

PM 91

53219-7

5/8/97

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number: 53219-7

Date of Issuance: 5/8/97

NOTICE OF PESTICIDE:
[X] Registration
Reregistration

(under FIFRA, as amended)

Term of Issuance: Unconditional

Name of Pesticide Product: Scythe® Herbicide

Name and Address of Registrant (include ZIP Code):

Mycogen Corporation
5501 Oberlin Drive
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.

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.

This registration does not eliminate the need for continual reassessment of the pesticide. If EPA determines at any time, that additional data are required to maintain in effect an existing registration, the Agency will require submission of such data under section 3(c)(2)(B) of FIFRA.

This product is registered in accordance with FIFRA section 3(c)(5) and is subject to the following terms and conditions:

- 1. Make the following modifications to your label.
a) Add a Personal Protective Equipment Heading. Modify the Worker Protection Standard (WPS) Personal Protective Equipment and the Non-Worker Protection Standard WPS) Personal Protective Equipment headings to be sub-headings under the Personal Protective Equipment Heading that read WPS USES and NON-WPS USES respectively as per p. 47 of Supplement Three of PR Notice 93-7.
b) Modify the phrase "Applicators and other handlers must wear:" in the WPS USES section to read "Applicators and other handlers who handle this pesticide for any use covered by the Worker Protection Standard (40 CFR Part 170) -- in general, agricultural uses are covered -- must wear:"
c) Modify the phrase "Users must wear:" in the NON-WPS USES section to read "Applicators

CONCURRENCES

Table with columns for SYMBOL, SURNAME, DATE, and CONCURRENCES. Includes handwritten signatures and dates.

1) c) cont.

and other handlers who handle this pesticide for any use NOT covered by the Worker Protection Standard (40 CFR Part 170) -- in general, only agricultural uses are covered -- must wear:"

d) In item 4 of the **USE METHODS** sub-section in the **DIRECTIONS FOR COMMERCIAL USE** section of the label, modify the statement "For control of weeds growing in dormant turf or crops after maturity, senescence, or harvest." to read "For control of weeds growing in dormant turf or fields after the commodity has been harvested."

e) In the **TANK MIXES** sub-section in the **DIRECTIONS FOR COMMERCIAL USE** section of the label, delete the statement "Please refer to Mycogen Tip Sheet on tank mixing this product for further instructions on the use of this product with other pesticides." Also, delete "or Touchdown®" under the **Scythe + Glyphosate** section and modify "This product may enhance the activity of postemergence herbicides such as all formulations..." in the **Scythe + Other Foliar Herbicides** section to read "This product may enhance the activity of postemergence herbicides such Touchdown® and all formulations..."

f) Delete use method 6, Harvest Aid and Desiccation, for the **Forages and Pasture Grasses (Forage and Seed)** crop group site in the **DIRECTIONS FOR COMMERCIAL USE** section of the label as it is not covered by the tolerance exemption.

g) Add a footnote to use method 6 in the **Field Crops and Cereal Grains** crop group in the **DIRECTIONS FOR COMMERCIAL USE** section of the label that states "Harvest Aid and Desiccation uses are only approved for cotton in this crop group."

h) Add the statement "Applications must be made 72 hours prior to reflooding of dry aquatic sites." to the **Dry Aquatic Sites, Dry Drainage Systems and Around Aquatic Sites** non-crop group section in the **DIRECTIONS FOR COMMERCIAL USE** section of the label prior to "Dry ditches, dry canals..."

i) Modify the **DIRECTIONS FOR RESIDENTIAL AND HOMEOWNER USE** heading to read **DIRECTIONS FOR RESIDENTIAL, NON-COMMERCIAL USE**.

j) Delete the following statements in the **GENERAL INFORMATION** section of the **DIRECTIONS FOR RESIDENTIAL, NON-COMMERCIAL USE**:

"Replant immediately after application."

