

R:G.#2749-512 pma3 LUS

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-767) WASHINGTON, DC 20460	EPA REGISTRATION NO. 2749-512	DATE OF ISSUANCE OCT 15 1985
	TERM OF ISSUANCE Conditional	
	NAME OF PESTICIDE PRODUCT Aceto Simazine 4L Flowable Herbicide	

NOTICE OF PESTICIDE: REGISTRATION REREGISTRATION
(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Aceto Agricultural Chemical Company
 126-02 Northern Boulevard
 Flushing, NY 11368

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with tie Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment:
 - a. Add the phrase "EPA Registration No. 2749-512."
 - b. Modify "Keep out of lakes, streams or ponds" to read "Do not apply directly to water."
 - c. Incorporate the Farm Worker Statements required by PR Notice 83-2.
 - d. Update the Storage and Disposal Section according to PR Notice 83-3.
3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE
OCT 15 1985

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Richard F. Mountfort *RFM*
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (TS-767)

Enclosure

ACCEPTED
with comment
OCT 15 1985
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. **2749-512**

RESTRICTED USE PESTICIDE
For retail sale and use only by Certified Applicators or persons under
their direct supervision and only for those uses covered by the Certified
Applicators Certification.

registered use

SIMAZINE 4L

FLOWABLE HERBICIDE

ACTIVE INGREDIENT:
Simazine (2-Chloro-4, 6-bis (ethylamino)-s-triazine) .. **42.8%**
INERT INGREDIENTS: **57.2%**
TOTAL **100.0%**

CAUTION:
KEEP OUT OF REACH OF CHILDREN

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 irrita-
tion persists.

See Side Panel For Additional Precautionary Statements.

NE CONTENTS: **2 1/2 GALS.**
EPA REG. NO. EPA EST. NO.

MANUFACTURED FOR:
ACETO AGRICULTURAL CHEMICALS CORP.
26-02 Northern Blvd.
Flushing, N.Y. 11368

x

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & 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.

ENVIRONMENTAL HAZARDS

Keep out of lakes, streams or ponds. Do not contaminate water by cleaning of equipment, or disposal of wastes.

Farmers Water

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, 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.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container. Pesticide, spray mixture or rinsate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.

CONTAINER DISPOSAL: Triple rinse (or equivalent) and dispose in an incinerator or landfill approved for pesticide containers, or bury in a safe place. Consult Federal, State or Local Disposal Authorities for approved alternate procedures such as limited open burning.

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 as selective rates in agricultural crops and ornamental plantings. When used at higher, non-selective rates in non-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:

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

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.

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. Although it is unnecessary for flagmen or loaders to wear protective clothing or equipment, care should be taken to avoid inhalation of dust or spray mist, or contact with skin. Flagmen and loaders should wash thoroughly before eating and at the end of each day's operation.

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 in any crop in Kern County or Kern County.

Add **SYPHONIC** 4L directly to the spray tank partially filled with clear water, add any tank 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 **SYPHONIC** 4L 20-40 gals. of water per acre.

For Aerial application, use a minimum of one gal. of water for each 1 Qt. of **SYPHONIC** 4L per acre, unless specified differently.

FRUIT AND NUT CROPS: Apply the spray to the orchard or vineyard floor including 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 or spot applications and trees in fruit or nut plantings, reduce the broadcast rate of **SYPHONIC** 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 1st 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 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 6-9.6 Qts. per acre in the spring.

Texas (Grapefruit and Oranges only): Apply 4-8 Qts.

PRECAUTIONS (All areas): 1) Do not use in series. 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.

4

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

SIMAZINE 4L plus Paraquat CL tank mix combinations 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 gallons 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	2.4 Qts.	1.2 Qts.
Peaches	6.4 Qts.	1.2 Qts.

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.

Use on peaches in Arkansas, Louisiana, Missouri, Oklahoma, Texas and states east of the Mississippi River.

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

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

Note: Do not allow animals to graze treated areas.

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

SIMAZINE 4L plus PARACUAT 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 or grafted on plum rootstocks. Do not replant almonds in treated soil. Do not apply on gravelly, sandy or clayey soil or 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
Sandy, loamy sand	0 - Not Use
Loam or clay soil; low in organic matter	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.

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 fertilizer causing crop injury.

Pre-emergence: Apply before weeds and corn emerge, use the appropriate rate in the table below. Pre-plant: Apply in the spring after plowing at the appropriate rate in the table below. Apply before, during or after final seedbed preparation. If soil is 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, pre-plant 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	2.4 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. 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 cut in the spring will generally result in better weed control.

6

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: 3 - 4 days after sprigging or plugging

For information on the use of this product on other types of turf grasses, contact the manufacturer, Bayer Crop Science, P.O. Box 1000, St. Louis, Missouri 63103.

VEGETABLE CROPS

ASPARAGUS (Established): Apply 2-4 Qts. per acre to beds established one year or more. Apply once per year either after digging 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 result. 2) Do not allow irrigation water to stagnate or form pools in the field as injury may occur.

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

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 this is feasible.

Use at least 1 gal. 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, cocklebur, and turkey mullein) apply 4-8-10 Qts. per acre.

To control most annual and many perennial broadleaf and grass weeds (including quackgrass, bluegrass, nutcracker, burdock, Canada thistle, orchardgrass, purpletop, smooth brome, 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.

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

Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Bayer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.