

PM 23

34704-687

Page 178
file



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

MAR 22 1994

William M. Mahlborg
WILLIAM M. MAHLBURG
AGENT FOR: PLATTE CHEMICAL CO., INC.
- BOX 667
GREELEY, CO 80632

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 11/10/93 in Response to PR Notice 93-7
EPA Reg. No. 34704-687
ACETO SIMAZINE 4L FLOWABLE HERBICIDE

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

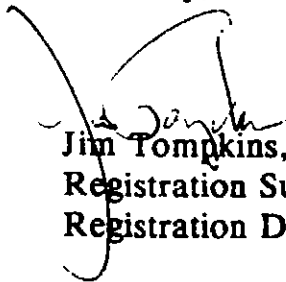
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

William M. Mahlburg
WILLIAM M. MAHLBURG
AGENT FOR: PLATTE CHEMICAL CO., INC.
- BOX 667
GREELEY CO 80632

Comment for: EPA Reg Nr.34704-687
ACETO SIMAZINE 4L FLOWABLE HERBICIDE

The following specific comments pertain to your WPS labeling submission concerning the product cited above:

User Safety Recommendations must either be placed in a box or printed on the label in a contrasting color from surrounding text.

The headgear requirement for "applicators and other handlers" in the "Personal Protective Equipment" section on your proposed labeling is missing or incorrect. Remove the incorrect requirement (if any) and add "Chemical-resistant headgear for overhead exposure". The exact location is shown in Sections A and B on Part I of the Product Worksheet in Supplement Three-A to PR Notice 93-7.

Remove the statement "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." from its current position within the Agricultural Use Box and place it above the Agricultural Use Box.

4 7 18



SIMAZINE 4L

FLOWABLE HERBICIDE

PROPOSED LABEL

ACCEPTED WITH COMMENTS In EPA Letter Dated MAR 2 2 1994

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

See Below for Additional Precautionary Statements.

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.

Shake well before using.
EPA REG. NO. 34704-687

EPA EST. NO. _____

NET CONTENTS _____ GALLONS

3377

EXP07P02

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND 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. Wash thoroughly after handling. 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

Applicators and other handlers must wear: Long sleeved shirt and long pants with cuffs. Closed-toe shoes with socks. Protective eyewear. Protective gloves. Protective headgear and footwear. If no such protection is available, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering control statements

When handling or applying, avoid breathing dusts or mists. Use appropriate engineering controls to reduce exposure to dusts or mists. Use the lowest feasible breathing protection (N95 or higher) and eye protection (goggles or face shield) when handling or applying. The kind of protection required may vary depending on the application to 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 pull on clean clothing.
Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change clothes and shoes.

ENVIRONMENTAL HAZARDS

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high tide 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 can contaminate ground water which may be used as drinking water. Simazine has been found in ground water as a result of agricultural 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, such as well-drained soils such as loamy sands. Your local agricultural agency can provide further information on the type of soil in your area and the location of ground water.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
Many requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with the directions on the label. Do not apply this product to areas where the water table is close to the surface and where the soils are very permeable, such as well-drained soils such as loamy sands. Your local agricultural agency can provide further information on the type of soil in your area and the location of ground water.
Do not apply to areas where surface water is present or to intertidal areas below the mean high tide mark.
Do not apply to areas where the water table is close to the surface and where the soils are very permeable, such as well-drained soils such as loamy sands. Your local agricultural agency can provide further information on the type of soil in your area and the location of ground water.
Do not apply to areas where the water table is close to the surface and where the soils are very permeable, such as well-drained soils such as loamy sands. Your local agricultural agency can provide further information on the type of soil in your area and the location of ground water.

NON-AGRICULTURAL USE REQUIREMENTS

The directions on the label apply to uses of this product that are not listed on the label. Do not use this product in any manner inconsistent with the label. Do not use this product in any manner inconsistent with the label. Do not use this product in any manner inconsistent with the label.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal. Do not store under conditions which might adversely affect the container or its ability to function properly. Such conditions include, but are not limited to position of the container in storage, storage temperature, potential for crushing or damage due to stacking, and penetration of moisture.
STORAGE: Store in a safe manner. Store in original container only. Store in cool, dry place. Reduce stacking height where local conditions, such as humidity or pallet overhang can affect package strength.

