



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

**ACTIVE INGREDIENTS**

Pelargonic Acid\* . . . . .57.0%  
Related Fatty Acids (C6 - C12) . . . . .3.0%


**INERT INGREDIENTS\*\*** . . . . .40.0%  
100.0%

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

**KEEP OUT OF REACH OF CHILDREN  
WARNING - AVISO**

See following pages for additional precautionary statements and complete directions for use. 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.)

EPA Registration No: 53219-7

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98-04

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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. 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, 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.

### PERSONAL PROTECTIVE EQUIPMENT:

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

**Non-WPS Uses:** Applicators 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: 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 12 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" 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 Rootstocks, 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 fields after this commodity has been harvested. 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 can 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 burn-down of weeds to facilitate harvest. Harvest aid and desiccation uses include applications to root and tuber vegetables, bulb vegetables 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 SOLUTION 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, 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 on Page 11 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. THIS PRODUCT SHOULD NOT BE MIXED WITH ANY PRODUCT CONTAINING A LABEL PROHIBITING 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: wettable 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.

**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® herbicide or other registered formulations of glyphosate (See Mixing Table on next page). Lower rates in the rate range will provide less visible burndown effect. When this product is used as an additive and foliar burndown is not expected, mix the necessary amount to reach a final concentration of 0.25 - 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 Touchdown® and all formulations consisting of cyclohexanedione, sulfonylurea and imidazolinone 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 sulfonylurea, imidazolinone, 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, and registered trademarks of Monsanto Company. Touchdown® is a product and registered trademark of Zeneca.

**Rate Table**

DESIRED 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 Pages 13 - 14 for the Table listing the application sites in or around crop plants.

Refer to Page 15 for the Tale listing the application 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, 6 <sup>1</sup>
Bulb Vegetables	Garlic, leek, onion, and shallot.	1, 2, 3, 6
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
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

<sup>1</sup>Harvest Aid and Dessication uses are only approved for root and tuber vegetables in this crop group.

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CROP GROUP	REPRESENTATIVE CROPS SUCH AS	USE METHOD*
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 <sup>a</sup> , cowpea, millet, oat, peanut, rice, rye, safflower, sorghum, sugarcane, sunflower, and wheat. <sup>a</sup> Harvest aid and desiccation uses are only approved for cotton in this crop group.	1, 2, 3, 6 <sup>a</sup>
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
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

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<b>NON-CROP GROUP</b>	<b>REPRESENTATIVE NON-CROP USE SITES SUCH AS</b>	<b>USE METHOD*</b>
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, and nursery trees or shrubs.	1, 2, 5
Greenhouse and Indoor Use	All crops, plants, and structures.	1, 2, 3, 7
Noncrop, 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, walls, walks, and evaporative cooling pads.	7
Dry Aquatic Sites, Dry Drainage Systems and Around Aquatic Sites	Applications must be made 72 hours prior to reflooding of dry 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 on **Page 6** of this label to determine the use and precautions.

### 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:** Do not reuse empty container. Triple rinse, then offer for recycling or reconditioning, or puncture and dispose of in a 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 reasonable fit for the purposes 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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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.

Scythe, Mycogen, M and Design, and the Rainbow Design are trademarks of Mycogen Corporation.

# Mycogen®



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