"No soil residual, breaks down rapidly on contact with soil."

"Scythe is based on a naturally occurring active ingredient."

**CONCURRENCES**

SYMBOL	"When used according to label instructions, Scythe is practically non-toxic to humans and animals."						
SURNAME							
DATE							

k) In the **DIRECTIONS FOR RESIDENTIAL, NON-COMMERCIAL USE** section under **WHAT SCYTHE HERBICIDE DOES**, modify the statement "These effects are rapid darkening of green tissue, which advances to a browning and death of all treated weeds." to read "These effects are rapid darkening of green tissue, which advances to a browning and death of all treated foliage."

l) Delete the unit dose package mixing instructions on page 10 of the draft label as your application form only indicates a 2.5 gallon size retail container.

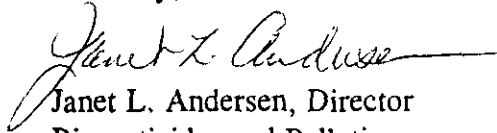
m) Delete the use sites of farmstead and parking lots from the **DIRECTIONS FOR RESIDENTIAL, NON-COMMERCIAL USE** section of the label.

n) Add the statement "Applications must be made 72 hours prior to reflooding of dry aquatic sites." to the **Dry Aquatic Sites: Ditches, Canals, Canal Banks** use site section of the **DIRECTIONS FOR RESIDENTIAL, NON-COMMERCIAL USE** prior to "General weed control..."

A stamped copy of the label is enclosed for your records. Submit five (5) copies of the final printed labeling.

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.

Sincerely,



Janet L. Andersen, Director  
Biopesticides and Pollution  
Prevention Division (7501W)

Enclosure

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

ACCEPTED  
with COMMENTS 4/15  
In EPA Letter Dated 6

MAY 1977

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
53219-7

# SCYTHE®

## HERBICIDE

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

Active Ingredients	
Pelargonic Acid*	57.0%
Related Fatty Acids (C <sub>6</sub> -C <sub>12</sub> )	3.0%
Inert Ingredients**	40.0%
<b>TOTAL</b>	<b>100.0%</b>

\*Scythe contains 4.2 pounds of pelargonic acid per U.S. gallon  
\*\*Contains petroleum distillates.

**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 booklet for additional precautionary statements.

EPA Registration No. 53219-7

EPA Establishment No.      1                      2                      3  
44616-MO-01 4091-CA-01 4091-TN-03  
Superscript corresponds to first number of lot number stamped on container.

Mycogen Corporation  
5501 Oberlin Drive  
San Diego, CA 92121  
1-800-745-7476

Scythe is a registered trademark of Mycogen Corporation

The use of this product and select fatty acids alone and/or in combination with certain herbicides is covered in one or more of the following U.S. patents: 5098467, 5106410, 4975110, 5035741, 5098468, 5196044.

### 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. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

**First Aid:**

**If swallowed:** Call a doctor or get medical attention. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Drink promptly a large quantity of milk, eggwhites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol.

**If on skin:** Wash with plenty of soap and water. Get medical attention if irritation persists.

**If in eyes:** Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention if irritation persists.

**Note to Physician:** Contains petroleum distillates. Vomiting may cause aspiration pneumonia.

**Environmental Hazards:** Do not apply directly to water, areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

**Worker Protection Standard (WPS) 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 personal protection equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**Non-WPS Personal Protective Equipment:** Users must wear long-sleeved shirt and long pants, and protective eyewear (goggles, face shield or safety glasses).

**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.

For emergency medical information, call toll free 1-800-228-5635, ext. 87.

### DIRECTIONS FOR COMMERCIAL 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.

### 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 to contact 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, include 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. Keep unprotected persons out of the treated areas until the sprayed area is dry.

