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**IMPORTANT: READ THE ENTIRE CONDITIONS OF SALE AND WARRANTY AND THE DIRECTIONS FOR USE BEFORE USING THIS PRODUCT.**

## CONDITIONS OF SALE AND WARRANTY

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, 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 MIKE, INC. or the Seller. All such risks shall be assumed by the Buyer.

MIKE, INC. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. MIKE, INC. makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall MIKE, INC. or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

## DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

**FAILURE TO FOLLOW PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR WEED CONTROL, AND/OR ILLEGAL RESIDUES.**

## GENERAL INFORMATION

Apply Simazine 4G herbicide before weeds emerge or following removal of weed growth. Simazine controls a wide variety of annual broadleaf and grass weeds when used at selective rates in agricultural crops and ornamental plantings. When used at high  $\gamma$ , nonselective rates in noncrop areas, it also controls many perennial broadleaf and grass weeds.

Since Simazine enters weeds mainly through their roots, moisture is needed to move it into the root zone. Very dry soil conditions and lack of rainfall following application may necessitate shallow cultivation.

## RESTRICTED USE PESTICIDE

For retail sale to and application only by certified applicators or persons under their direct supervision.

# SIMAZINE 4G

## Granular Herbicide

For weed control in certain crops, ornamental plantings, on industrial sites, and around-the-farm. Simazine 4G is a granular herbicide

### Active Ingredient:

Simazine: 2-chloro-4,6-bis (ethylamino)-s-triazine 4%

Inert Ingredients: 96%

Total: 100%

## CAUTION - Keep Out of Reach of Children

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MANUFACTURED BY

**MIKE, INC.**

Newland, North Carolina 29657

50 Pounds Net Weight

## STORAGE AND DISPOSAL

Store in a dry place. Do not contaminate water, food, or feed by storage, disposal, or cleaning of equipment. Open dumping is prohibited. Pesticide that cannot be used according to label instructions must be disposed of according to applicable federal, state, or local procedure. Completely empty container by shaking, and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of container in a sanitary landfill or by incineration if allowed by state and local authorities.

## PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals CAUTION

Causes eye irritation. Harmful if swallowed, inhaled, or absorbed through the skin. Avoid breathing dust. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

First Aid: If in eyes, flush with plenty of water. Get medical attention if irritation persists. If on skin, wash with plenty of soap and water. If inhaled, remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth; get medical attention.

## ENVIRONMENTAL HAZARDS

Do not contaminate domestic, livestock, or irrigation water supplies or lakes, streams, or ponds. 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 can contaminate ground water which may be used as drinking water. Simazine has been found in ground water as a result of agriculture use. Users are advised not to apply Simazine where the water table (ground water) is close to the surface and where the soils are very permeable, i.e., well-drained soils such as loamy sands. Your local agricultural agencies can provide further information on the type of soil in your area and the location of ground water.

## NURSERIES, CHRISTMAS TREE PLANTINGS, SHELTERBELTS

Nursery (see list below)

Apply 50-75 lbs. per acre in fall or spring at least one year after transplanting.

Christmas Tree Plantings and Shelterbelts (see list below)

Remove weed growth before application. Apply 50-100 lbs. per acre after transplanting. Use the same rate for annual maintenance applications.

For quackgrass control, apply 100 lbs. per acre in the fall or apply a split application of 50 lbs. per acre in the fall plus 50 lbs. per acre in early spring, after quackgrass begins growth.

**Precautions:** 1) Do not use Simazine 4G on seedbeds or cutting beds. 2) In CA, OR and WA, do not apply to Christmas trees or shelterbelts sooner than one year after transplanting. In other areas, do not apply to Christmas tree or shelterbelt transplants less than three years of age. 3) Do not apply more than once a year, except as directed for quackgrass control.

Apply Simazine 4G to these species of trees and shrubs, as recommended above:

## Conifers

arborvitae  
Austrian pine  
lodgepole pine  
(shore pine)  
Mugho pine  
red pine  
(Norway pine)  
Scotch pine  
white pine  
blue spruce  
Norway spruce  
red spruce  
white spruce  
balsam fir  
Douglas fir  
white fir  
hemlock  
juniper  
red cedar  
white cedar  
yew (Taxus spp.)

