



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
401 M St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
53219-7

Date of Issuance:
APR 7 1994

Term of Issuance:
Conditional

Name of Pesticide Product:
Scythe Herbicide

NOTICE OF PESTICIDE:
 Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Mycogen Corporation
4980 Carroll Canyon Road
San Diego, CA 92121

Note: Changes in labeling 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 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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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 the 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; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes listed below before you release the product for shipment:

- a. Add the phrase "EPA Registration No. 53219-7".
- b. In the AGRICULTURAL USE REQUIREMENTS box delete the unnecessary horizontal line immediately below "24 hours".
- c. Delete the NON-AGRICULTURAL USE REQUIREMENTS box. No requirements were listed in the box.

Signature of Approving Official:

[Signature]

Date:

4/7/94

3. Submit one (1) copy 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.

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

This product is being conditionally registered since the active ingredient (pelargonic acid or nonanoic acid) is currently registered with this Agency in other pesticide products. Also, there is no incremental increase in risk to the environment since the active ingredient in this product is currently registered for application to the same sites in the ammonium form. The Soap Salt RED which covers the ammonium salt of pelargonic acid states that the ammonium salts of fatty acids should pose a minimal threat to endangered species. Since this product is for non-food use, tolerances or exemptions from the requirement for tolerances do not have to be established under the Food Drug and Cosmetic Act.

Although an exemption from the requirement of a tolerance has been established for potassium oleate and related C12-C18 fatty acid potassium salts [40 CFR 180.1068], no exemption or specific tolerance has been established for pelargonic acid [C9]. Also, an exemption from the requirement of a tolerance has been established for fatty acids, conforming to 21 CFR 172.860, but only as a binder, defoaming agent, or lubricant [40 CFR 180.1001(c)]. For future pesticide food uses, an exemption from the requirement of a tolerance or a specific tolerance must be established. Please refer to the Chemistry Branch I - Tolerance Support and Toxicology Branch II reviews for your temporary tolerance [3G4257] and Experimental Use Permit [53219-EUP-13]. To avoid delay if you request a waiver of fees for filing a petition [40 CFR 180.33], you should pay the appropriate fees first and await EPA's review of your waiver request.

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

Cynthia Giles-Parker
Product Manager (22)
Fungicide-Herbicide Branch
Registration Division (7505C)

Enclosure

CONCURRENCES

SYMBOL	7507C	147509						
SURNAME	Giles-P	SPM						
DATE	Apr 1994	4/5/94						

SCYTHE™ Herbicide

FOR CONTROL OR BURNDOWN OF A BROAD SPECTRUM OF WEEDS ON CONTACT

INGREDIENT	By wt.
Active Ingredients	
Pelargonic Acid.....	57.0%
Related Fatty Acids (C6-C12).....	3.0%
Inert Ingredients.....	<u>40.0%</u>
TOTAL.....	100.0%

KEEP OUT OF REACH OF CHILDREN

WARNING-AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.). See side panel for additional precautionary statements

EPA Registration No.53219-

EPA Establishment No.

MYCOGEN CORPORATION
4980 Carroll Canyon Road
San Diego, CA 92121

Scythe is a trademark of Mycogen Corporation

NET CONTENTS: ___ GAL

ACCEPTED
with COMMENTS
by EPA Letter Dated:

APR 7 1994

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PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals: WARNING: Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Avoid contact with skin.

Statement of Practical Treatment:

If in eyes: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes.

If swallowed: Drink promptly a large quantity of milk, egg white, gelatin solution, or, if these not available, large quantities of water.

If on skin: Wash with plenty of soap and water. Get medical attention.

Environmental Hazards:

This product may be hazardous to aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high watermark. Do not contaminate water when disposing of equipment washwaters.

Personal Protective Equipment: Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear: long-sleeved shirt and long pants, chemical resistant-gloves such as barrier laminate, nitrile rubber, or neoprene rubber, shoes plus socks, and protective eyewear.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/ maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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 put on clean clothing.

DIRECTIONS FOR USE

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

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AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, chemical resistant gloves such as barrier laminate, nitrile rubber, or neoprene rubber, shoes plus socks and protective eyewear.

NON - AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Delete

GENERAL INFORMATION

This product is a contact, non-selective, broad-spectrum, foliar-applied herbicide. It is non-systemic and has no residual soil activity and will not move through soil to injure nearby plants. This product will only control emerged vegetation. It effectively controls both annual broadleaf and grass weeds that are less than 6" in height. It suppresses biennial and perennial weeds by destroying green foliage.

This product is a non-volatile, emulsifiable concentrate. It can be applied through most standard industrial or field type sprayers after dilution and thorough mixing with water in accordance with label instructions.

Visible effects on most weeds usually occur within hours. These effects are rapid darkening of green tissue, which advances to a browning and death of all contacted green foliage. It does not damage the woody parts of plants.

