

Specimen Label



Scythe®

Herbicide

®Trademark of Dow AgroSciences LLC

For control or burndown of a broad spectrum of weeds on contact

Active Ingredients:	
Pelargonic Acid †	57.0%
Related Fatty Acids (C ₆ -C ₁₂)	3.0%
Other Ingredients ††	40.0%
Total.....	100.0%

† Contains 4.2 pounds of pelargonic acid per U.S. gallon.

†† Contains petroleum distillates.

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, 5096468, 5196044.

EPA Reg. No. 62719-529

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.)

Precautionary Statements

Hazards to Humans and Domestic Animals

WARNING

Causes Substantial But Temporary Eye Injury • Causes Skin Irritation • Harmful If Inhaled • Harmful If Absorbed Through The Skin

Do not get in eyes, on skin or on clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

Personal Protection 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:

- Coveralls worn over short-sleeved shirt and short pants
- Chemical resistant-gloves such as barrier laminate, nitrile rubber, or neoprene rubber
- Chemical-resistant footwear plus socks
- Protective eyewear (goggles, face shield or safety glasses)

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
- Chemical resistant-gloves such as barrier laminate, nitrile rubber, or neoprene rubber
- 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.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

First Aid

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

If swallowed: Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 for emergency medical treatment information.

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 when disposing of equipment washwaters or rinsate.

Notice: Read the entire label. Use only according to label directions.
Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies elsewhere on this label. If terms are unacceptable, return at once unopened.

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994. If you wish to obtain additional product information, visit our web site at www.dowagro.com.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

Directions for Use

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

Read all Directions for Use carefully before applying.

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 state or tribal agency responsible for pesticide regulations.

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 protection 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 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 worn over short-sleeved shirt and short pants
- Chemical resistant-gloves such as barrier laminate, nitrile rubber, or neoprene rubber
- Chemical-resistant footwear plus socks
- Protective eyewear (goggles, face shield or safety glasses)

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.

Storage and Disposal

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

Pesticide 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 must 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.

General Information

Scythe® herbicide is a contact non-selective, broad spectrum, 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, uniform and complete coverage of target plants is required.

Visible effects on most weeds occur within hours. This product does not damage mature, non-green, woody parts of plants. Cool weather following treatment slows the activity of this product and delays or reduces 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 labeled for the use situation.

Mixing and Application Instructions

Apply spray solutions in properly maintained and calibrated equipment capable of delivering desired volumes. 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.

Do not apply this product aerially.

Adjust spray droplet size to minimize drift and allow application to the intended exposure area only.

Mixing

This product mixes readily with water. To prepare the spray mixture, fill the mix or spray tank with three-fourths the required amount of water then add the proper amount of this product. Complete filling the mix or spray tank with the balance of water needed. Remove hose from tank immediately after filling to avoid siphoning back into the carrier source. Mix well.

During mixing and application, foaming of the spray solution can 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. For sprayers without agitation, mix or shake 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 indicated rate of this product in 75 to 200 gallons of spray solution per acre as a broadcast spray. Use lower delivery rates of 10 to 75 gallons per acre of spray solution when this product is used as a tank mix synergist with other foliar products (see Tank Mixes). As the density of weeds increase, increase spray gallonage within the indicated range.

Hand-Held and High-Volume Equipment

Use spray-to-wet applications of this product 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

Direct the herbicide solution onto weeds using a shielded applicator which employs a physical barrier to shield desirable vegetation from herbicide sprays. When applying this product through a shielded or directed applicator, follow spray volume instructions of the equipment or nozzle manufacturer.

Application Rates

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

Stand Alone Use

Use the following percentage solutions (volume/volume) to 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 plant, 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 must be governed by the most restrictive label limitations and precautions. Do not exceed any label dosage rates. This product must 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: (1) wettable powders; (2) flowable liquids; (3) emulsifiable liquids; (4) Scythe herbicide; (5) water soluble liquids; and (6) adjuvants.

This product is synergistic with certain postemergence herbicides. A mixture 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 "Mixing and Application Instructions" section of this label for spray volume, equipment and procedures for tank mixtures.