## Deciduous Trees and Woody Ornamentals

American elm  
barberry  
boxelder  
bush honeysuckle  
cotoneaster  
dogwood  
eucalyptus  
holly (Ilex spp.)  
(max. 50 lbs./A)  
honeysuckle  
red maple

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## NONSELECTIVE WEED CONTROL ON NONCROP LAND

Apply Simazine 4G at rates recommended below. Use the higher rates on heavy clay and muck soils. Best results are obtained when Simazine 4G is applied before weeds emerge.

Do not contaminate domestic or irrigation water supplies, or lakes, streams, or ponds.

Simazine 4G provides long-term weed control on industrial sites, highway medians and shoulders, railroad rights-of-way, lumberyards, petroleum tank farms, and in noncrop areas on farms, such as around buildings, equipment and fuel storage areas, along fences, roadsides, and lanes. Do not use this product for nonselective weed control on land to be crooped, near adjacent desirable trees, shrubs or plants, or in greenhouses, as injury may occur.

To control most annual broadleaf and grass weeds (such as barnyardgrass, cheatgrass, crabgrass, lambsquarters, foxtail, ragweed, puncturevine, and turkey mullein): Broadcast 250 lbs. per acre.

To control most annual and many perennial broadleaf and grass weeds (including quackgrass, bluegrass, redtop, burdock, Canada thistle, orchardgrass, purple top, smooth brome, dogfennel, and plantain): Broadcast 250-500 lbs. per acre.

To control hard-to-kill perennial weeds (such as bullthistle and sowthistle): Broadcast 500-1,000 lbs. per acre.

For longer residual control in regions of high rainfall and a long growing season: Broadcast 500-1,000 lbs. per acre.

For small areas, 5 3/4 lbs. per 1,000 sq. ft. is equivalent to 250 lbs. per acre.

## FRUIT CROPS

### Blueberries

Apply 50-100 lbs. per acre in the spring before bud break and weed emergence, or apply a split application of 50 lbs. per acre in the spring before bud break and weed emergence, and 50 lbs. per acre in the fall. On plantings less than 6 months old, use 1/2 the above rate.

To control quackgrass, apply 100 lbs. per acre in the fall or split the application, applying 50 lbs. per acre in the fall and 50 lbs. per acre in the early spring, when quackgrass is actively growing and before bud break. Note: Do not apply when fruit is present.

Cranberries: i.e., blackberries, boysenberries, loganberries, raspberries

Apply 50-100 lbs. per acre in the spring before bud break and weed emergence. On plantings less than 6 months old, use 1/2 the above rate.

To control quackgrass, apply 100 lbs. per acre in the fall or split the application, apply 50 lbs. per acre in the fall and 50 lbs. per acre in the early spring when quackgrass is actively growing.

Note: Do not apply when fruit is present.

Massachusetts: Apply up to 100 lbs. per acre either in the spring before cranberry growth or in the fall after harvest.

Other areas: Apply 50 lbs. per acre in the spring before new cranberry growth.

### Grapefruit and Oranges

Florida: Apply 160-240 lbs. per acre in the spring (March or April) prior to weed emergence. Repeat annually.

Texas: Apply 100-125 lbs. per acre in the spring prior to weed emergence. Repeat annually.

**Precautions:** 1) Do not use in nurseries. 2) Do not apply to hedged citrus. 3) Use only where trees have been established in the grove for one year or more. 4) Do not apply to trees under stress from freeze damage for one year after the freeze to avoid possible injury. 5) Avoid contact with fruit, foliage, and stems.

## NO. 1 SERIES, CHRISTMAS TREE PLANTINGS, SHELTERBELTS

Nurseries (see list below)

Apply 50-75 lbs. per acre in fall or spring at least one year after transplanting.

Christmas Tree Plantings and  
Shelterbelts (see list below)

Remove weed growth before application. Apply 50-100 lbs. per acre after transplanting. Use the same rate for annual maintenance applications.

