

FIREWORXX™

Herbicide

SPECIMEN LABEL

FOR ORGANIC PRODUCTION

Active Ingredients:

Caprylic Acid 44.0%

Capric Acid 36.0%

Other Ingredients: 20.0%

TOTAL: 100.0%

(C8/C10 Fatty Acid blend = 80%)



EPA Reg. No. 67702-54-59807

EPA Est. No. 48498-CA-1

KEEP OUT OF REACH OF CHILDREN CAUTION

Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

FIRST AID	
IF IN EYES:	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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.
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment.</p> <p>For emergency information concerning this product, call poison control center 1-800-222-1222.</p> <p>For emergency information concerning this product, call the OHP, Inc. emergency phone, 24 hours a day, at 1-800-356-4647.</p>	

Personal Protective Equipment (PPE) Requirements:

Applicators and other handlers must wear: coveralls worn over short-sleeved shirt and short pants, socks, chemical-resistant footwear, chemical-resistant gloves, such as barrier laminate, nitrile rubber, neoprene, and viton and protective eyewear. When cleaning equipment a chemical-resistant apron should also be worn.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

User Safety Recommendations

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.

ENVIRONMENTAL HAZARDS

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing equipment washwaters or rinsate.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wear eye protection (goggles, face shield or safety glasses) and waterproof gloves. Wash thoroughly with soap and water after handling, and before eating, chewing gum, using tobacco or using the toilet.

Net Contents: **1 Gallon (3.78 L)**



An American Vanguard Company

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 manner that will contact workers or other persons, either directly or through drift. Only protected workers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Read and follow all applicable directions and precautions on this label before using.

Agricultural Use Requirements

Use this product 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), restricted-entry interval, and notification to workers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS).

Entry-Restrictions: Do not enter or allow worker entry into treated areas during the restricted-entry interval 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, wear: coveralls worn over short-sleeved shirts and short pants, socks, chemical resistant footwear, chemical-resistant gloves and protective eye-wear.

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 treated areas until sprays have dried.

For early reentry to treated areas and that involves contact with anything that has been treated such as plants, soil, or water, wear: coveralls, shoes, socks, and chemical-resistant gloves.

Application Directions

Shake well before using. Dilute with water using the chart below as a guide. Use the 3% solution for small, easy-to-kill weeds, less than 5 inches tall, and for moss and algae. Use the 3 - 6% solution for larger perennial weeds and grasses. Use the 5 - 9% solution for tough to kill weeds, vines, brush and sucker control. Apply the mixed solution at 0.69 - 9.2 gallons/1,000 ft² (35 - 400 gallons per acre). In situations where weed pressure is high and/or weeds are larger than 5 inches, higher volumes are advised for acceptable control. Any standard sprayer can

be used, including machine and backpack. Do not apply this product by aerial application. Do not apply this product through any type of irrigation system. Spray weed thoroughly, using a coarse nozzle setting to reduce drift. Thorough coverage is extremely important. For spot treatment of individual weeds, apply the mixed solution to the center of plant to the point of runoff. Plant damage will be visible from a few hours to 2 days after spraying. Repeat treatment as needed to control new weeds growing from seed and regrowth from biennial and perennial weeds. Avoid spraying desirable plants. Thoroughly wash equipment after use.

Desired Volume of Spray Solution	Amount of FIREWORXX per Volume of Water		
	3% Solution	6% Solution	9% Solution
1 gallon	4 fl. oz.	8 fl. oz.	12 fl. oz.
5 gallons	19 fl. oz.	38 fl. oz.	58 fl. oz.
10 gallons	38 fl. oz.	77 fl. oz.	115 fl. oz.
35 gallons	1.1 gal.	2.2 gal.	3.3 gal.
50 gallons	1.5 gal.	3 gal.	4.5 gal.
100 gallons	3 gal.	6 gal.	9 gal.
400 gallons	12 gal.	24 gal.	36 gal.

Tank mixing with other herbicides: use 1% rate to improve efficacy of other herbicides including glyphosate, glufosinate, cyclohexanedione, sulfonylurea and imidazolinone; can be used to improve control of glyphosate resistant weeds. Observe all the precautions on all tank mix partner labels.

