

Drexe

Simazine 4L

Herbicide

Pre-emergence control of mariy annual broadleaf weeds and grasses in agricultural and ornamental crope.

ACTIVE INGREDIENT:

(Simazine: 2-chloro-4,6-bis(ethy@mine)

e-triazine)*

TOTAL

. 60% . 100% .

40%

*Simezine 4L contains A the active ingradient per palico

Keep Out Of The Reach OLChildren CAUTION

EPA Registration Number 19713-60

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND EXCRESTIC ANIMALS CAUTION: HARMFUL IF SWALLOWER, initial Breaking of Spray. Avaid Contact with Skin and Eyes, Wear regular long-slowed work childing Change to close clothing duity. Weak hands and foce before seeing. Weak thoroughly after handles.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being brested must be vecased by unprotected nerroom.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Pulson Control Conter. Drink 1 or 2 glasses of water and induce ventiling by trucking back of threat with finger. Do not induce ventiling or give anything by mouth to an unconeclinal person. If SPLASHED IN EYES: Immediately flush eyes with plenty of water for at beart 15 minutes and get medical attention.

IF SPILLED ON SIGN: Immediately remove contaminated circling. INCLUDING SHOES, and weak shin with very and plenty of veter. If irritation develops, send for a physician.

ENVIRONMENTAL HAZARDS

Similar in a chamical which can bravel (seep or leach) through sail and enter groundwater which may be used as dividing water. Similar has been found in groundwater as a result of its use as a harticide. Users of this product are advised out to apply similar where the water table (groundwater) is close to the surface and where the soils are very pureable, i.e., well defined sells such as learny sends. Users are advised to consult with their total agricultural agencies to obtain information on the location of groundwater and the type of sell in their area. Do not apply directly to to the waters. Do not contaminate water by obsaring of equipment or disposal of westers. Do not apply when weather conditions favor drift from areas treated.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with $\, \psi \,$ its labeling.

Simazine 4L is a herbicide that should be applied before weeds emerge or following removal of weed growth. It centrets a wide variety of annual broadlesf and graze weeds when used at selective rates in agricultural and ornamental crops. When used at higher, noneelective rates in noncrop areas, it also controls many perennial broadlest weeds and grasses.

Where a range of application rates is given, use that low rate on coarser textured

sell and sell lower in organic matter, use the high rate on finer textured sell and sell higher in prescric matter.

Simuzine Herbicide enters weeds mainly through their rests, moisture is neededte more it into the rest zens. Very still conditions and teck of rainfall following application may recessitate shellow cultivation or rotary hosing. Simazine 4L is noncorresive to equipment and northernmable.

ANNUAL WEEDS CONTROLLED

Brachiaria son. annual COMMON alyssum Amaranthus sop. morningglory burclover chickweed **Jenne** annual ryegrass carelessweed craborass bernyardprass carpetweed downy brome **Incorrect** full particum **latered** pursiana **smartweed** framed **lambouvariers** quacitgrass spenishneedies Flora's paintbrush mustard speedwall racressed Florida puraley nichtshade rattail feacue tansymustand Russian thistle wild mustard fortalls. peppergrass shepherdspurse pigweed wild oats 0006407265 shieldcress henbit prickly wiregrass junglerice lettuce silver hairgrass witchgrass See specific use directions.

EQUIPMENT

Ground Application:

Use conventional apray equipment with 80° fan-type nozzles: Screens in nozzles as well as those in suction and in-line 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 hydrautic agitation is used, the pump should also provide sufficient agitation in the tank to leap the mixture in suspension. Wash sprayer throughly with clean water immediately after use.

Aerial Application: L

Use aerial application only where specified in the use directions. Screens in nuzzles as well as those in suction and in-line strainer should be no finer than 50 person. Avoid application under conditions where uniform coverage cannot be obtained or where excessive soray drift may occur.

Avoid application directly to animals or humans. Although it is unnecessary for Ragmon or loaders to wear protective clothing or equipment, care should be taken to avoid inhalation of dust or spray mist, or problight contact with skin.) Flagmon and loaders should weak thoroughly before fulling and at the end of Cach day's operation. Wash aprayer thoroughly with clean water immediately: after use.

