck or peat, or 1 Qt. on sandy soil if weed growth recurs.

PRECAUTIONS: 1) Do not apply within 30 days before cutting or lifting.

## TURF GRASS FOR FAIRWAYS, LAWNS, SOD PRODUCTION\* AND SIMILAR AREAS

\* In states other than Florida: Bermudagrass, Centipedegrass, St. Augustinegrass, and Zoysia Grass.

Apply SIM-TROL™ 4L after September 1 (after October 1 for annual bluegrass) before emergence of winter annual weeds. SIM-TROL™ 4L will control annual bluegrass, burclover, lawn burweed, common and mouseear chickweed, corn speedwell, henbit, hop clover, spurweed and parsley-piert. For control of summer annual weeds listed in the General Information section of this label, apply SIM-TROL™ 4L in late winter before the weeds emerge. Apply in a minimum of 15 gallons of water per acre. Irrigate with ½ inch of water if rainfall does not occur within 10 days after preemergence treatment.

Where annual bluegrass is the major weed, use 1 Qt. of SIM-TROL™ 4L per acre. Use 2 Qts. per acre for control of other weeds. However, do not exceed 1 Qt. per acre per treatment on newly sprigged Turfgrass or on hybrid bermudagrass such as Tiflawn, Tifway and Ormond.

For control of summer annuals which emerge after the initial application, apply an additional 1 Qt. per acre at least 30 days after the initial application, but not after June 1. Do not make more than two applications per year.

PRECAUTIONS: On newly sprigged turfgrass, hybrid bermudagrass, non-dormant bermudagrass, or nondormant Zoysia grass, temporary slowing of growth and yellowing may occur following application. To avoid turf injury, (1) use only on turfgrass

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reasonably free of infestations of insects, nematodes and diseases. (2) Do not use on golf greens. (3) Do not use north of North Carolina, (except may be used in Virginia coastal plains) or west of Highway 281 in Texas and Oklahoma. (4) Do not use on muck or alkaline soils. (5) Do not apply over the rooting area of trees or ornamentals not listed on this label. (6) Do not seed or overseed with desirable turfgrass within 4 months before or 6 months after treatment. (7) Do not apply this product on newly seeded grasses until they have over-wintered and have a well-developed rhizome system. (8) Do not exceed 2 Qts. SIM-TROL™ 4L per acre within 12 months of seeding grasses.

Do not graze or feed turf clippings to animals.

## NOTICE OF WARRANTY

OXON ITALIA warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of OXON ITALIA. In no case shall OXON ITALIA be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. OXON ITALIA MAKES NO WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

Bromacil — Trademark of E.I. duPont de Nemours & Co. Inc.

Eradicane — Trademark of ICI Agro Chemicals

Evik — Trademark of Ciba-Geigy

Gramoxone Super — Trademark of ICI Americas

Roundup — Trademark of Monsanto Company

Solicam — Trademark of Sandoz Crop Protection

Surflan — Trademark of Dow Elanco Company