Product Information:

This product is a fast-acting, non-selective broadleaf weed, grass, algae and moss killer. This product is not translocated. It will burn only those plant parts that are coated with spray solution. This product can be used any time during the year and works best during warm and dry conditions. Application during cold weather may delay appearance of plant damage. If rain falls within 3 hours of treatment, an additional spray may be required. This product controls many common annual weeds and suppresses the growth of biennial and perennial weeds. It can be used in cultivated areas prior to planting crops. Areas can be re-planted as soon as desirable level of weed control is obtained.

- The active ingredient in this product is exempt from the requirement of a tolerance when in or on all food commodities.
- Treated surfaces may be slippery when wet.
- Non-selective herbicide
- Total vegetation killer
- Burndown herbicide
- Fatty acid herbicide
- Contact spray to control weeds
- Eliminates unwanted vegetation quickly
- Eliminates unwanted grasses and broadleaf weeds quickly
- Fast acting
- Minimal foaming
- Non-systemic
- Controls Weeds, Grass, Algae and Moss
- On Roofs, Decks, Patios, Walks, Bricks, and Cement
- Will not damage gutters, metal flashing or downspouts.
- Do not spray on lawns or desirable plants

Use Sites: Outdoors and Greenhouses

For use in and around all food and non-food crops, including but not limited to:

Crop Group	Crops	Use Methods
Berry and Small Fruits	Aronia berry; barberry; bayberry; bearberry; bilberry; blackberry; blueberry; boysenberry; buffaloberry; chokecherry; cloudberry; currant; cranberry; dewberry; elderberry; gooseberry; grape (includes raisin, table, wine); honeysuckle; huckleberry; jostaberry; Juneberry; kiwi; lingonberry; loganberry; mountain pepper berries; mulberry; muntries; partridgeberry; phalsa; pincherry; riberry; red and black raspberry; wild raspberry; salal; sea buckthorn; serviceberry; strawberry.	1. Vegetation Burndown 2. Directed and Shielded Sprays 3. Pre-plant Application 5. Sucker Control, Pruning and Trimming
Brassica Leafy Vegetables	Broccoli, Chinese broccoli, broccoli raab, broccolo; brussels sprouts; cauliflower; cavalo; Chinese cabbage (bok choy, napa); Chinese mustard; collards; kale; kohlrabi; mizuna; mustard greens; mustard spinach; rape greens; watercress.	1. Vegetation Burndown 2. Directed and Shielded Sprays 3. Pre-plant Application 4. Post-Harvest Spray (annual crops)
Leafy Vegetables	Amaranth; arugula; cardoon; celery; Chinese celery; celtuce; chervil; red chicory; chrysanthemum; corn salad; cress; dandelion; dock; endive; fennel; lettuce; orach; rhubarb; radicchio; parsley; purslane; spinach; Swiss chard.	1. Vegetation Burndown 2. Directed and Shielded Sprays 3. Pre-plant Application 4. Post-Harvest Spray (annual crops)
Root Vegetables	Beet; sugar beet; burdock; carrot; celeriac; chervil, chicory; ginseng; horseradish; parsnip; radish; rutabaga; salsify; skirret; turnip.	1. Vegetation Burndown 2. Directed and Shielded Sprays 3. Pre-plant Application 4. Post-Harvest Spray 6. Harvest Aid and Desiccation
Tuberous and Corm Vegetables	Arracacha; arrowroot; artichoke; canna; bitter and sweet cassava; chayote (root); chufa; ginger; leren; potato; sweet potato; taro; turmeric; yam bean; yam.	1. Vegetation Burndown 2. Directed and Shielded Sprays 3. Pre-plant Application 4. Post-Harvest Spray (annual crops) 6. Harvest Aid and Desiccation
Bulb Vegetables	Chive; daylily; fritillaria; garlic; kurrat; leek; bulb lily; onion; green onion; shallot.	1. Vegetation Burndown 2. Directed and Shielded Sprays 3. Pre-plant Application 4. Post-Harvest Spray (annual crops) 6. Harvest Aid and Desiccation

