



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

December 2, 2020

Wendy A. McCombie  
Agent for J. R. Simplot Company  
J.R. Simplot Company  
PO Box 27  
Boise ID 83707

Subject: PRIA Label Amendment – New Use of Sulfuric Acid on Hops  
Product Name: Sulfuric Acid Desiccant  
EPA Registration Number: 8917-18  
Application Date: 01/31/2019  
Decision Number: 548695

Dear Ms. McCombie:

The application referred to above, submitted under the Federal Insecticide, Fungicide and Rodenticide Act, as amended is acceptable under FIFRA sec 3 (c)(5). You must submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

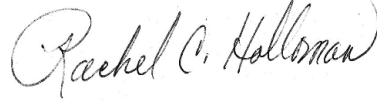
A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements 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 Agency 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.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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with FIFRA section 6. If you have any questions, please contact Manjula Unnikrishnan by phone at 703-347-8520, or via email at [unnikrishnan.manjula@epa.gov](mailto:unnikrishnan.manjula@epa.gov).



Rachel Holloman, Chief  
Fungicide Herbicide Branch,  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosure

**RESTRICTED USE PESTICIDE**  
DUE TO SEVERE TISSUE CORROSIVE ACTION  
For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

# SULFURIC ACID DESICCANT

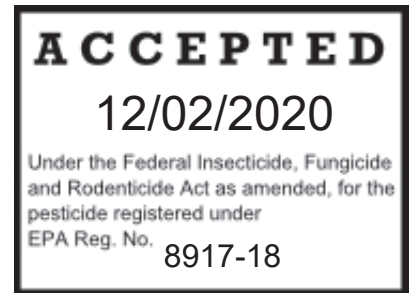
## FOR POTATO AND HOP VINES

ACTIVE INGREDIENTS:	BY WT.
Sulfuric Acid .....	93.0%
OTHER INGREDIENTS: .....	7.0%
TOTAL .....	100.0%

EPA Reg. No. 8917-18

EPA Est. No. 008917-ID-33

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER / PELIGRO**  
**POISON**



Si usted no entiende la etiqueta, busque a alguien para que se la explique en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

**CAUSES SEVERE BURNS.** Contents may be under pressure of explosive hydrogen gas. Keep away from heat, sparks and flames. **DO NOT** add water to container because of violent reactions.

FIRST AID
<p><b>IF SWALLOWED:</b></p> <ul style="list-style-type: none"><li>• Call poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• <b>DO NOT</b> induce vomiting unless told to by a poison control center or doctor.</li><li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li></ul> <p><b>IF IN EYES:</b></p> <ul style="list-style-type: none"><li>• 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.</li><li>• Call a poison control center or doctor immediately for treatment advice.</li></ul> <p><b>IF ON SKIN or CLOTHING:</b></p> <ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor immediately for treatment advice.</li></ul> <p><b>IF INHALED:</b></p> <ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor immediately for treatment advice.</li></ul>
<p><b>HOT LINE NUMBER</b></p> <ul style="list-style-type: none"><li>• Have the product container or label with you when calling a poison control center or doctor or going for treatment.</li><li>• You may also contact the National Pesticide Information Center at 1-800-858-7378 for emergency medical treatment information.</li></ul>

## **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

### **DANGER / PELIGRO**

Corrosive. Causes irreversible eye damage and severe skin burns. May be fatal if swallowed or absorbed through skin or inhaled. **DO NOT** get in eyes, on skin or on clothing. **DO NOT** breathe spray mist. **DO NOT** breathe spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Prolonged or frequently repeated skin contact with dilute solutions (such as equipment washwaters or rinsate) may cause allergic reactions in some individuals.

### **PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other handlers must wear:

- Chemical-resistant protective suit
- Chemical (acid)-resistant gloves, such as neoprene, butyl rubber or polyethylene
- Chemical-resistant footwear plus socks
- Protective eyewear
- A minimum of an elastomeric half face NIOSH approved respirator with any N1, R or P filter (TC-84A), OR a full face NIOSH approved particulate respirator with any N1, R or P filter (TC-84A); OR a NIOSH approved powered air purifying respirator with an HE filter (TC-21C)

An adequate supply of water for drenching purposes must be immediately available. 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 PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### **ENGINEERING CONTROLS**

Mixers and loaders must use a closed system that meet the requirements listed in the WPS for agricultural pesticides [40 CFR 170.607(d)(2)(i) &(ii)] for dermal and inhalation protection.

At any disconnect point, the system must be equipped with a dry disconnect or dry couple shut-off device that is warranted by the manufacturer to minimize drippage to no more than 2 ml per disconnect.

Mixers and loaders must:

- wear the following PPE: long-sleeve shirt, long pants, shoes, socks, chemical-resistant gloves, and chemical-resistant apron,
- wear protective eyewear, if the system operates under pressure, and
- be provided and must have immediately available for use in an emergency, such as a broken package, spill, or equipment breakdown: chemical-resistant footwear plus socks, and respirator as described in the Respirator section of this label.