MIXING INSTRUCTIONS

Hits Sinezine 4L with water and apply as a spray. Pour Simazine 4L into the tank during or after filling. Hydraulic (jet) or mechanical agrization is resemmended during mixing and application to keep material in suspension.

All return lines to the tank must discharge below infalls, fivel and agrization, should not be no violent as to cause air bubbles to fifth in the liquid, Wash's sprayer unoraughly after use.

Ground Application—where the amount of water is not specified, apply.

Simazine 4L in 20-40 gals, of water per acre.

Aerial Application—use a minimum of one gal of water for each quart of

Sinazine 4L applied per acre, unless otherwise specified. BAND TREATMENT

The amount of Simozone 41, recoded for band trendment may be calculated by the formula:

per vidit in inches x breakest amend or per ear

by the spray to the orchard of vinoyard floor avoiding contact with fruit.

"QUITTERNs. Make application only to orchards or groves where trees have been established one year or more, unless specified differently. Make only one application per year, except as noted otherwise. Recommended rates are brised on breadcast treatment. For band applications or spel applications around tises in fruit or nut planting, reduce the breadcast rate of Simazine 41, and water per acre in proportion to the area actually sprayed.

PRECAUTION: DO NOT APPLY TO SANDY SOILS.

Apples, Peers, Sour Cherries: Apply 2-4 sts. per acre.

Avacados (California only): Apply 2-4 qts. per acre after final precentaion of grove.

Blueberries and Caneberries (blackberries, boysenberries, logenberries, respiberries); Apply 2-4 ets. per acre in the spring or apply a split application of 2 ets. per acre in the spring plus 2 ets. per acre in the fall. Apply in a minimum of 40 gals, of water per arms. On plantings less than 6 months old use ½ the above rates.

Do not apply when fruit is present.

Quackgrass Corrtrol: Apply 4 qts, per acre in the fall or split the application applying 2 ifts, per acre in the fall plus 2 qts, per acre in the spring, when quackgrass is actively growing.

Cranberries

Massachusetts: Apply up to 4 qts. per acre either before spring growth begins or in the fall after harvest.

Other areas: Apply 2 ets. per acre before spring growth begins.

Fillborts (Oreigon 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.

Do not apply when ruts are on the ground during the horvest period. Do not use randy sell.

TE: If treux are planted on a hillside, excessive soil erosion may result nom the elimination of weeds.

Grapee: Apply 2-4.8 qts. per acre any time between harvest and early spring. Do not use in vineyards established less than three years. Grapefruit, Lemons, Oranges

Arizona (Lemone and Orangee only): Apply a split application of 1.6 gts. per acre in the spring plus 1.6 gts. per acre in the fall.

California: /ipply 2-4 qts. per acre in a single application; or apply 2 qts. per acre in the fall and 2 qts. per acre in the spring. Do not use in the imperial, Coechelle, or Palo Verde Valleys.

Florida (Grapefrult and Oranges only): Apply 6.4-9.6 qts. per acre in the spring.

Texas (Grapefruit and Oranges only): Apply 4-4.8 qts. per acre. NOTE (All Areas): Do not use in nurseries. Do not apply to bedded t grapefruit, lemone or oranges. To avoid possible injury, do not apply to trees under stress from freeze damage for one year after the freeze.

Minicard armile. Nurte: Apply 2-4 qts. in 50 gals, of water per acre before; hervest and just prior to weed emergence. Repeat application as necessary. Do not apply when nuts are on the ground during the harvest period.

Olivee: Apply 2-4 qts. per acre following grove preparation in the falt. Repeat annually in midwinter.

Peaches, Plums, Sweet Cherries: Apply 1.6 qts.-4 qts per acre. Apply in late fall to darly spring prior to weed emergence.

Penches: Use only in Ark, La, Mo, Olda, Tex, and the states east of the Mississippi River.