Crop Group	Crops	Use Methods
Citrus	Calamondin; citron; grapefruit; kumquat; lemon; lime; mandarin; orange; tangelo; tangerine; pummelo; uniuq fruit; cultivars, varieties, and/or hybrids of these.	1. Vegetation Burndown 2. Directed and Shielded Sprays
Cucurbits	Cantaloupe; Chayote (fruit); Chinese waxgourd; citron melon; cucumber; gherkin; edible gourd; honeydew; muskmelon; pumpkin; summer squash; winter squash (includes butternut squash, calabaza, hubbard squash, acorn squash, spaghetti squash); zucchini; watermelon.	1. Vegetation Burndown 2. Directed and Shielded Sprays 3. Pre-plant Application 4. Post-Harvest Spray
Cereal Grains	Barley; buckwheat; corn; millet; oats; popcorn; rice*; rye; sorghum; teosinte; triticale; wheat; wild rice*.	1. Vegetation Burndown 2. Directed and Shielded Sprays 3. Pre-plant Application 4. Post-Harvest Spray
Fruiting Vegetables	Cocona; currant; eggplant; goji berry; ground cherry; maranjilla; martynia; okra; pepino; pepper (includes bell pepper, chili pepper, cooking pepper, pimento, sweet pepper); roselle; sunberry; tomatillo; tomato; cultivars; varieties and/or hybrids of these.	1. Vegetation Burndown 2. Directed and Shielded Sprays 3. Pre-plant Application 4. Post-Harvest Spray
Legumes	Beans; broad bean (fava bean); chickpea (garbanzo bean); guar; jackbean; lablab bean (hyacinth bean); lentil; pea; soybean; sword bean.	1. Vegetation Burndown 2. Directed and Shielded Sprays 3. Pre-plant Application 4. Post-Harvest Spray
Oilseed	Borage; crambe; cuphea; echium; flax seed; gold of pleasure; hare's ear mustard; lesquerella; lunaria; meadowfoam; milkweed; mustard seed; oil radish; poppy seed; rapeseed (canola); sesame; sweet rocket, Calendula; castor oil plant; chinese tallowtree; euphorbia; evening primrose; jojoba; niger seed; rose hip; safflower; stokes aster; sunflower; tallowwood; tea oil plant; vernonia; cottonseed; cotton; cultivars, varieties, and/or hybrids of these.	1. Vegetation Burndown 2. Directed and Shielded Sprays 3. Pre-plant Application 4. Post-Harvest Spray 6. Harvest Aid and Desiccation
Stalk, Stem and Leaf Petiole Vegetables	Agave; aloe vera; asparagus; bamboo, shoots; celtuce; cardoon; fiddlehead fern; fuki; kohlrabi; palm hearts; prickly pear; udo; zuiki.	1. Vegetation Burndown 2. Directed and Shielded Sprays 3. Pre-plant Application 4. Post-Harvest Spray (annual crops)

Continued

Use Sites: Outdoors and Greenhouses *Continued*

For use in and around all food and non-food crops, including but not limited to:

Crop Group	Crops	Use Methods
Tree Nuts	Almond; beech nut; brazil nut; butternut; cashew; chestnut; chinquapin; coconut; filbert (hazelnut); hickory nut; macadamia nut; pecan; walnut; pine nut; pistachio.	1. Vegetation Burndown 2. Directed and Shielded Sprays 5. Sucker Control, Pruning and Trimming
Pome Fruits	Apples; azarole; crabapple; loquats; mayhaw; pears; quince; cultivars, varieties and/or hybrids of these.	1. Vegetation Burndown 2. Directed and Shielded Sprays 5. Sucker Control, Pruning and Trimming
Stone Fruit	Apricot; capulin; cherry; nectarine; peach; plum; plumcot; prune; sloe; cultivars, varieties, and/or hybrids of these.	1. Vegetation Burndown 2. Directed and Shielded Sprays 5. Sucker Control, Pruning and Trimming
Tropical and Subtropical Fruit	Avocado; banana; casaba; date; dragon fruit; guava; jackfruit; lychee; Spanish lime; loquat; lychee; mango; mangosteen; olive; papaya; passionfruit; pawpaw; persimmon; pineapple; plantain; pomegranate; prickly pear; sapote; soursop; star fruit; sugar apple; tamarind; white star apple.	1. Vegetation Burndown 2. Directed and Shielded Sprays 3. Pre-plant Application 4. Post-harvest Spray (annual crops) 5. Sucker Control, Pruning and Trimming
Herbs	Angelica; balm; basil; borage; burnet; camomile; catnip; chervil; chive; coriander (cilantro); costmary; culantro; curry; dillweed; horehound; hyssop; lavender; lemongrass; lovage; marigold; marjoram; nasturtium; parsley; pennyroyal; rosemary; rue; sage; savory; sweet bay; tansy; tarragon; thyme; wintergreen; woodruff; wormwood.	1. Vegetation Burndown 2. Directed and Shielded Sprays 3. Pre-plant Application 4. Post-Harvest Spray (annual crops)
Spices	Allspice; anise; annatto; caper; caraway; cardamom; cassia; celery seed; cinnamon; clove; coriander; cumin; dill seed; fennel; fenugreek; grains of paradise; juniper berry; lovage; mace; mustard seed; nutmeg; pepper (white and black); poppy seed; saffron; vanilla.	1. Vegetation Burndown 2. Directed and Shielded Sprays 3. Pre-plant Application 4. Post-Harvest Spray (annual crops)
Other Crops	Coffee; cocoa; hops; mint; peanut; peppermint; quinoa; tea; tobacco.	1. Vegetation Burndown 2. Directed and Shielded Sprays 3. Pre-plant Application 4. Post-Harvest Spray (annual crops) 5. Sucker Control, Pruning and Trimming

