



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Biopesticides and Pollution Prevention Division (7511P)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

3-24

Date of Issuance:

09/14/2022

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Vinegar Grass & Weed Killer II

Name and Address of Registrant (include ZIP Code):

P.F. Harris Manufacturing Company, LLC  
P.O. Box 1922  
Cartersville, GA 30120

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention Division prior to use of the label in commerce. In any correspondence on this product, always refer to the above EPA Registration Number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA or the Act).

Registration is in no way to be construed as an endorsement or recommendation of this product by the U.S. Environmental Protection Agency (EPA). In order to protect health and the environment, the Administrator, on his or her motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under the Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration or registration review of your product when the EPA requires all registrants of similar products to submit such data.

Signature of Approving Official:

Andrew Bryceland Burnett, Team Leader  
Biochemical Pesticides Branch  
Biopesticides and Pollution Prevention Division (7511P)  
Office of Pesticide Programs

Date:

09/14/2022

2. Make the following labeling change before you release this product for shipment:
  - Revise the EPA Registration Number to read, “EPA Reg. No. 3-24”
3. Submit one (1) copy of the final printed labeling for the record before you release this product for shipment.

Should you wish to add/retain a reference to your company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6. A stamped copy of the labeling is enclosed for your records. Please also note that the record for this product currently contains the following acceptable Confidential Statement of Formula (CSF):

- Basic CSF dated 09/08/2022

Any CSFs other than those listed above are superseded.

If you have any questions, please contact Susannah Powell of my team via email at [powell.susannah@epa.gov](mailto:powell.susannah@epa.gov).

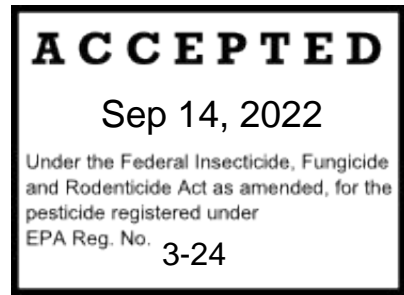
Sincerely,



Andrew Bryceland, Team Leader  
Biochemical Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511P)  
Office of Pesticide Programs



## VINEGAR GRASS & WEED KILLER II



A Horticultural Vinegar Biopesticide - for Non-Selective Control of Herbaceous Broadleaf Weeds and Weed Grasses which Surround Food crops, Non-food crops and Non-production Agricultural, Farmstead, Right-of-Way, and Institutional Land Sites

**Active Ingredient:**

Acetic Acid .....20.0%\*  
Other Ingredients ..... 80.0%  
Total ..... 100.0%

\*Equivalent to 200 grain vinegar by titration

### KEEP OUT OF REACH OF CHILDREN DANGER –PELIGRO

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 label side [back] panels First Aid and additional precautionary statements.

Net Contents: 1 gallon (128 fl. oz.) (3.785 L)  
[other sizes]

### FIRST AID

**IF IN EYES:** Hold eyelids open and flush with a steady, gentle stream of 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 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 further treatment advice.

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by poison control center or doctor. Do not give anything by mouth to an unconscious person.

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

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-858-7378 for emergency medical treatment.

## NOT FOR HUMAN CONSUMPTION

### PRECAUTIONARY STATEMENTS

#### Hazards to Humans and Domestic Animals

#### DANGER

Corrosive - causes irreversible eye damage. Wear goggles or face shield when handling. Harmful if absorbed through skin. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists. Wash thoroughly with soap and water after handling. Wear personal protection equipment when handling and/or applying.

**PERSONAL PROTECTION EQUIPMENT (PPE):** Applicators and other handlers must wear appropriate protective eyewear, such as face shield or goggles and face mask (with MSHA/NIOSH approval number prefix such as N95, R-95, or P-95), long sleeved shirt and long pants, waterproof gloves and shoes plus socks.

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

**USER SAFETY RECOMMENDATIONS:** Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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:**

- This pesticide is toxic to birds exposed to spray drift, direct treatment or residues on crops or weeds. Do not apply this product or allow to drift to crops or weeds if birds are actively visiting the treatment area.
- This pesticide is toxic to fish and aquatic invertebrates.
- For terrestrial use only. Do not apply directly to water.