Cool or cloudy weather following treatment may slow down the activity of this product and delay visual effects of control.

For best results, spray coverage should be uniform and complete. Thorough coverage is necessary for maximum herbicide activity. Spray-to-wet but not to the point of runoff for most efficient use of spray mixture.

MIXING AND APPLICATION INSTRUCTIONS

APPLY SPRAY SOLUTIONS IN PROPERLY MAINTAINED AND CALIBRATED EQUIPMENT CAPABLE OF DELIVERING DESIRED VOLUMES. HAND GUN APPLICATIONS SHOULD BE PROPERLY DIRECTED TO AVOID SPRAYING DESIRABLE PLANTS.

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MIXING

This product mixes readily with water. Mix spray solutions of this product as follows: Fill the mixing or spray tank with three fourths the required amount of water. Add the proper amount of this product, fill to required capacity, and mix well. No spray adjuvant or wetting agent is needed with this product. Remove hose from tank immediately after filling to avoid siphoning back into the carrier source. During mixing and application, foaming of the spray solution may occur. To prevent or minimize foam, avoid the use of mechanical agitators, by-pass and return lines should be installed at the bottom of the tank.

For best results with backpack or other small tank applicators, pre-mix the herbicidal solution in another container to ensure thorough mixing. Reagitate herbicidal solution prior to each filling of the smaller tank. Prepare fresh spray mixture daily. Do not use mixing container for other pesticides or water.

APPLICATION EQUIPMENT AND TECHNIQUES

Do not apply this product through any type of irrigation system.

This product may be applied with the following application equipment:

BOOM EQUIPMENT

For control or burndown of annual, biennial or perennial weeds using conventional boom equipment, use the recommended rates of this product in 100 to 400 gallons of water per acre as a broadcast spray unless otherwise specified on this label. As the density of weeds increases, spray gallonage should be increased within the recommended range to ensure complete coverage. Carefully select the proper nozzle to avoid generation of fine mists that may drift to desirable vegetation. Check for even distribution of spray droplets and thorough coverage of vegetation.

HAND-HELD AND HIGH-VOLUME EQUIPMENT

Spray-to-wet applications of this product may be made with knapsack and backpack sprayers, pump-up pressure sprayers, handguns, handwands, and other hand-held spray equipment and vehicle mounted high volume spray equipment. Spray mixture is directed onto weed foliage by nozzle positioning.

Mix this product in clean water and apply to foliage of vegetation to be controlled. For applications made on a spray to wet basis, spray coverage should be uniform and complete. For the most efficient use of spray mixture, spray to wet but not to the point of run-off.

SELECTIVE PLACEMENT EQUIPMENT

This product may be applied through a shielded or directed applicator after dilution and thorough mixing with water.

A shielded applicator directs the herbicide solution onto weeds while shielding desirable vegetation from the herbicide.

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RECOMMENDED RATES

Rates of use are 5 to 10 gallons per acre of this product in 100 to 400 gallons per acre of spray solution by ground equipment.

Use the lower rates and volumes for young succulent weeds less than 6" in height (3-5 leaves).

Use the higher rate of this product within the recommended range when either of the following conditions exist: (1) Annual weed growth is greater than 6" in height or dense populations exist, or (2) biennial or perennial weeds are the target weeds. Repeat application as required to obtain desired level of weed control.

Spot treatment with hand-held applicators: Apply 5 to 10% solution (approximately 6.5 to 13 fl. oz. of product diluted in one gallon of spray solution). One gallon of spray mixture will cover approximately 400 square feet of area. This may vary depending upon the applicator.

NONCROP USES

THIS PRODUCT SHOULD NOT BE USED FOR FOOD CROP WEED CONTROL. CARE MUST BE EXERCISED TO AVOID CONTACT OF SPRAY WITH FOLIAGE OF DESIRABLE TURFGRASSES, TREES, SHRUBS, OR OTHER DESIRABLE VEGETATION SINCE DAMAGE MAY RESULT.

This product may be applied with shielded applicators, in any noncrop site specified on this label.

NOTE: If spraying areas adjacent to desirable plants, use a shield to help prevent spray from contacting foliage of desirable plants.

Best results are obtained when applications are made to young succulent weeds. Mature, woody weeds are less susceptible. Repeat applications as needed to give desirable levels of weed control.

Treated areas may be reseeded as soon as desirable levels of weed control are obtained.

LANDSCAPE MAINTENANCE AND ORNAMENTALS

Use for Trimming and Edging Around Sidewalks, Driveways, Trees, Shrubs, Flowerbeds etc.

THIS PRODUCT IS NOT RECOMMENDED FOR USE AS AN OVER-THE-TOP BROADCAST SPRAY IN ORNAMENTALS.

This product can be used to control undesirable vegetation prior to planting ornamentals. Following preplant application of this product, any ornamental species may be planted. Precautions should be taken to protect nontarget plants during site preparation applications.

