1 of 2
PM 23
7001-185

RESTRICTED USE PESTICIDE

FOR RETAIL SALE TO AND APPLICATION ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION.

SIMAZINE 80 WP

ACTIVE INGREDIENTS: BY WT.
Simazine [2-chloro-4,6-bis (ethylamino) - s - triazine] 80%
INERT INGREDIENTS 20%
TOTAL 100%

EPA Reg. No. 7001-185-AA
EPA Est. No. 7001-CA-1

KEEP OUT OF REACH OF CHILDREN

CAUTION

Harmful if swallowed. Avoid breathing of dust. Do not get in eyes, on skin or on clothing. Avoid contamination of feed or foodstuffs. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using toilet facilities. Remove and launder clothing before reuse. Avoid prolonged inhalation of dust or spray mist. Avoid prolonged or repeated contact with skin.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED - Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.

IF INHALED remove victim to fresh air.
IF ON SKIN wash with soap and water. Get medical attention if irritation persists.
IF IN EYES flush with water for at least 15 minutes and get medical attention.

ENVIRONMENTAL HAZARDS

Do not apply directly to water or wetlands. Runoff or unfavorable water by-products may be toxic to aquatic forms of invertebrates. Simazine is known to leach through soil and has been found in groundwater in areas of high natural soil uptake. Users are advised not to apply in areas of excessively permeable soils or where the water table is shallow. Also, particularly those commonly having extensive drainage systems underneath, consult with the pesticide state lead agency for information regarding soil permeability and water hazards in your area.

CHEMICAL HAZARDS

Avoid application under conditions where uniform coverage cannot be obtained or where excessive spray drift may occur.

RE-ENTRY STATEMENT

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not enter treated areas without protective clothing until sprays have dried.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written and oral warnings must include the following information: "CAUTION" Area treated with SIMAZINE 80 WP on (date of application). Do not enter without appropriate protective clothing until sprays have dried.

REQUIRED PROTECTIVE CLOTHING: Long sleeve shirt, long trousers and impermeable gloves.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

STORAGE: Store in a cool, dry area.
DISPOSAL: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning in your yard, away out of smoke.

GENERAL INFORMATION

Simazine 80 WP 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 labeled rates in agricultural crops and ornamental plantings. When used at higher recommended rates it can also control many perennial broadleaf and grass weeds.

Since it is mainly weeds readily 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 immediately shallow germination.

It controls most annual broadleaf and grass weeds such as: Amaranthus spp. Annual Bluegrass, Annual Morningglory, Annual Ryegrass, Barnyardgrass (Watergrass), Bassia spp. Carpetweed, Cocklebur, Common Chickweed, Crabgrass (Digitaria spp.), Downy Brome (Cheat), Fanweed, Fiddleneck, Filaree, Florida Pusley, Foxtails, Goosegrass, Jungleseed, Lambsquarter, Mustard, Nightshade, Pigweed, Prickly Lettuce, Purslane, Ragweed, Russian Thistle, Shepherdspurse, Smartweed, Sowthistle, Speedwell, Spurge, Stinkgrass, Tansymustard, Wild Oats, Wheatgrass.

It is a wettable powder formulation to be mixed with water and applied as a spray. Make a slurry by adding Simazine 80 WP to a small quantity of water. Pour the slurry into the spray tank during or after filling. Sufficient hydraulic (by) or mechanical agitation should be provided during mixing and application to keep the material in suspension.

GROUND APPLICATION: For uniform distribution in broadcast applications, nozzle tips or other low rate of delivery nozzles with capacities of equal or greater rates should be used. For band applications, spray flow rate delivery should be not more than 50 mesh size. A wettable powder with capability to deliver 40-12 gpm should be used and operating pressures should be 30-40 psi. Wash sprayer thoroughly with clean water immediately after use.

AERIAL APPLICATION: Under specific conditions of this label may be found recommendations for aerial applications. In addition to the instructions and spraying precautions noted under the various sections, following should also be observed for aerial applications:

APPLICATION: Applications should be uniform. Over application should cause injury to treated crops or subsequent sensitive crops, trees and vegetation that may affect crops planted to rotation or future crops, and illegal crop residues. Under application can result in poor or spotted control.