### GENERAL INFORMATION

This product is a contact, non-selective, broadspectrum, foliar-applied herbicide. This product will only control actively growing emerged green vegetation. It provides burndown of both annual and perennial broadleaf and grass weeds, as well as most mosses and other cryptogams. The degree of burndown and the longevity of control is less when the plants are inactive, mature, or biennial/perennial types. This product is not translocated. It will burn only those plant parts that are coated with spray solution.

This product is a non-volatile, emulsifiable concentrate. It can be applied through most standard or field type sprayers after dilution and mixing with water in accordance with label instructions. For best results, spray coverage should be uniform and complete.

Visible effects on most weeds occur within hours. This product does not damage mature, non-green, woody parts of plants. Cool weather following treatment may slow the activity of this product and delay or reduce visual effects.

This product provides no residual weed control. Repeat treatments will be necessary for new plants emerging from seed or regrowth of treated vegetation. Should residual control be desired, use a product recommended for the use situation.

### USE METHODS

See the "Use Sites and Uses" section of this label to match the method of use with the crop or use situation.

1	<b>Vegetative Burndown</b>	General control of weeds for seedbed or site preparation, non-crop, and around aquatic sites. Spot treatments may be used in crop and pasture situations.
2	<b>Directed and Shielded Sprays</b>	Applications may be made in and around desirable plants when contact of foliage and green bark is avoided.
3	<b>Prior to Emergence of Plants from Seed, Perennial Root-stocks, Corms and Bulbs</b>	Ensure applications are made before new growth or crop emerges from soil or damage will occur.
4	<b>Dormant or Post Harvest Spray</b>	For control of weeds growing in dormant turf or crops after maturity, senescence, or harvest. Partially green growth will be killed or stunted.
5	<b>Sucker Control, Pruning and Trimming</b>	To burn back unwanted basal sucker growth on woody trees and foliage growth on vines, and excessive cane growth in brambles. Apply only to unwanted vegetative parts. Apply before suckers become woody.
6	<b>Harvest Aid and Desiccation</b>	To remove leaves of plants prior to harvest and/or burndown of weeds to facilitate harvest. Harvest aid and desiccation uses include applications to root and tuber vegetable, bulb vegetable and cotton only. Applications must be made no later than twenty-four hours prior to harvest (pre-harvest interval = 24 hours).
7	<b>Structural and Building Applications</b>	Apply to unwanted vegetation in and around buildings and structures. Application to walks, benches, walls, floors, roofs, cooling pads for the control of moss and certain algae. A temporary residue or precipitate may result when used on some types of concrete, masonry, brick or stone.

### MIXING AND APPLICATION INSTRUCTIONS

APPLY SPRAY SOLUTIONS IN PROPERLY MAINTAINED AND CALIBRATED EQUIPMENT CAPABLE OF DELIVERING DESIRED VOLUMES. APPLICATIONS SHOULD BE PROPERLY DIRECTED TO AVOID SPRAYING OR ALLOWING DRIFT TO DESIRABLE PLANTS. ALWAYS CLEAN TANK, PUMP, AND LINE THOROUGHLY WITH WATER AFTER USE.

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

This product may not be aerially applied. Spray droplet size should be adjusted to minimize drift and allow application to the intended exposure area only.

#### MIXING

This product mixes readily with water. Mix spray solutions with 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, complete filling to required capacity, and mix well. 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. A defoaming agent can be added to prevent excessive foaming. If application is intended in or around crops, the defoaming agent must be approved for such use.

Always determine compatibility of companion herbicides and tank additives prior to addition to the spray tank. Determine compatibility by performing a jar test using appropriate quantities of each material and water (see Tank Mixes).

For best results with backpack or other small tank applicators ensure thorough mixing of herbicidal solution at filling and during the spray operation. Sprayers without continuous agitation should be shaken or mixed regularly to maintain suspension. Without agitation, this product separates quickly out of the spray solution.