**DIRECTIONS FOR USE:**

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Read the entire label before using. 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 regulation.

Avoid application to reactive metals such as aluminum, tin, iron, or items such as fencing or lawn furniture in order to prevent staining, mottling, or otherwise interfering with finished metal surfaces. In case of contact, rinse the sprayed surfaces with water.

Avoid repeated applications on concrete, since this product, as all other acids may result in etching of cement.

#### 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 (REI). 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 treated areas during the restricted entry interval (REI) of 48 hours. PPE required for early entry to treated areas (that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water) is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

#### 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 (WPS) 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.

Do not enter or allow worker entry to treated areas during the restricted entry interval (REI) of 48 hours.

Keep unprotected persons out of the treated areas until spray has dried.

This product is a quick-acting, non-selective contact herbicide containing an organic acid for which the residues degrade promptly in the soil. Foliar contact results in rapid desiccation and control of annual weeds and grasses, and top growth reduction of herbaceous perennial weeds and grasses (see table below). For control of established perennial weeds, retreatment may be necessary. This product may be applied up to two days before harvest.

TYPICAL WEEDS CONTROLLED

ANNUAL BROADLEAF WEEDS	PERENNIAL BROADLEAF WEEDS	PERENNIAL GRASSES AND SEDGE
<p>Black medic Chickweed Black Nightshade Cinquefoil (rough) Common groundsel Hairy nightshade Lambsquarters Mustard spp. Oxalis spp. Pigweed spp. Ragweed spp. Shepherd's-purse Smartweed (Lady's Thumb) Velvetleaf Henbit</p>	<p>Amaranthus, spp Canada thistle Cinquefoil (silvery) Dandelion Ground ivy Milkweed Plantain spp. Toadflax Tufted vetch Wild carrot Moss <b>ANNUAL GRASSES</b> Crabgrass Foxtail grasses (Setaria spp.) Italian ryegrass Poa annua Barnyard grasses</p>	<p>Bluegrass Nutsedge Quackgrass Witchgrass  <b>LIVERWORTS*</b> <i>*For Liverworts, dilute this product at a rate of 1 gallon of this product to 2 gallons of water.</i>  <i>For all other weeds use full strength.</i></p>

DO NOT SPRAY DIRECTLY ONTO FOOD CROPS

Use this product to control weeds that surround all food crops, nonfood crops (ornamentals) and non-production agricultural, farmstead, right-of-way, and institutional land sites. Use to control weeds in interstate freeways/highways, federal and state highways and city/county roads and walkways, railroad vacant lots. Suitable to keep down weeds in all botanical and private association ornamental gardens, kennels, dog runs, and other animal enclosures and walkways.

DRIFT MANAGEMENT

\* Drift is the off-site movement of spray away from the intended target. Managing drift is important for the protection of endangered species. In addition, this product is non-selective so it will severely injure or kill any crop plants or other plants it comes in contact with.

\* Do not apply this product by aerial application.

\* Do not apply when wind conditions favor movement of spray away from the site of application.

\* When applying this product in a broadcast application utilize a hooded sprayer, shielded or other spray equipment that prevents the movement of spray away from the target.

\* Utilize nozzles that are designed to produce large spray droplets to reduce drift.

**EARLY SEASON ANNUAL WEED CONTROL:** Apply this product when weeds are small (3 to 5 leaf stage) and actively growing. Spray this product on unwanted weeds (vegetation) to the point of wetness. For best results spray on dry leaves at temperatures between 50- and 75-degrees Fahrenheit. Conditions of high evaporation rates (temperatures high than 75 degrees Fahrenheit and low relative humidity) may result in reduced efficacy. Since dilution of this product will reduce effectiveness, do not dilute. Avoid spraying landscape plants, ornamentals and other desirable foliage as this product causes severe injury to desirable plants.