Use minimum of one gallon of water for each 1 lb. to 1½ lbs. of wettable powder to be applied per acre. Spraying to insertion as well as those to wetting and to thin shelters should be not less than 50 mesh size. Wash sprayer thoroughly with clean water immediately after use.

SELECTIVE WEED CONTROL: In most cases where a range of rates is given, the lower rate should be used on light soils and soils low in organic matter, the higher rate should be used on heavy soils and soils high in organic matter. For best applications make the amount of Simazine 80 WP and the amount of water per acre by consultation to the area treated. If an acceptable stand is obtained but is more spray planted to reduce 40 lb./acre, apply half the recommended amount of Simazine 80 WP and water per acre. For ground equip, where amount of water is not specified apply 5 to 20 40 gals of water per acre to assure uniform coverage.

FRUIT AND NUT CROPS

RATES ARE GIVEN FOR BROADCAST TREATMENT FOR BAND OR SPOT APPLICATIONS AROUND TREES REDUCE THE BROADCAST RATE PER ACRE AND AMOUNT OF WATER IN PROPORTION TO THE AREA ACTUALLY SPRAYED

USE PRECAUTIONS FOR APPLICATIONS MADE TO FRUIT CROPS IN THE PACIFIC NORTHWEST

Apply Simazine to bearing fruit crops should be made in late fall or early spring. Do not make applications between Mt. Ghost and bloom period prior to application.

SOIL TEXTURE	1 TO 2% ORGANIC	2% OR MORE ORGANIC
Sandy loam	Do not use	1 lb. active/acre
Loam, silt loam, silt	1 - 1.5 lbs. active/acre	1.5 lb. active/acre
Clay loam, silty	2 - 3 lb. active/acre	2 - 3 lb. active/acre

Do not use SIMAZINE on sandy soil with less than 1% organic matter and a pH of 7.0 or above. Low rates of SIMAZINE may not give season long control. SIMAZINE should be used in combination with other soil active herbicides. SIMAZINE should not exceed 1.0 lbs. active ingredient per acre for any combined under application or drip irrigation. Initial irrigation after application should be a maximum of ½ to ¾ inches.

Where evidence of herbicide activity is observed a full year after application a reduced rate is recommended. Severe injury may occur if additional SIMAZINE is applied.

Trees should be established to the orchard for at least one growing season. Trees should not be under stress from disease, insects, improper fertilization or irrigation. Under injury or any factor causing established trees.

Almonds (California Only) For control of Chickweed, Fiddleneck, Filaree, Groundsel, Lambsquarter, Mustard, Pigweed, Pineapple weed, Shepherd's purse and Sow Thistle: Apply 1 to 2 lbs. per treated acre in a 2 to 4 foot band on each side of the tree row before weeds germinate. The lower rate should be used on heavy soils and soils high in organic matter. Do not use on sandy soils or on soils with less than 2% organic matter.

Use only in orchards where the trees have been established and growing for three years or more. Do not apply to nursery stock, or to orchards propagated on plum rootstocks. Do not use where flood or furrow irrigation water would cover treated area.

Excessive rainfall should be used to avoid over application as injury to the trees may occur. Wait one year before replanting into areas in soil that has been treated with SIMAZINE 80 WP.

Apples: Broadcast 2½-5 lbs. per acre. Spray the orchard floor (including soil) with fruit or foliage. Apply only to trees established one year or more. Make only one application per year.

Avocados (California Only) Broadcast 2½-5 lbs. per acre after final preparation of ground. Do not apply to sandy soils. Avoid contact with fruit or foliage. Apply only to trees established one year or more. Make only one application per year.

Blueberries: Broadcast a single application of 2½-5 lbs. per acre in the spring or make a split application broadcasting 2½ lbs. per acre in the spring and 2½ lbs. per acre in the fall. Use a minimum of 40 gals. of water for each application. Avoid contact with foliage. Do not apply when fruit is present. Do not apply within 6 months after plants (from 6 months old) are 1 ½ lbs. per acre. Use a split application broadcasting 2½ lbs. per acre in the fall or split the application broadcasting 2½ lbs. per acre in the fall and 2½ lbs. per acre in the spring when cankerworm is actively growing.