**BOOM EQUIPMENT**

For best control or burndown of annual, biennial or perennial weeds using conventional boom equipment, use the recommended rate of this product in 75 to 200 gallons of spray solution per acre as a broadcast spray. Lower delivery rates of 10 to 75 gallons per acre of spray solution may be used when this product is used as a tank mix synergist with other foliar products (See Tank Mixes). As the density of weeds increase, spray gallonage should be increased within the recommended range.

**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. Apply spray solutions of this product to foliage of vegetation to be controlled. For most efficient use of spray mixture, spray all leaf surfaces uniformly and completely to wetness, but not to the point of runoff.

**SELECTIVE PLACEMENT EQUIPMENT**

This product may be applied through a shielded or directed applicator. Use the recommended rate for the type of nozzle or equipment used. A shielded applicator directs the herbicide solution onto weeds while shielding desirable vegetation from the herbicide with a physical barrier.

**RECOMMENDED RATES**

Mix this product in the recommended proportions as listed below and deliver the spray solution through boom or high volume and hand held equipment.

**STAND ALONE USE**

Mix the following recommended percentage solution (volume/volume) and deliver 75 to 200 gallons of the spray solution per acre through boom, hand-held, or high volume equipment.

- Use a 3-5% solution for control of annual weeds, mosses and cryptogams. Use the lower rate in the rate range for young, succulent and actively growing weeds and the higher rate for weeds greater than six inches in height or in the flowering stage. Use higher rate for control of mosses, lichens, and other cryptogams on structures and surfaces.
- Use a 5-7% solution for burndown of perennial herbaceous plants, weeds in a later stage of growth and control of sucker growth. Use the highest rate for perennial weeds at or beyond the flower stage or when the plants have "hardened."
- Use a 7-10% solution when maximum vegetative burndown, edging, or foliar trimming is desired.

Repeat application as required to maintain desirable level of weed control and to control plants emerging from seed and underground parts.



**TANK MIXES**

TANK MIXING THIS PRODUCT WITH OTHER PESTICIDES OR PLANT GROWTH REGULATORS SHOULD BE GOVERNED BY THE MOST RESTRICTIVE LABEL LIMITATIONS AND PRECAUTIONS. NO LABEL DOSAGE RATES SHOULD BE EXCEEDED. THIS PRODUCT SHOULD NOT BE MIXED WITH ANY PRODUCT CONTAINING A LABEL PROHIBITION AGAINST SUCH MIXING.

Always predetermine the compatibility of labeled tank mixtures of this product with other products in advance of application by mixing proportional quantities of all products and water in a container and watching for adverse reactions. When tank mixing, add formulations in the following sequence: wetttable powders, flowable liquids, emulsifiable liquids, Scythe, water soluble liquids and finally adjuvants.

This product is synergistic with certain postemergence herbicides. Mixtures of this product and glyphosate have shown enhanced speed of top kill and improved control of numerous weed species and is protected under U.S. Patent 5,196,044.

See the "Mixing and Application Instructions" section of this label for spray volume, equipment, and procedures for tank mixtures. Please refer to Mycogen Tip Sheet on tank mixing this product for further instructions on the use of this product with other pesticides.

**Scythe + Glyphosate\*\*:** To enhance the activity of glyphosate and accelerate burndown of target weeds, use the necessary amount of this product to reach a final concentration of 1-3% spray solution plus the label rate of Roundup® or Touchdown® herbicide or other registered formulations of glyphosate (See Mixing Table below). Lower rates in the rate range will provide less visible burndown effect. When this product is used as an enhancement additive and foliar burndown is not expected, mix the necessary amount to reach a final concentration of 0.25 to 1% spray solution plus the label rate of the glyphosate formulation. Adjust rates of both products according to label rates for desired level of control, weeds to be controlled, and conditions at application.