Crop Group	Crops	Use Methods
Nongrass Animal Feeds	Alfalfa, clover.	1. Vegetation Burndown 3. Pre-plant Application 4. Post-Harvest Spray
Terrestrial Non-Food Crops	Ornamental herbaceous plants; ornamental lawns and turf; bedding plants; ornamental woody shrubs; vines; ornamental shade trees; Christmas trees; forestry sites.	1. Vegetation Burndown 2. Directed and Shielded Sprays 5. Sucker Control, Pruning and Trimming 7. Structural and Building Applications
Terrestrial Non-Crop Sites	Around and on buildings, sidewalks, fences, trees, bark mulch, driveways and other right-of-ways, patios, gravel, on structures holding flowers, trees, shrubs, vines and vegetables, landscaped areas, lawns, and on and around buildings and structures, such as benches, walls, floors, and roofs in commercial, residential, institutional, recreational and industrial sites; railways.	7. Structural and Building Applications
Greenhouse	All crops, plants and structures.	1. Vegetation Burndown 2. Directed and Shielded Sprays 3. Pre-plant Application 7. Structural and Building Applications

* Do not apply when fields are flooded.

Use Methods

- 1. Vegetation Burndown:** General control of weeds, grass, algae and moss for site preparation and non-crop areas. Spot treatments may be used in crop and pasture situations. Applications may be made in and around desirable plants when contact of foliage and green bark is avoided.
- 2. Directed and Shielded Sprays:** Applications may be made around desirable plants when contact of foliage and green bark is avoided.
- 3. Pre-plant Application:** Prior to Emergence of Plants from Seed, Perennial Rootstocks, and Bulbs, Tubers etc. Ensure applications are made before new growth or crop emerges from soil or damage will occur.
- 4. Post-Harvest Spray:** To control weeds, grass, moss and algae growing in fields after the commodity has been harvested.
- 5. Sucker Control, Pruning and Trimming:** To burn back and control epicormic shoots, sucker growth, and other unwanted growth on woody trees, foliage growth on vines, excessive cane growth in brambles, or other listed use sites. 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, seed crops and cotton. Applications must be made at least 24 hours prior to harvest to ensure full burndown.

7. Structural and Building Applications: To control weeds, grass, moss and algae in and around buildings and structures such as benches, walls, floors, and roofs.

STORAGE AND DISPOSAL

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

STORAGE: Store in a secure place, away from open fire or flame. Keep container closed and reseal after use. Product may be damaged by freezing. Do not store product below 39°F. If spilled, use absorbent materials and dispose of in an approved manner.

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

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available.

NOTICE TO BUYER:

To the extent consistent with applicable law, seller warrants that this product conforms to the chemical description on this label and is reasonably fit for purposes stated on this label only when used in accordance with directions under normal use conditions. This warranty does not extend to use of this product contrary to label directions, or under abnormal use conditions, or under conditions not reasonably foreseeable to seller. Buyer assumes all risk of any such use. To the extent consistent with applicable law, seller makes no other warranties, either expressed or implied.



FireWorxx is a trademark of W. Neudorff GmbH KG.

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ESL102319 REV121719
OHP982644



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