BEST AVAILABLE COPY

SIMAZINE 4L

EPA REG. NO. 34704-687

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide and Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

GENERAL INFORMATION

SIMAZINE 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. When used at higher, non-selective rates in crop areas. It also controls many perennial broadleaf and grass weeds.

Since SIMAZINE 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.

SIMAZINE 4L controls most annual broadleaf and grass weeds such as:

Amaranthus	Downy Brome (Cheat)	Purslane
Annual Bluegrass	Fireweed	Ragweed
Annual Morningglory	Flora's Paintbrush	Rattail Fescue
Annual Ryegrass	Florida Pusley	Russian Thistle
Barryardgrass	Foxtails	Shepherdspurse
(Watergrass)	Goosegrass	Shieldscrees
Brachiaria spp.	Junglerice	Silver Hairgrass
Carelessweed	Lambsquarters	Smartweed
Carpetweed	Mustard	Spanish Needles
Common Chickweed	Nightshade	Tansymustard
Crabgrass (Digitaria spp.)	Pigweed	Wild Oats
	Prickly Lettuce	Wiregrass
		Witchgrass

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

SIMAZINE 4L is a flowable formulation to be mixed with water and applied as a spray. Add SIMAZINE 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.

Shake well before using.

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 50 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.

Avoid application directly to animals or humans.

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.

Aid 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 20-40 gals. of water per acre.

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

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 around trees in fruit or nut plantings, reduce the broadcast rate of SIMAZINE 4L and water per acre in proportion to the area actually sprayed.

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

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

BLUEBERRIES AND CANEBERRIES: (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 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.

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 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.

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.

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 broadleaf 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 1-6 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		
Pears	2-4 qts.	1-2 qts.
Peaches**	1.6-4 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 apply to peaches on sandy or gravelly soil. Use on peaches only in Arkansas, Louisiana, Missouri, Oklahoma, Texas and states east of the Mississippi River.

BEST AVAILABLE COPY

5 7 8

SIMAZINE 4L

EPA REG. NO. 34704-687

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 combinations is effective on almonds for kill of existing vegetation and for residual control of the annual broadleaf 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 1-6 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 replant almonds in treated soil. Do not apply on gravelly, sand or loamy soil or on soil with less than 1% organic matter. Do not treat areas where water will accumulate.

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

Soil Texture	Rate Per Acre
Sand, loamy sand	Do not use
Loam or clay soil: low in organic matter	2-3 qts.
Clay soil high in organic matter	3 qts.-1 gal.

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

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

FIELD CROPS

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.

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 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 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 Dakotas, 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 broadleaf and grass weeds including fall panicum, crabgrass, barnyardgrass, foxtail, velvetleaf, carpetweed, morningglory, 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 SIMAZINE 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 Texture	Preplant and pre-emergence broadcast rates in 10-40 gals. of water per acre	
	SIMAZINE 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 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.

CORN-CHEMIGATION

APPLY PREPLANT OR PREEMERGENT TO CROP AND WEEDS.

Do not apply this product preplant incorporated 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. In the High Plains and Intermountain areas of the West where rainfall is sparse and erratic or where irrigation is required, use this product to control weeds in corn only when corn is to follow corn, or a crop of untreated corn is to precede another rotational crop.

Apply this product only through sprinkler, including center pivot, lateral move, end row, side (wheel) roll, traveler, big gun, solid set, or hand move irrigation system(s). Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.

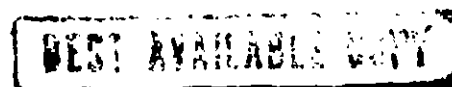
If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

Note: Platte Chemical Co. does not encourage connecting chemigation systems to public water supplies. The following information is provided for users who have diligently considered all other application and water supply options before electing to make such a connection.

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15



XP

7 7 8

SIMAZINE 4L

EPA REG. NO. 34704-687

service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

SPRINKLER CHEMIGATION

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Mix in clean supply tank the recommended amount of this product for acreage to be covered, and needed quantity of water.

This product should not be tank-mixed with other pesticides, surfactants or fertilizers unless prior use has shown the combination noninjurious under your conditions of use.

Follow precautionary statements and directions for all tank-mix products.

Provide constant mechanical agitation in supply tank to keep this product suspended throughout application operations.