Plume and Sweet Cherries: Use only in Mn. and states east of the Mississippi River except Yenn. Do not apply to sandy or gravelly soil. Pecama: Apply the appropriate rate in the following table before weeds emerge in the spring:

Soil Texture Rate Per Acre
Sand, Isemy sand D0 NOT USE
Sandy Isem 4 pts.
Learn or clay soil low in organic matter 4 pts.-5.6 pts.
Clay soil Nigh in organic matter 5.6-8 pts.

Do not use west of the Pecos River in Texas or in New Mex., Ariz., or Ca. Do not make applications to transplanted trees that have been established less than two years in the groves as injury may occur.

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

Walnute: Apply 2-4 rts. per acre.

To not apply when note are on the ground. Do not apply to sendy soil.
Liveling and furnaring operations after application will lesson effectiveness of weed control.

SIMAZINE HERBICIDE 4L PLUS PARAQUAT CL TANK-MIX COMBINATION

Applies, Peaches, Pears: Smalline 41 plus Paraqual CL lank mix combination is effective in apple, peach, and pear erchards for kill of existing vegetation and for residual control of the annual breadlest, weeds and grasses listed under General Information.

Thus combination is also effective for top till and suppression of perennial weeks.

Apply the rc is shown in the following table as a tank mix in 50-200 gals, of prater per acre to the erchard floor avoiding contact with fruit, foliage or stems, Add a nonionic surfactant at the rate of ½ pt, per 100 gals. Apply when the weeds and grasses are succulent and the new growth is from 1-6 inches talt. Make only one application per year. Make applications only in orchards or greves where trees have been retablished one year or more. Do not apray under windy conditions and use a shield for young trees. De not allow animals to graze treated areas.

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

Broadcast' rate per acre

Crop	Simazine Herbicide 4L	Paraquat CL
Apples	2-4 qts.	1-2 qts.
Pears		
. A.z.b.zza	4.6.4	4

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 high organic matter soil. 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 soils. Use on peaches only in Arkansas, Louisiana, Missouri, Oklahoma, Texas, and states east of the Mississippi River.

FIELD AND FORAGE CROPS

Com:

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. Use 10-40 gals, of spray mixture per acre.

Pre-emergence: Apply before weeds and corn emerge. Use the appropriate rate in the lable below.

Proplant: Broadcast 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 then pre-emergence.

Soli-Texture Broadcast* rate per acre Coarse textured soit. Sand, sift, and loam that is low in organic matter. Broadcast* rate per acre

Medium textured soil: Soil containing a moderate	4.8 pts
amount of clay and organic matter	
Fine tectured soit Loem that is high in organic metter and day (including dark prairie soils of Corn	6 pts. i

Organic soit: Peat, muck, and high-organic clay 8 pts. [11]

*For calculation of band treatment rate, see information Section.

Quackgrass Control: Broadcast 6-8 pts. per acre in the fall. Plow two to three weeks later, or if erosion is a problem, delay plowing until string! Do not place any crop except com in the spring following treatment. Eo not graze treated area.

If weeds develop, particularly under relatively dry conditions, al stillation cultivation will generally result in better weed control.

Civistmes Tree Plantings and Shelter Selta (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 **eckgrees Control: Apply 8 pts. per acre in the fall or apply a split**

application of 4 pts. per acre in early apring, after quackgrass begins prowth. / CAUTION:

- De not use Simazine on seedbods or cutting bods. 1.
- 2. Do not apply to Christmas tree or shelter belt transplants less than three years of ace.
- 3. Do not apply more than once a year, except as directed for quackgrass control.

Apply Simazine 41. to these species of trees and strubs, as recommended

American sim	Caragone	litughs pins	red (apruce
Austrian pine	cotonector	Norway spruce	Russian olive
abervitae	dogweed	Oregon grace	Scrach pine
balton fr	Dougles fir	(Mahania app.)	Sitiation aim
berberry	Frager for	red cades	white cedar (
blue agruça	hemieck	red pak	while pine
barelder	honey locust	red pine	while spruce
bush honeysuckie	junioer	(Norway pine)	yew (Taxus sop.)
	ES FOR SOD	• • • • • • • • • • • • • • • • • • • •	, (,

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

Muck or Peat	4 qts.	Old beds: New beds:	within 2 days after lifting of sod 3-4 days after sprig- ging or plugging
Sandy Soil	2 qts.	Old beds: New beds:	within 2 days after lifting of sod 7-10 days after sprig- ging or plugging

Apply an additional 2 qts. on muck or poet, or 1 qt. on sandy soil if weed growth **FROUTS.**

CAUTION:

BELTS

- 1. Do not apply within 30 days before cutting or lifting.
- 2. Do not use north of North Carolina.