**Scythe + Other Foliar Herbicides:** This product may enhance the activity of postemergence herbicides such as all formulations consisting of cyclohexanedione, sulfonyleurea and imidazilinone herbicides when used as a tank mix additive. Use the necessary amount of this product to reach a final concentration of 1-3% spray solution plus the label rate of the companion product (See Mixing Table below). Lower rates in the rate range will provide less visible burndown effect. When this product is used as an enhancement additive and foliar burndown is not expected, mix the necessary amount to reach a final concentration of 0.25-1% spray solution plus the companion product. Adjust rates of products according to label rates for desired level of control, weeds to be controlled and conditions at application.

**Scythe and Residual Herbicides:** For burndown of vegetation followed by residual control of weeds emerging from seed or underground parts, mix this product with a recommended soil-active herbicide such as all formulations consisting of sulfonyleurea, imidazilinone, triazine, dinitroaniline and acylurea herbicides. Follow the use instructions and recommended rates of the residual companion product plus: (See "Stand Alone" rates)

- 3-5% for annual weeds and vegetation
- 5-7% for perennial herbaceous and late stage annuals
- 7-10% for maximum vegetation burndown

\*\* Glyphosate is the active ingredient in Roundup® and Rodeo® herbicides, products and registered trademarks of Monsanto Company. Touchdown® is a product and registered trademark of Zeneca.

Rate Table

DESIRED VOLUME OF SPRAY SOLUTION (Gallons)	AMOUNT OF SCYTHE FOR FOLLOWING PERCENT SOLUTION (Volume/Volume)				
	1%	3%	5%	7%	10%
1	1-1/3 oz	4 oz	6-2/3 oz	9-1/3 oz	13 oz
5	6-2/3 oz	1-1/4 pt	2 pt	1-1/2 qt	2 qt
10	13 oz	2-1/2 pt	2 qt	2-3/4 qt	1 gal
50	2 qt	1-1/2 gal	2-1/2 gal	3-1/2 gal	5 gal
75	3 qt	2-1/4 gal	3-3/4 gal	5-1/4 gal	7-1/2 gal
100	1 gal	3 gal	5 gal	7 gal	10 gal

USE SITES

CARE MUST BE EXERCISED TO AVOID CONTACT OF SPRAY WITH FOLIAGE OF DESIRABLE TURFGRASSES, TREES, SHRUBS, OR OTHER DESIRABLE VEGETATION SINCE DAMAGE MAY RESULT.

Best results are obtained when applications are made to young succulent weeds and when spray solutions cover all leaf surfaces. Mature, woody weeds are less susceptible. Repeat applications as needed to give desirable levels of weed control.

Select nozzles/pressure combinations that deliver large coarse droplets such as solid cones or flat fans at low pressures, and avoid nozzle/pressure combinations that generate fine particles or mist. If spraying areas adjacent to desirable plants, use a shield to help prevent spray from contacting foliage of desirable plants.

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

Refer to the Table listing the application sites in or around crop plants.

Refer to the Table listing the applications sites in or around non-crop use patterns.

CROP GROUP	REPRESENTATIVE CROPS SUCH AS	USE METHOD
Root, Tuber and perennial vegetables	Asparagus, artichoke, beet, carrot, ginger, ginseng, horseradish, parsnip, potato, radish, rutabaga, sweet potato, turnip and yam.	1, 2, 3, 4
Bulb Vegetables	Garlic, leek, onion, and shallot.	1, 2, 3
Leafy Vegetables	Celery, cilantro, cress, endive, fennel, lettuce, parsley, rhubarb, spinach, Swiss chard.	1, 2
Cole or Brassica Crops	Broccoli, Brussels sprouts, cabbage, cauliflower, collards, kale, kohlrabi, greens (mustard and turnip)	1, 2, 3