Use sufficient gallonage of water to obtain thorough and uniform coverage, but not cause runoff or excessive leaching. This will vary depending on equipment, pest problem and stage of crop growth. Application of more or less than optimum quantity of water may result in decreased chemical performance, crop injury or illegal pesticide residues. As a guide, 1/2 to 1 acre inch of water is suggested.

Meter this product into the irrigation water uniformly during the period of operation.

Do not overlap application. Follow recommended label rates, application timing, and other directions and precautions for corn.

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 interline-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 interline-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.

NURSERIES, CHRISTMAS TREE PLANTINGS, SHELTER BELTS

NURSERIES (See List Below). Apply 2-3 qts. in at least 25 gals. of 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 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 SIMAZINE 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 SIMAZINE 4L to these species of trees and shrubs, as recommended above:

American elm	dogwood	Siberian elm
Austrian Pine	Douglas fir	Fraser fir
arborvitae	honey locust	hemlock
balsam fir	juniper	red spruce
barberry	Mugho pine	Russian olive
blue spruce	Norway spruce	red oak
boxelder	Oregon grape	red pine (Norway pine)
bush honeysuckle	(Mahonia spp.)	white cedar
caragana	red cedar	white pine
coltsfoot	Scotch pine	white spruce
		yew (<i>Taxus</i> spp.)

TURF GRASSES FOR SOD

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.	Old 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. 2) Do not use north of North Carolina.

VEGETABLE CROPS

ASPARAGUS (Established): Apply 2-4 qts. per acre to beds established one year or more. Apply once per year either after disking in the spring before weeds emerge, or following harvest after removal of existing weed growth. Spring application must be made at least 3 days before first cutting.

PRECAUTIONS: (Washington and Oregon only): 1) Do not use on sand, loamy sand, or gravelly areas of fields as crop injury may occur. 2) Do not allow irrigation water to stand or form pools in the field as injury may occur.

ARTICHOKES: Apply 2-4 qts. per acre as directed spray after the last fall tillage.

PRECAUTIONS: 1) Do not apply to sandy soil. 2) Apply only once per year.

NONSELECTIVE WEED CONTROL ON NONCROP LAND

Do not use this product for nonselective weed control on land to be cropped, near adjacent desirable trees, shrubs, or plants or in greenhouses, as injury may occur.

Best results are obtained when SIMAZINE 4L is applied before weeds emerge. If weed growth has begun and removal is not feasible, include a contact or translocated herbicide in the spray.

SIMAZINE 4L can be used to provide long-term weed control on industrial sites, highway medians and shoulders, railroad rights-of-way, lumber yards, petroleum tank farms, and in noncrop areas on farms, such as around buildings, equipment and fuel storage areas, along fences, roadsides and lanes. Aerial applications may be made where it is feasible.

Use at least 1 gallon of water for each 25.6 oz. of SIMAZINE 4L; use more water if practical for both ground and aerial applications.

To control annual broadleaf and grass weeds (including barnyardgrass, cheat, crabgrass, lambsquarters, foxtail, ragweed, puncturevine, and turkey mullein) apply 4.8-10 qts. per acre.

To control most annual and many perennial broadleaf and grass weeds (including quackgrass, bluegrass, reedtop, burdock, Canada thistle, orchardgrass, purpletop, smooth bromo, dogfennel, and plantain) apply 2.5-5 gallons per acre.

To control hard-to-kill perennial weeds (including bullthistle and sowthistle) apply 5 gallons per acre.

BEST AVAILABLE COPY

SIMAZINE 4L

8 7 8

EPA REG. NO. 34704-687

For longer residual control in regions of high rainfall and long growing season, apply 5-10 gallons per acre.

NOTICE OF WARRANTY

PLATTE WARRANTS THAT THIS PRODUCT CONFORMS TO THE CHEMICAL DESCRIPTION ON THE LABEL THEREOF AND IS REASONABLY FIT FOR THE PURPOSES STATED ON SUCH LABEL ONLY WHEN USED IN ACCORDANCE WITH THE DIRECTIONS UNDER NORMAL USE CONDITIONS. IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE 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 PLATTE. IN NO CASE SHALL PLATTE 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. EXCEPT AS EXPRESSLY PROVIDED HEREIN, PLATTE MAKES NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EITHER EXPRESSED OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE.

FORMULATED FOR
PLATTE CHEMICAL CO.

150 SO. MAIN STREET FREMONT, NEBRASKA 68025-5697