VEGETABLE CROPS /-

Asperague (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. Soring application must be made at least 3 days before first cutting CAUTION: (Washington and Oregon only): -

- Do not use on sand, loarny sand, or gravelly areas of fields as crop injury may result.
- 2. Do not allow irrigation water to stand or to form pools in the fields as injury May occur.

Artichokes: Apply 2-4 gts. per acre as a directed spray after the last fall titisce.

CAUTION:

- Do not apply to sandy soil.
- Apply only once per year.

NONSELECTIVE WEED CONTROL ON NONCHOP LAND Best results are obtained when Simazine 4L is applied before weeds emerge_it_ . . . weed growth has begun and removal is not feasible, include a contact or transfor. cated herbicide in the soray.

Simazine 41, can be used to provide long-term weed control errinductrial sites, highway medians and shoulders, railroad rights-of-way, lumber yards, petrolsum tank farms, and in noncrop areas on farms, such as escued buildings equipment and fuel storage areas, along fences, readsides, and falles. Aerial 2 applications may be made where it is feasible.

Lise at least 1 gal of water for each 1 gt of Simezine 41; use'ngte water if practical for both ground and aerial applications.

Land treated with Sinazore should not be planted to any crep succept corn ng year as squry stay econ. I a baseled stan salar and the

p plan and the

If more than 8 pts. of Simusine 41, is used per acre (or equivalent rate in a band, a crep of untreated core should precede the sact retational crop. Do not apply Structure 4L proplant incorporated for wood control in corn in the Man Plains and Internal-Your Breas of the Wood (including control and Western Karasa, Wassers Hobranis, Wasters Chilebassa, and the Partie o rainful is sporte and errotic or where irrigotion is required.

es and interme intain areas of the West where rainfalf is sparse and arratic or where irrigation is required, use Simezine 4 L to control de in come andy when come is to follow come or a crop of unbreshed come is

to precede another relational crep.
7. In Western Minnesota and sestern peols and pestern parts of the Dakotas, Nebraska, and us, do not rotate to seyboans following corn treated with Simazine if are than 4 pints of Simezine 4L per acre (or equivalent rate in a band) was applied as injury may occur.

Do not plant super beets, belong vegetables (including dry beans), spring-second small grains, or small-second legimes and grasses the year after Streams 4L application as injury may occur.

Simezine 4L Plus Atrazine 4L Tank-Mix Combination for , Wood Control in Corn

Apply the tank-mix combination of Sinazine 4L plus Atrazine 4L either before, during, or after planting corn but before weeds amongs to control early ting around weeds and late competing gracers. One application will control most avoid broadeal and grass weeds including fall penicum. craborase, barnyardorass, foxtail, velvetleat, carpetweed, morningdary, lambequarters, pigweed, and regweed. Apply in 10-40 gals, of water per acre. Proplant

Apply the tank mixture as a broadcast treatment in the spring after plowing er belgre, during or after final seedbed preparation. If soil is tilled or worked after application, avoid deep incorporation of Simazine 41, plus Atrazine 41, make will be obtained when the lark risk is explicit within 2 world before planting. Pre-emergence

'y the tank mixture during ar shortly after planting but prior to crop and

Proplant and pre-emergence broadcast* rates per acre

Soli Texture	Simazine 4L	2 pts. 24 pts.
Send, leavily send, sendy loans	2 pts.	
Sit team and clay loam low in organic matter	24 pts.	

Sit ipem and clay form with medium to

high organic matter and clay (including dark prairie soils of the Corn Belt)

3 DIS.

3 ots.