Cranberries (Massachusetts, Rhode Island, Wisconsin, Washington): Broadcast a single application of 2½ - 5 lbs. per acre in the spring or make a split application broadcasting 2½ lbs. per acre in the spring and 2½ lbs. per acre in the fall. Use a minimum of 40 gals. of water for each application. Avoid contact with foliage. Do not apply when fruit is present. On new plantings (less than 6 months old) use ½ the above rate. Cranberries: Control - Apply 5 lbs. per acre in the fall or split the application broadcasting 2½ lbs. per acre in the fall and 2½ lbs. per acre in the spring when cankerworm is actively growing.

Cranberries (Massachusetts Only) Broadcast as in 5 lbs. per acre before spring growth begins or in the fall after harvest. Make when New Massachusetts. Broadcast 2½ lbs. per acre before spring growth. Avoid contact with fruit and foliage.

Filberts (Oregon and Washington Only) - Broadcast 2½ - 5 lbs. per acre in 20-40 gals. of water per acre in the fall or make a split application of 2½ lbs. per acre in the fall and 2½ lbs. per acre in the spring. Apply only to orchards established one year or more. Avoid to orchard floor to avoid contact with trees or foliage. CAUTION: If trees are planted on a hillside, cankerworm and tentative may result from this offering flow of weeds. Do not apply when early pre on the ground during the harvest period. Do not use on sandy soils. Do not apply more than 5 lbs. per acre of SIMAZINE 80 WP per year.

Grapes: Broadcast 2½ - 5 lbs. per acre anytime between harvest and early spring. Do not use in vineyards established less than 3 year. Make only one application per year. Spray the vineyard floor avoiding contact with fruit and foliage.

Grapefruit (California): Broadcast 2½ - 5 lbs. per acre. Do not use in the Imperial, Coachella or Palo Verde Valleys. Broadcast 5 lbs. per acre in the spring. Broadcast 2½ lbs. per acre CAUTION: (California Texas, Florida): Do not use in nurseries. Do not apply to budded grapefruit. Do not apply to trees under stress from disease, damage for one year following the freeze to avoid possible injury. Do not apply to orchard established less than one year. Make only one application per year. Apply to orchard floor avoiding contact with fruit or foliage.

Lemons: Arizona - Make two applications per year. Broadcast 2 lbs. per acre in the spring and 2 lbs. per acre in the fall. California: Broadcast 2½ - 5 lbs. per acre. Do not use in Coachella, Imperial or Palo Verde Valleys. Make only one application per year. Arizona & California - Apply to orchard floor avoiding contact with fruit or foliage. Do not use in nurseries. Do not apply to budded lemons. Do not apply to trees under stress from disease, damage for one year following the freeze to avoid possible injury. Do not apply to orchards established less than one year.

Macadamia Nuts: Broadcast 2½ - 5 lbs in 50 gals. of water per acre before harvest and just prior to weed emergence. Repeat application as necessary, but not more than once per year. Apply to orchard floor during the harvest period. Do not apply to orchards established less than one year. Apply to orchard floor avoiding foliage and nuts.

Olives: Broadcast 2½ - 5 lbs. per acre following grove preparation in the fall. Repeat annually to weed control. Do not apply to orchards established less than one year. Apply to orchard floor avoiding foliage and nuts.

Oranges: Arizona - Make 2 applications per year. Broadcast 2 lbs. per acre in the spring and 2 lbs. per acre in the fall. California: Broadcast 2½ - 5 lbs. per acre. Do not use in the Imperial, Coachella or Palo Verde Valleys. Florida: Broadcast 5 lbs. per acre in the spring. Texas: Broadcast 5 lbs. per acre. CAUTION (ALL AREAS): Do not use in nurseries. Do not apply to budded oranges. Do not apply to trees under stress from disease damage for one year following the freeze to avoid possible injury. Do not apply to orchards established less than one year. Make only one application per year. Apply to orchard floor avoiding foliage and nuts. For California, Texas and Florida make only one application per year.