**NOTE:** ALL CONTACTED VEGETATION WILL BE AFFECTED. DO NOT ALLOW THIS PRODUCT TO COME IN CONTACT WITH DESIRABLE PLANTS. OVERSPRAY OR DRIFT WILL INJURE OR KILL CONTACTED VEGETATION INCLUDING ANY CROP PLANTS.

**Turf and Ornamentals** - Such as but not limited to woody ornamentals, potted crops, foliage plants, greenhouses, shade houses, and any other plant production structure in which the product can be applied without contacting desirable plants. Applications to weeds in turf will kill surrounding turf.

**Crops** – For all crops listed below, do not broadcast within the growing crop. Apply only with shielded or hooded spray equipment to weeds growing between crop rows. Any contact with the crop will cause crop injury. For all tree crops and fruit crops listed below, spray must be directed under the crop canopy. In crops where cultivation is possible, cultivate crop middles and reduce the sprayed area by directing the application to the uncultivated base of crop plants.

Citrus fruit – such as but not limited to orange, grapefruit, lemon, lime.

Pome fruit – such as but not limited to apple and pear.

Stone fruit – such as but not limited to cherry, peach, nectarine, plum.

Tree nuts – such as but not limited to almond, pecan, pistachio, coconut, betel nut, cashew, walnut.

Tropical fruit – such as but not limited to avocado, guava, jujube, noni, mango, star fruit, sugar apple, papaya, Lychee, passion fruit, banana, date, olive, tamarind, pineapple.

Berries and small fruit – such as but not limited to strawberry, blackberry, raspberry, blueberry, cranberry, grapes, lingonberry, Saskatoon berry, kiwi fruit, maypop

Root and tuber vegetables and leaves of root and tuber vegetables – such as but not limited to carrot, potato, radish, sugar beet, turnip tops, garden beet leaves, sugar beet leaves.

Leafy vegetables – such as but not limited to celery, head lettuce, leaf lettuce, spinach.

Brassica vegetables (cole crops) – such as but not limited to broccoli, cauliflower, cabbage, collard, mustard greens.

Fruiting vegetables – such as but not limited to tomato, bell pepper, chili pepper, eggplant, okra



Cucurbit vegetables – such as but not limited to cucumber, squash, cantaloupe, watermelon.

Bulb vegetables – such as but not limited to onion, green onion, shallots, garlic.

Herbs and spices – such as but not limited to basil, dill, chive, parsley, cilantro, celery seed, dill seed.

Legume vegetables and leaves of legume vegetable – such as but not limited to soybeans, peas, beans, guar and their leaves.

Forage crops – grass and non-grass animal feeds – such as but not limited to bermuda grass, fescue, bluegrass, clover, alfalfa.

Cereal grains and their straw or fodder – such as but not limited to corn, rice (except flooded rice), wheat, rye, barley, millet, sorghum, amaranth.

Oilseed crops – such as but not limited to canola, sunflower, flax, rapeseed, mustard, guayule, crambe.

Medicinal crops – such as but not limited to echinacea, St. John's wort, ginkgo, valerian, ginseng.

Miscellaneous crops – such as but not limited to aloe vera, Prickly pear cactus, sugar maple and sweet sorghum for syrup production, peanuts, sugarcane, artichoke, cotton, asparagus, kava-kava, mint, hops, stevia, jojoba, hemp, tobacco, tea, and coffee.

Mushrooms – Apply preplant only. Do not apply directly to mushroom beds.

**FOR SPOT TREATMENT APPLICATION:** Direct spray with a single nozzle or hand-gun applicator to thoroughly wet undesirable foliage. Re-treatment of perennial weed growth may be required for control.

**FOR BROADCAST SPRAY APPLICATIONS:** For broadcast spray application to control weeds. Application types include pre-plant (prior to crop establishment), preharvest desiccation (to kill crop foliage prior to harvesting the crop) postharvest crop desiccation (remaining crop residues after crop has been harvested).