For quackgrass control, apply 100 lbs. per acre in the fall or apply a split application of 50 lbs. per acre in the fall plus 50 lbs. per acre in early spring, after quackgrass begins growth.

**Precautions:** 1) Do not use Simazine 4G on seedbeds or cutting beds. 2) In CA, OR, and WA, do not apply to Christmas trees or shelterbelts sooner than one year after transplanting. In other areas, do not apply to Christmas tree or shelterbelt transplants less than three years of age. 3) Do not apply more than once a year, except as directed for quackgrass control.

Apply Simazine 4G to these species of trees and shrubs, as recommended above:

### Conifers

arborvitae  
Austrian pine  
\*Bishop pine  
\*knobcone pine  
lodgepole pine  
(shore pine)  
\*Monterey pine  
Pugho pine  
red pine  
(Norway pine)  
Scotch pine  
white pine  
blue spruce  
Norway spruce  
red spruce  
white spruce  
balsam fir  
Douglas fir  
Fraser fir  
white fir  
hemlock  
juniper  
red cedar  
white cedar  
yew (Taxus spp.)

### Deciduous Trees and Woody Ornamentals

American elm  
Siberian elm  
barberry  
boxelder  
bush honeysuckle  
caragana  
cotoneaster  
dogwood  
eucalyptus  
holly (Ilex spp.)  
(max. 80 lbs./A)  
honey locust  
Oregon grape  
(Mahonia spp.)  
Pieris spp.  
(max. 80 lbs./A)  
red oak  
Russian olive  
\*oleander  
\*palm (50 lbs./A)  
\*hottle brush  
\*carob

\*For California only

## TREE SEEDLINGS IN NORTH CENTRAL U.S.

Broadcast 50-100 lbs. per acre before or after transplanting the species listed below, but before weeds emerge or following removal of weed growth. Do not use on seed nurseries or injury may occur. Apply only once per year. For band or spot treatments use a proportionate amount of herbicide. Use on the following species of trees:

|                   |                        |
|-------------------|------------------------|
| American beech    | red oak                |
| balsam fir        | red pine (Norway pine) |
| black locust      | red spruce             |
| black walnut      | Russian olive          |
| caragana          | Scotch pine            |
| dogwood           | sweetgum               |
| eastern red cedar | white ash              |
| honey locust      | white cedar            |
| maple             | white oak              |
| Norway spruce     | white pine             |
| pecan             | white spruce           |

## TURFGRASS FOR FAIRWAYS, LAWNS, AND SIMILAR AREAS

Bermudagrass, Centipedegrass, St. Augustinegrass, and Zoysia Grass

Apply Simazine 4G after October 1 before emergence of winter annual weeds for control of annual bluegrass, burclover, carpet burweed, chickweed, corn speedwell, henbit, hop clover, and spurweed. Simazine 4G will control annual bluegrass even if it is emerged at time of treatment. For control of summer annual weeds listed in the General Information section of this label, also apply Simazine 4G late winter before the weeds emerge.

Where annual bluegrass is the major weed, use 25 lbs. of Simazine 4G per acre (9 oz. per 1,000 sq. ft.). Use 50 lbs. per acre (18 oz. per 1,000 sq. ft.) for control of the other weeds named above. Do not exceed 2 lbs. per acre per treatment on newly sprigged turfgrass or on hybrid bermudagrass such as Tiflawn, Tifway, and Ormond.

For continued summer annual weed control, apply another 25 lbs. per acre at least 30 days after the previous application, but not after April 15. However, do not make more than two applications of this product per year.

**Precautions:** To avoid injury, use only on turfgrass reasonably free of infestations of insects, nematodes, and diseases. Do not use on golf greens. Do not use north of North Carolina or west of the high rainfall areas of eastern Texas. Do not use on much or alkaline soils. Do not apply over the rooting area of trees or ornamentals not listed on this label. On newly sprigged turfgrass, temporary slowing of growth may follow application. On hybrid bermudagrass, temporary yellowing may occur. Do not overseed with desirable turfgrass within 4 months before or 6 months after treatment.

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