

NOT AVAILABLE COPY

Wash sprayer thoroughly with clean water immediately after use.

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

Apply this product only as specified on this label. Do not use on any crop in Kern County, California.

Add SIMAZINE 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 SIMAZINE 4L in 50-60 gals. of water per acre.

For aerial application, use a minimum of one gal. of water for each 1 Qt. of SIMAZINE 4L per acre, unless specified otherwise.

FRUIT AND NUT GROVES: Apply the spray to the orchard or vineyard floor avoiding contact with fruit, foliage or stems. Make application only in 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 around trees in 8"-12" set planting, reduce the broadcast rate of SIMAZINE 4L and water per acre in proportion to the area actually sprayed.

APPLES, PEARS, BERRY CROPPERS: Apply 2-4 Qts. per acre.

AVOCADO: California only. Apply 2-4 Qts. per acre after final preparation of grove. Precaution: Do not apply to sandy soil.

BLUEBERRIES AND CRANBERRIES: (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 8 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 spray when fruit is present.

CRANBERRIES: Massachusetts: Apply up to 4 Qts. per acre after 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.

PRECAUTIONS: 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.

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

GRAPEFRUIT, LEMON, ORANGE: California, Arizona (Lemons and Oranges only). Apply a split application of 1.8 Qts. per acre in the spring plus 1.8 Qts. per acre in the fall.

California: Apply 2-4 Qts. per acre. Do not use in the Imperial, Coachella, or Palo Verde Valleys.

Florida (Grapefruit and Oranges only): Apply 6.4-9.6 Qts. per acre in the spring. 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: **NOTE:** Apply 2-4 Qts. in 50 gals. of water per acre before harvest and just prior to seed 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 winter.

PEACHES, PLUMS, SWEET CHERRIES: Apply 2-4 Qts. per acre. Apply in late fall to early spring prior to seed 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 Ill. and states east of the Miss. River except Tenn.

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

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

SIMAZINE 4L plus PARAQUAT CL Tank Mix Combination For Weed Control in Apples, Peaches and Pears

SIMAZINE 4L plus Paraquat CL Tank mix combination is effective in apple, peach and pear orchards for kill of existing vegetation and for residual control of the annual broadcast and grass weeds listed under General Information.

This combination is also effective for top kill and suppression of perennial weeds.

Apply the rates shown in the following table as a tank mix in 50-200 gals. of water per acre to the orchard floor avoiding contact with fruit, foliage or stems.

Apply when the weeds and grasses are succulent and the new growth is from 1-8 inches tall.

Since SIMAZINE enters weeds mainly through their roots, rainfall or irrigation is needed to move it into the root zone.

Crop	Broadcast* SIMAZINE 4L	Rate Per Acre Paraquat CL
Apples	2-4 qts.	1-2 qts.
Pears	1.8-4 qts.	1-2 qts.

* For band applications or spot applications around trees, reduce the broadcast rate and the amount of water in proportion to the area actually sprayed.

** Do not app. to peaches on sandy or gravelly soil. Use on peaches only in Arkansas, Louisiana, Missouri, Oklahoma, Texas and other west of the Mississippi River.

In the table above, use the low rate on coarse-textured soil and low organic matter soil. Use the high rate on fine textured soil and organic matter soil.

PRECAUTIONS: 1) Make only one application per year. 2) Make applications only in orchards or groves where trees have been established one year or more. 3) Do not spray under windy conditions and use a shield for young trees.

NOTE: Do not allow animals to graze treated areas.

SIMAZINE 4L plus PARAQUAT CL Tank-Mix Combination for Weed Control in Almonds

SIMAZINE 4L plus Paraquat CL tank mix combination is effective on almonds for kill of existing vegetation and for residual control of the annual broadcast and grass weeds listed under general information.

This combination is also effective for top kill and suppression of perennial weeds.

Apply the rate shown in the following table as a tank mix in 50-200 gallons of water per acre to the orchard floor avoiding contact with nut, foliage or stems.

Apply when the weeds and grasses are succulent and the new growth is from 1-8 inches tall.

Since SIMAZINE 4L enters weeds mainly through their roots, rainfall or irrigation is needed to move it into the root zone.

ALMONDS: For use in California only.

Crop	Broadcast SIMAZINE 4L	Rate Per Acre Paraquat CL
Almonds***	1-2 qts.	1-2 qts.