In established ornamentals direct applications to the base of woody stems and onto the target weeds. Foliage of ornamentals contacted by the spray may be injured.

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GOLF COURSES

This product can be used to trim and edge around ornamentals, trees, shrubs, flower beds, cart paths, sand traps and for spot weeding in general landscape.

BULBS AND CORNS

PRIOR TO EMERGENCE

Weeds may be controlled in beds and pots either in a greenhouse or outdoor growing area, after planting, but prior to emergence of the desirable plants, by making a band treatment over the row or pots or as a broadcast application. Desirable plants emerged at the time of application will be severely injured.

NURSERY CONTAINER STOCK

DIRECTED SPRAYS: POSTEMERGENCE WEED CONTROL IN NURSERY CONTAINERS

Controls Weeds in Nursery Containers Around the Base of Woody Ornamental Plants and Non-bearing Fruit Trees and Vines.

Apply as a directed spray to weeds growing in the containers at the base of woody stems or canes. Do not allow spray to contact green stems or the foliage of desirable plants as injury may occur. Test spray on young stems for injury prior to extensive use. Discontinue usage if injury to desirable plants occurs.

GREENHOUSE WEED CONTROL

Use for control of weeds in and around greenhouses, and under greenhouse tables and benches, as a directed spray around the base of rose canes or other woody plants, and prior to emergence in seedling beds. CAUTION : Do not allow spray to contact green stems or desirable foliage as injury may result. Apply a 5 to 10% solution (approximately 6.5 - 13 fl. oz. of this product diluted to 1 gallon of spray mixture). One gallon of spray mixture will cover approximately 400 square feet of area. This may vary depending upon the applicator. Avoid contact with desirable plants. Drift of this product may cause brown flecking or more serious damage to desirable plants. To reduce drift do not use a fine mist during application, and reduce air movement within the greenhouse. Weeds emerging after treatment will not be controlled.

TURF

This product may be used as a site preparation treatment prior to sod installation or turf planting. Make applications to weeds that are less than 6" tall and in the 3 to 5 leaf stage. Turf Marker and for Lining of Grass Playing Fields: Apply this product as a directed spray using a 10% solution (approximately 13 fl. oz. of this product diluted in 1 gallon of spray mixture). For best results, apply a test strip to determine the optimum height of the spray head, prior to actual turf marking.

FARMSTEAD WEED CONTROL

When applied as directed, under the conditions described, this product controls undesirable vegetation around farmstead building foundations, and along and in fences. Do not apply to food crops.

INDUSTRIAL, RECREATIONAL AND PUBLIC AREAS

When applied as directed, under the conditions described, this product controls most young succulent weeds growing in areas such as airports, fence row, fence lines, golf courses, industrial plant sites, lumber yards, parking areas, parks, petroleum tank farms and pumping installations, storage areas, schools, playgrounds, parks, shopping malls and other public areas and similar industrial areas.

USE PRECAUTIONS

DO NOT APPLY THIS PRODUCT TO FOOD CROPS.

AVOID DRIFT. CARE MUST BE USED WHEN APPLYING THIS PRODUCT TO PREVENT INJURY TO DESIRABLE PLANTS. This product is a contact herbicide that kills or damages all green plant tissue. Do not allow spray solution to mist, drip, drift, or splash onto desirable vegetation since any green vegetation contacted by this herbicide may be damaged.

Avoid cold temperatures: Application during cool temperatures (below 60 F°) slows the rate of kill and may reduce the overall effect of the herbicide. Increasing the rate may improve control to acceptable levels under these conditions.

Keep people, pets and livestock off treated areas until spray solution has dried to prevent transfer of this product onto desirable vegetation.

Concrete and Brickwork: This herbicide may leave a temporary residue or stain on some types of concrete or brickwork.

STORAGE AND DISPOSAL

Do not contaminate water, feed or foodstuffs by storage or disposal.

Storage: Keep container tightly sealed when not in use. Store only in original container in a dry place inaccessible to children and pets.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Do not reuse empty container. Triple rinse, then offer for recycling or reconditioning, or puncture and dispose of in sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

LIMIT OF WARRANTY AND LIABILITY

This product conforms to the description on this label and is reasonably fit for the purpose set forth on this label when used according to the label directions and under the specified label conditions. **THE MANUFACTURER DISCLAIMS ANY AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE.** Buyer and all users assume all risks and responsibility for loss or damage if this product is used, stored, handled or applied under any condition not

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reasonably foreseeable or beyond the manufacturer's control, or not as explicitly set forth in this label. THE LIMIT OF THE MANUFACTURER'S LIABILITY SHALL BE THE PURCHASE PRICE FOR THE QUANTITY INVOLVED. IN NO EVENT SHALL THE MANUFACTURER BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

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