Pecans: Broadcast 2½ - 5 lbs. per acre. Do not apply to orchards established less than one year. Make application to orchard floor avoiding fruit and foliage. Make only one application per year.

Pistachios: Broadcast 2 - 5 lbs. per acre. Apply to late fall or early spring prior to weed emergence. Do not apply to sandy or gravelly soils. Use only to bearing orchard and all shells to the end of the Mississippi River except Tennessee. Do not apply to orchards established less than one year. Make applications to orchard floor avoiding fruit and foliage. Make only one application per year.

Sour Cherries: Broadcast 2½ - 5 lbs. per acre. Make only one application per year. Apply only to trees established one year or more. Avoid contact with fruit and foliage.

Sweet Cherries: Broadcast 2 - 4 lbs. per acre. Apply in late fall or early spring prior to weed emergence. Make only one application per year. Do not apply to orchards established less than one year. Avoid contact with fruit and foliage. Do not apply to sandy or gravelly soils. Use only in Missouri and all states to the east of the Mississippi River except Tennessee.

Walnuts: Broadcast 2½ - 5 lbs. per acre. Do not apply to sandy soils. Do not apply where nuts are on the ground. Leveling and harvesting operations after application will hasten effectiveness of weed control. Do not apply to orchards established less than one year. Avoid contact with nuts and foliage. Make only one application per year.

FIELD & FORAGE CROPS

Alfalfa: (Established) pure alfalfa stands at least one year old, pure alfalfa stands less than one year old and established alfalfa-orchardgrass mixtures at least one year old.

BROADCAST APPLICATION: Use the broadcast rates listed below and apply in a minimum of 10 gals. of water. Field fertilizer may replace all or part of the water used as a carrier for SIMAZINE 80 WP and spot field fertilizers should not be used when alfalfa is actively growing or injury may occur.

AERIAL APPLICATION: Use the rates listed below and apply in a minimum of 3½ gals. of water per acre.

Region	Weeds Controlled	Soil Type	Rate of Simazine 80 WP Per Acre
Washington, Oregon, Nevada, Utah, Idaho, Montana, Wyoming, Colorado and the California counties of Modoc, Siskiyou and Del Norte	Annual grasses, annual broadleaf weeds, common chickweed, annual bluegrass, annual ryegrass, annual sowthistle, annual nettle, annual lettuce, annual sowthistle	Sandy and loamy sands	DO NOT USE
		Sandy loam	1 lb.
		Loam, silt loam, silt	1 - 1.5 lbs.
		Clay, silty	1½ - 2 lbs.
N. Illinois, S. Dakota, Minnesota, Wisconsin, Michigan, Maine, Vermont, New York	Annual grasses, annual broadleaf weeds, common chickweed, annual bluegrass, annual ryegrass, annual sowthistle, annual nettle, annual lettuce, annual sowthistle	Sandy and loamy sands	DO NOT USE
		Sandy loam	1 lbs.
		Loam, silt loam, silt	1.5 lbs.
		Clay, silty	2 lbs.
Illinois, Indiana, Ohio, Kentucky, Virginia, Pennsylvania, New Jersey, Delaware, Maryland, West Virginia, Tennessee, Kansas, Missouri, Connecticut, Rhode Island, Massachusetts, New Hampshire, Rhode Island, Vermont	Annual grasses, annual broadleaf weeds, common chickweed, annual bluegrass, annual ryegrass, annual sowthistle, annual nettle, annual lettuce, annual sowthistle	Sandy and loamy sands	DO NOT USE
		Sandy loam	1 lb.
		Loam, silt loam, silt	1½ lbs.
		Clay, silty	2 lbs.

ACCEPTED
MAY 29 1985
Under the Federal Insecticide, Fungicide, and Rodenticide Act for the pesticide registered under EPA Reg. No. 7001-185

NURSERIES, CHRISTMAS TREE PLANTINGS, SHELTER BELTS

TURF GRASSES FOR SOD

VEGETABLE CROPS

NONSELECTIVE WEED CONTROL ON NONCROP LAND