Crop Group Table Continued

CROP GROUP	REPRESENTATIVE CROPS SUCH AS	USE METHOD*
Legume Vegetable	Beans ( <i>Phaseolus</i> spp. such as: field green, kidney, lima, mung, navy, pinto, snap, and wax beans) ( <i>Vigna</i> spp. such as: black-eyed, Chinese longbean, cowpea, and southern pea) peas ( <i>Pisum</i> spp. such as: garden, green, sugar and snow pea), lentil, and soybean.	1, 2, 3
Fruiting Vegetables	Eggplant, okra, pepper (bell, chili, sweet), pimento, and tomato.	1, 2, 3
Cucurbits and Melons	Cucumber, gourd, muskmelon, cantaloupe, pumpkin, squash, and watermelon.	1, 2, 3
Citrus	Grapefruit, kumquat, lemon, lime, orange, tangerine, and tangelo.	1, 2
Pome Fruit	Apple, crabapple, pear, and quince.	1, 2, 5
Stone Fruit	Apricot, cherry, nectarine, peach, plum, and prune.	1, 2, 5
Small Fruit, Berries, and Grape	Blackberry, blueberry, boysenberry, cranberry, currant, dewberry, grape (all types), loganberry, olallieberry, raspberry, and strawberry.	1, 2, 3, 5
Nuts	Almond, brazil nut, chestnut, filbert, macadamia, pecan, pistachio, and walnut.	1, 2, 5
Tropical and Other Fruit	Avocado, banana, coconut, date, fig, guava, kiwi, mango, olive, persimmon, papaya and pineapple.	1, 2, 5
Field Crops and Cereal Grains	Barley, buckwheat, canola, corn (field, popcorn, sweetcorn), cotton, cowpea, millet, oat, peanut, rice, rye, safflower, sorghum, sugarcane, sunflower, and wheat.	1, 2, 3, 6
Forages and Pasture Grasses (Forage or Seed)	Alfalfa, clovers, trefoil, vetch, bromegrass, fescue, bluegrass, lespedeza, ryegrass, sudangrass, timothy, range grasses, and crops grown for livestock feed.	1, 3, 4, 6
Herbs & Spices	Anise, basil, caraway, chive, cumin, curry, dill, fennel, oregano, mints, rosemary, sage, savory, sweet bay, tarragon, thyme and wintergreen.	1, 2, 3, 4
Beverage and Specialty Crops	Cocoa, coffee, hops, tea, tobacco, and jojoba.	1, 2, 5

NON-CROP GROUP	REPRESENTATIVE NON-CROP USE SITES SUCH AS	USE METHOD*
Turf, Flowers, Bedding and Landscape Plants	Turfgrass (maintenance, sod or seed production), bedding plants, flowers, and ornamentals.	1, 2, 3, 4, 5, 6
Trees and Shrubs	Christmas trees, forest and commercial trees, landscape trees, nursery trees or shrubs, and fiber farms.	1, 2, 5
Greenhouse and Indoor Use	All crops, plants, and structures.	1, 2, 3, 7
Non-Crop, Industrial, and Public Areas	Farmstead, homestead, fallow land, storage areas, schools, paved areas, rights-of-way (e.g., road, railroad, utilities), parking lots, recreation areas (e.g., athletic fields, campgrounds, golf courses, playgrounds), walks, industrial sites (e.g., lumberyard, tank farms, buildings).	1, 2, 7
Structures, Buildings, and Walkways	Bench, deck, equipment, floor, roof, wall, walks, and evaporative cooling pads.	7
Dry Aquatic Sites, Dry Drainage Systems and Around Aquatic Sites	Dry ditches, dry canals, ditch banks, and for use above the water line or after draw-down of agricultural irrigation water and ditch systems, industrial ponds and disposal systems, and impounded water areas.	1, 7

\*See the corresponding numbers in the "Use Methods" section of this label to determine the use and precautions.