 For Calculation of pre-emergnce band treatment rate see information Section. NOTE:

- 1. If weeds develop, a shallow cultivation will generally result in better weed control
- 2. Following harvest of the treated crop, plow (moldboard or disk-plow) and thoroughly till the soil in fall or spring to minimize possible injury to springseeded relational crops, regardless of the rate used.
- Do not plant any crop except com until the following year, as injury may OCCUP.
- 4. Do not plant augar beets, tobacco, vegetables (including dry boans), springseeded small grains, or small-seeded legumes and grasses the year following application or injury may occur.

Refer to the Afrazine 4L label for further directions, limitations and cautions. Sucercene

Apply 2-4 qts. per acre at planting or after harvest if ration crop is to be grown, but before weeds or sugarcane emerge. Simazine 41, may also be applied ; interline-directed over the sugarcane to provide continuing control of perminat-

Appen. /E:

uto not apply more than one 2-4 pts. application over the plants or more than two interline-directed applications.

2. Do not soply after "close-in."

3. Total application should not exceed 10 qts. per acre crop cycle. Do not feed or graze treated forage to livestock.

To control Assaud Droadinal and Greek Woods (including barryardyrans, chool, crabgrass, lambaquarters, factod, regreed, puncturevine, and turkey multion) is apply 4.8-10 ats, per acre.

To control most Annual and many Personal Breaderd and Graze Woods (Including quackgrase, binegrase, redisp, burdeck, Carnelle Whish, orchardgrass, purple top, smooth brome, deglared, and plantain) apply 24-5 gals, per acre.

To control hard-to-kill Perennial Weeds (including bull thistle and sow thistle) apply 5-10 gals, per acre. For longer residual control in regions of high rainfail and a long preving season, apply 5-10 gals, per acre.

STORAGE AND DISPOSAL

Do not contaminte water, food, or feed by storage or disposal. STORAGE INSTRUCTIONS:

Storage should be under teck and key and secure from access by unautherized persons and children. Storage should be in a cool, dry area away from any heat or ignition source. De not stack over 2 pallets high. More centainers by handles or in cases. De not move containers from one area to another unless they are securely sealed. Keep container tightly sealed when not in use. Keep away from any puncture source. Avoid storage near water supplies, feed, feed and furtilizer to avoid cross-contamination. Store in original containers only. If the contents are leaking or material is selled, follow these stops:

- Contain spill, absorb with a meterial such as saw dust, clay granules or dirt.
- 2. Collect and place in suitable containers for disposal.
- 3. Wash area with water and soap to remove remaining pesticide.
- 4. Follow washing with clean water rices.
- 5. Do not allow run off to order sower or contaminate water, supplies.
- 6. Dispuse of wastes as indicated below.

Postfoldo Disposol: Water resiling from the use of this product may be disposed of an alle or at an approved weste disposal facility.

Container Disposal: Metal: Triple rise (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plaintie: 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.

FARM WORKER SAFETY STATEMENTS

Do not enter treuted areas without protective clothing until sprays have direct. Because contain states may require more restrictive reportry intervals for various erops treated with this product, consult your State Department of Agriculture for further information.

Written or areal 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 graduct. Oral warnings must inform workers of areas or fields that may not be entered without specific protective clothing until sprays have dried, and appropriate actions to take as case of accidental exposure, as described under Precautionary Statements on this label. When oral warnings are given, warnings shall be given in a language customa ily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. CAUTION. Area treated with Simazine 4 L. on [date of application]. Do not enter without appropriate protective clothing until sprays have dried. In case of accidental exposure, flush eyes or skin with plenty of water. Call physician if-irritation persists. Remove and wash contaminated clothing before reuse.

WARRANTY-CONDITION OF SALE:

Drutel warrants that the product conforms to its chemical description and inreseasably fit for the purpose stated on the label when used in accordance withdirections under normal conditions of use, but neither this warranty nor any other warranty of MERCHANTABILITY or FITNESS for a particular purpose, express or implied, extends to the use of this product contrary to lebel instructions, or under conditions not reasonably foruseable to seller, and buyer assumes the risk of any such use.



BEST AVAILABLE COPY