Use 44 to 88 fluid ounces (1.375 to 2.75 quarts) of this product per 1000 square feet. One gallon will treat approximately 1450 to 2900 square feet. Thorough coverage is necessary to achieve desirable control. For dense weed populations and/or heavy foliage, use the higher spray volume to ensure adequate coverage. Apply with flat fan nozzles and at sufficient pressure to achieve required coverage, but do not exceed a pressure 35 PSI. When applying this product in a broadcast application within a growing crop, utilize a hooded sprayer, shielded, or other spray equipment that prevents the movement of spray away from the target. For pre-plant burndown of young vegetation, use of wide-angle nozzles (110 degrees or wider) spaced close together enable the boom to be positioned lower and closer to the spray target, reducing the potential for drift.

**POST- DIRECTED (Row middles, shielded sprayer or hooded sprayer):**

Use 44 to 88 fluid ounces (1.375 to 2.75 quarts) of this product per 1000 square feet. One gallon will treat approximately 1450 to 2900 square feet. Thorough coverage is necessary to achieve desirable control. For dense and/or heavy weed populations, use the higher spray volume to ensure adequate coverage. Apply with flat fan nozzles and at the lowest pressure needed to achieve required coverage, but do not exceed 35 PSI. If treating along the side of crop plants, shielded or hooded sprayers must be used to avoid crop injury.

**SPRAY EQUIPMENT:**

- o Do not apply this product by aerial application.
- o Do not apply when wind conditions favor movement of spray away from the site of application.
- o When applying this product in a broadcast application utilize a hooded sprayer, shielded, or other spray equipment that prevents the movement of spray away from the target.
- o Utilize nozzles that are designed to produce large spray droplets to reduce drift.
- o Spray nozzles need to be plastic or 316 stainless steel as this product will eventually corrode any other metal.

**FOR CONTROL OF LARGER ANNUALS AND BURNDOWN OF PERENNIAL WEED GROWTH:** Larger annual weeds and perennials are more difficult to control and may require retreatment. Treat initially as recommended above and repeat if new growth of leaves appears. Thorough coverage of all weed foliage is necessary to achieve desirable control. To reduce the amount of product required to control well-established weed stands, mow to a height of 4-6 inches and remove cut vegetation before applying this product.

**TIMING OF APPLICATIONS:** Best results are achieved from applications to actively growing young weeds. Weeds that are mature, dormant, or hardened due to moisture stress are more tolerant of herbicide treatments. For best results spray on dry leaves at temperatures between 50- and 75-degrees Fahrenheit. Conditions of high evaporation rates (temperatures high than 75 degrees Fahrenheit and low relative humidity) may result in reduced efficacy. Only contacted vegetation will be affected.

**DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.**

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Keep from freezing. Store only in original tightly sealed container and out of reach of children.

**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:** Refillable container. Refill this container with acetic acid only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment. Fill the container about 10 percent full of water. Agitate vigorously or recirculate the water with a pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two or more times.

**WARRANTY STATEMENT:** To the extent required by law, P.F. Harris Manufacturing Company, LLC warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label only when used in accordance with the label directions. P.F. Harris Manufacturing Company, LLC makes no other express or implied warranties either of merchantability or fitness for a particular use and shall not be liable for misuse or conditions beyond its control, such as handling or storage.

*{Or alternate text:}*

[NOTICE: To the extent consistent with applicable law, buyer assumes all responsibility for safety and use not in accordance with directions.]

EPA Reg. No. 3-XX

EPA Est. No. 89964-GA-1 (G) or 3-GA-1 (P)

Letter in parenthesis at the end of the EPA Est. No. indicates manufacturing location and corresponds to the first letter in lot number on container.

Manufactured by (for):

**P.F. Harris Manufacturing Company, LLC**

P.O. Box 1922

Cartersville, GA 30120

1-800-637-0317

[www.pfharris.com](http://www.pfharris.com)

**PRODUCT CODE:**

**ESL REV**

**[Bar code][QR Code]**

[OPTIONAL PICTOGRAMS]



[ ] Denotes alternate/optional language

{ } Denotes language that does not appear on market labels