Scythe plus Glyphosate Herbicides: To enhance the activity of glyphosate-containing herbicides such as Roundup, Rodeo, Touchdown, Glyphomax® or Glypro® herbicides, 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 labeled rate of the registered glyphosate product (see Rate Table). 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 labeled 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 plus Other Foliar Herbicides: This product can enhance the activity of postemergence herbicides such as Touchdown herbicide 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 Rate Table). 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 Plus Residual Herbicides: For burndown of vegetation followed by residual control of weeds emerging from seed or underground parts, mix this product with a labeled soil-active herbicide such as all formulations consisting of sulfonylurea, imidazolinone, triazine, dinitroaniline and acylurea herbicides. Follow the use instructions and application 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

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 fl oz	4 fl oz	6-2/3 fl oz	9-1/3 fl oz	13 fl oz
2.5	3 1/4 fl oz	9 2/3 fl oz	1 pt	1 3/8 pt	2 pt
5	6-2/3 fl oz	1-1/4 pt	2 pt	1-1/2 qt	2 qt
7.5	9 2/3 fl oz	1 3/4 pt	1 1/2 qt	2 1/4 qt	3 qt
0	13 fl oz	2-1/2 pt	2 qt	2-3/4 qt	1 gal

Use Methods

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

1. **Vegetative Burndown:** 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. **Directed and Shielded Sprays:** Applications may be made in and around desirable plants when contact of foliage and green bark is avoided.

3. **Prior to Emergence of Plants from Seed, Perennial Rootstocks, Corms and Bulbs:** Ensure applications are made before new growth or crop emerges from soil or damage will occur.
4. **Dormant or Post Harvest Spray:** 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. **Sucker Control, Pruning and Trimming:** 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. **Harvest Aid and Desiccation:** 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 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. **Structural and Building Applications:** Apply to unwanted vegetation in and around buildings and structures. Application to walks, benches, walls, floors, roofs, or cooling pads for the control of moss and certain algae. A temporary residue or precipitate can result when used on some types of concrete, masonry, brick or stone.

Use Sites

Care must be exercised to avoid contact of spray with foliage of desirable turfgrasses, trees, shrubs, or other desirable vegetation since damage can 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.

Reseeding or transplanting can occur in treated areas as soon as desirable levels of weed control are obtained.

Crop Uses and Use Methods

Use Methods: See the corresponding numbers in the "Use Methods" section under "General Information" for use descriptions and precautions.

Crop Group	Crops	Use Methods
Root Tuber and Perennial Vegetables	Asparagus, artichoke, beet, carrot, ginger, ginseng, horseradish, parsnip, potato, radish, rutabaga, sweet potato, turnip and yam † Harvest Aid and Desiccation uses are approved only for root and tuber vegetables in this crop group.	1,2,3,4,6 †
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 peas), 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 Grapes	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, and sweet corn), cotton, cowpea, millet, oat, peanut, rice, rye, safflower, sorghum, sugarcane, sunflower, and wheat † Harvest Aid and Desiccation uses are approved only for cotton within this crop group.	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
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 Use Sites and Use Methods

Use Methods: See the corresponding numbers in the “Use Methods” section under “General Information” for use descriptions and precautions.

Non-Crop Group	Non-Crop Use Sites	Use Methods
Turf, Flowers, Bedding and Landscape Plants	Turfgrass (maintenance, sod or seed production), bedding plant, 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	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 drawdown of agricultural irrigation water and ditch systems, industrial ponds and disposal systems, and impounded water areas.	1,7

Terms and Conditions of Use

If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitations of Remedies.

Warranty Disclaimer

Dow AgroSciences warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. Dow AgroSciences **MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.**

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Crop injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to the label instructions (including adverse conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Dow AgroSciences or the seller. All such risks shall be assumed by the buyer.

Limitation of Remedies

The exclusive remedy for losses or damages resulting from the use of this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Dow AgroSciences’ election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used.

To the extent allowable by state law, Dow AgroSciences shall not be liable for losses or damages resulting from handling or use of this product unless Dow AgroSciences is promptly notified of such loss or damage in writing. In no case shall Dow AgroSciences be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer above and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Dow AgroSciences or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

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