### DIRECTIONS FOR RESIDENTIAL AND HOMEOWNER 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.

### GENERAL INFORMATION

- Fast Acting -- kills weeds, grasses and all unwanted vegetation on contact
- Will not spread to nearby plants
- Will not harm or translocate through woody vegetation
- Rainfast within 30 minutes
- Replant immediately after application
- No soil residual, breaks down rapidly on contact with soil
- Scythe can be used around ornamentals, trees, around sidewalks, fences, patios, walkways and driveways.
- Scythe is non-selective weed killer that works on contact. Scythe is based on a naturally occurring active ingredient.
- When used according to label instructions, Scythe is practically non-toxic to humans or animals.
- Highly concentrated

### WHAT SCYTHER HERBICIDE DOES

Scythe kills weeds and grasses by rapidly causing plant cells to lose water. You will see visible results in minutes and dead weeds within hours. These effects are rapid darkening of green tissue, which advances to a browning and death of all treated weeds. Scythe does not damage the woody parts of plants such as rose canes or trees. You can re-plant treated areas as soon as the desired level of weed kill is achieved. Scythe is non-selective and will kill any green foliage it is applied to and can be used just about anywhere weeds grow. It is non-systemic and has no residual soil activity and will not move through soil to injure nearby plants you do not want to kill.

### HOW AND WHEN TO USE

Scythe can be used any time of year when weeds and grasses are growing. The younger the weeds the faster the kill. Scythe works best when applied during sunny days with temperatures over 60 degrees. Application during cool temperatures slows the rate of kill and may reduce the overall effect of Scythe. Increasing the rate may improve control to acceptable levels under these conditions. There should be no rain expected for at least one hour after application.

#### Mixing

This product mixes readily with water. You can use a pump up sprayer or a trigger sprayer. For best results, spray formulation should be mixed well and often. Coverage should be uniform and complete. Spray to wet but not to the point of runoff for most efficient use of spray mixture. On an area basis, use at the rate of 1 gallon of diluted spray solution per 200 square feet (1 quart per 50 square feet).

Use the table below for rates and coverage information.

QUANTITY OF SCYTHER	QUANTITY OF WATER	USE
4 - 6.5 oz	1 gallon	To control annual weeds, mosses
6.5 - 9 oz	1 gallon	To control all emerged green vegetation associated with perennial weeds and sucker growth
9 - 13 oz	1 gallon	For edging and maximum vegetation burndown

Use the lower rates and volumes for young succulent weeds less than 6" in height . Use the higher rates 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.

#### UNIT DOSE PACKAGE

Mix contents of package with 24 - 32 ounces of water. Apply this diluted solution as a spot treatment, or at a rate equivalent to 1 quart (32 fl. oz.) per 50 square feet.

### USE SITES

SITES	USES
Turf, Flowers, Dormant Gardens, Bedding and Ornamental Landscape Plants	General weed control for seedbed or site preparation before installing sod or planting turf and ornamentals; trimming and edging around sidewalks, driveways, trees, shrubs, flowerbeds, etc.; control of undesirable vegetation in established plantings or before planting; controlling weeds in dormant turf.
Trees and Shrubs	General weed control for seedbed or site preparation; control of undesirable vegetation in established plantings; control of unwanted basal sucker growth on trees (apply before suckers grow woody) and excessive foliage growth on shrubs.
Home Greenhouses and Indoor Uses	General weed control in and around home greenhouses and interior plantscapes; weed control under home greenhouse tables and benches; application to seedbeds prior to emergence of plants from seeds, perennial rootstocks, corms and bulbs.
Farmstead, Homestead, Fallow Land, Storage Areas, Paved Areas, Rights-of-way, Parking Lots, Walks, Buildings	Control of unwanted vegetation in and around structures, buildings, walkways, benches, decks, equipment, floors, roofs, walks, etc.
Dry Aquatic Sites: Ditches, Canals, Canal Banks	General weed control; moss and algae control.

Not for use around plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use around plants intended for aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or on lawns and grounds.

### USE PRECAUTIONS

**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.

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

### 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:** (For commercial use) 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. (For residential and homeowner use) Securely wrap original container in several layers of newspaper and discard in trash.

### 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 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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