*** Do not apply to almonds when nuts are on the ground during the harvest period. Do not treat trees established in the grove less than 3 years. Do not treat Mission variety of almonds. Do not apply to almond trees propagated on plum rootstocks. Do not repeat almonds in treated soil. Do not apply on gravelly, sand or heavy soil or on soil with less than 1% organic matter. Do not treat areas where water will accumulate.

PEACHES: Apply the rate in the following table before weeds emerge in the spring.

Soil Texture	Rate Per Acre
Sandy, heavy sand	Do not use
Lean or clay soil:	
Low in organic matter	2-3 qts.
Low soil high in organic matter	2-3 qts.

PRECAUTIONS: Do not use west of the Peace River in Texas or in New Mexico, Arizona or California. Do not make applications in transplanted trees that have been established less than two years in the grove or injury may occur.

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

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

Pre-emergence: Apply before weeds and corn emerge. Use the appropriate rate in the table below. Pre-plant: 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 lined or worked after application, avoid deep incorporation of SIMAZINE 4L. Best results will be obtained when SIMAZINE 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 the 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 SIMAZINE 4L to corn in any one year. 2) Land treated with SIMAZINE 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 SIMAZINE 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 SIMAZINE 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 SIMAZINE 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 Dakota, Nebraska, and Kansas, do not plant soybeans following corn treated with SIMAZINE 4L if more than 2 Qts. of SIMAZINE 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 SIMAZINE 4L application as injury may occur.

SIMAZINE 4L Plus ATRAZINE 4L Tank-Mix Combination for Weed Control in Corn

The tank-mix combination of SIMAZINE 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 broadcast and grass weeds including fat spindles, crabgrass, barnyardgrass, foxtail, velvetleaf, carpetweed, barnyardgrass, lambsquarters, pigweed and ragweed.

Preplant Application: Apply the tank mixture as a broadcast treatment in the spring 6 to 8 weeks before harvest, during, or after final seedbed preparation.

If soil is lined or worked after application, avoid deep incorporation of SIMAZINE 4L plus ATRAZINE 4L. Best results will be obtained when the tank mix is applied within two weeks before planting.

Pre-emergence Application: Apply the tank mixture during or shortly after planting.

Soil	Preplant and pre-emergence broadcast rates in 10-40 gals. of water per acre	
	SIMAZINE 4L	ATRAZINE 4L
Coarse-textured soil: sand, heavy sand, sandy loam	1 Qt.	1 Qt.
Medium-textured soil: silt loam and clay loam low in organic matter	1.2 Qts.	1.2 Qts.
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 Qts.	1.5 Qts.

SUGARCANE: Apply 2-4 Qts. per acre at planting or after harvest if ratoon crop is to be grown, but before weeds or sugarcane emerge. SIMAZINE 4L may also be applied in-line directed or over the sugarcane to provide continuing control of germinating weeds.

PRECAUTIONS: 1) Do not apply more than one 2-4 Qts. application over the plants or more than two in-line directed applications. 2) Do not apply after "close-in". 3) Total application should not exceed 10 Qts. per acre crop cycle.

NOTE: Do not feed or graze treated forage to livestock.

MURDERER, CHRISTMAS TREE PLANTINGS, SHELTER BELTS

MURDERER: (See List Below): Apply 2-3 Qts. in at least 25 gals. water per acre in fall or spring of least one year after transplanting.

CHRISTMAS TREE PLANTINGS AND SHELTER BELTS: (See list below): Remove weed growth before application. Apply 2-4 Qts. in at least 25 gallons 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 shelter-belts sooner than one year after transplanting.

PRECAUTIONS: 1) Do not use 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 SIMAZINE 4L to these species of trees and shrubs, as recommended above:

American elm	caragana	Oregon grape	Russian olive
Australian pine	cottonwood	(Mahonia spp.)	red oak
arbutus	dogwood	red cedar	red pine
balsam fir	Douglas fir	Scotch pine	(Norway pine)
blueberry	honey locust	Siberian elm	white cedar
blue (privet)	juniper	Fraser fir	white pine
buckeye	larch	hemlock	white spruce
bush honeysuckle	Norway spruce	red spruce	yew (Taxus spp.)

TUNE BRASSES FOR BUD

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