Applicators using motorized ground equipment must use an enclosed cab that meets the definition in the Worker Protection Standard for Agricultural Pesticides [40 CFR 170.305] for dermal and inhalation protection. In addition, applicators must:

- wear the following PPE: long-sleeve shirt, long pants, shoes, socks,
- be provided and have immediately available for use in an emergency when they must exit the cab in the treated area: coveralls, chemical-resistant gloves, chemical-resistant footwear,

chemical-resistant headgear, if overhead exposure, respirator as described in the Respirator section of this label

- take off any PPE that was worn in the treated area before reentering the cab, and
- store all such PPE in a chemical-resistant container, such as a plastic bag, to prevent contamination of the inside of the cab.

#### **USER SAFETY RECOMMENDATIONS**

##### **USERS SHOULD:**

1. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
2. 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 extremely toxic to fish and wildlife. **DO NOT** apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. **DO NOT** apply when weather conditions favor drift from treated areas. **DO NOT** contaminate water by cleaning of equipment or disposal of wastes.

READ THE ENTIRE LABEL BEFORE USING THIS PRODUCT. USE ONLY ACCORDING TO LABEL INSTRUCTIONS.

**NOTICE:** Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions For Use, Use Restrictions, and Storage and Disposal Instructions. If the Conditions of Sale and Warranty are not acceptable, return the product unopened within thirty (30) days of purchase to the place of purchase.

#### **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 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 requirement 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 protective equipment (PPE), notification to workers, and restricted entry intervals. The requirements in this box only apply to uses of this product that are not covered by this Worker Protection Standard.

**DO NOT** enter or allow worker entry into treated areas during the restricted entry interval (REI) of five (5) days. 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:

- Chemical-resistant protective suit
- Chemical (acid)-resistant gloves, such as neoprene, butyl rubber or polyethylene
- Chemical-resistant footwear plus socks
- Protective eyewear

- A minimum of an elastomeric half face NIOSH approved respirator with any N1, R or P filter (TC-84A), OR a full face NIOSH approved particulate respirator with any N1, R or P filter (TC-84A); OR a NIOSH approved powered air purifying respirator with an HE filter (TC-21C)

Notify workers of the application by warning them orally and posting warning signs at entrances to treated areas.

### **MANDATORY SPRAY DRIFT**

#### Ground Boom Applications

- User must only apply with the nozzle height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- Applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

### **SPRAY DRIFT ADVISORIES**

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

**IMPORTANCE OF DROPLET SIZE:** An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

#### Controlling Droplet Size – Ground Boom

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

#### BOOM HEIGHT – Ground Boom

Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, the boom should remain level with the crop and have minimal bounce.

### **SHIELDED SPRAYERS**

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

### **TEMPERATURE AND HUMIDITY**

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

### **TEMPERATURE INVERSIONS**

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers

and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

#### WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS. Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

#### FOR USE ONLY ON LAND WEST OF THE MISSISSIPPI RIVER.

**AERIAL APPLICATIONS ARE PROHIBITED.** Only apply this product using motorized ground equipment.

**DECONTAMINATION:** At a minimum, 100 gallons of water must be secured to supply trucks during mixing and loading operations. At a minimum, 30 gallons must be attached to the pesticide application vehicle at all times of pesticide application.

**TO KILL POTATO VINES:** Apply undiluted Sulfuric Acid Desiccant For Potato Vines at 17-28 gallons per acre, per application. Apply at least 5 days prior to harvest to allow tubers to mature. Repeat after 5 days if vines are not completely desiccated.

#### Restrictions:

Single maximum use rate: 28 gallons per acre, per application

Yearly use maximum rate: 56 gallons per acre

Maximum number of applications: 2 applications per year

Restricted Entry Interval (REI): 5 days

Pre-Harvest Interval (PHI): **DO NOT** harvest within 5 days of application.

**HOP VINE PRUNING MANAGEMENT:** Sulfuric Acid Desiccant for use in the burn back of existing hop vines and to obtain even emergence of subsequent hop vines. Apply undiluted Sulfuric Acid Desiccant to hops vines at a rate of 10-28 gallons per acre, per application. Applications may begin after vine emergence until 5 days prior to vine stringing. Repeat after 5 days if vines are not adequately pruned.

#### Restrictions:

Single maximum use rate: 28 gallons per acre, per application

Yearly use maximum rate: 36 gallons per acre

Maximum number of applications: 2 applications per year when applied at reduced rates

Restricted Entry Interval (REI): 5 days

Pre-Harvest Interval (PHI): **DO NOT** harvest within 5 days of application.

#### STORAGE AND DISPOSAL

**PESTICIDE STORAGE: DO NOT** contaminate water, food or feed by storage or disposal. Contents may be under pressure of explosive hydrogen gas. Keep away from heat, sparks and flames. **DO NOT** add water to container because of violent reactions.

**SPILL:** In case of spill, collect liquid or absorb onto absorbent material and package for disposal according to Pesticide Disposal directions.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency or the hazardous waste representative at the nearest EPA Regional Office for guidance.

**EMPTY CONTAINER DISPOSAL:** Triple rinse ( or equivalent ). NOTE: Only containers with minimal residue can be rinsed. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

**BULK CONTAINERS:** Empty container as completely as possible and return to specified destination for cleaning and reuse.

CONDITIONS OF SALE AND WARRANTY: J. R. Simplot Company warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW J. R. SIMPLOT COMPANY MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANT ABILITY OR FITNESS FOR A PARTICULAR USE. Handling, storage and use of the product by Buyer or User are beyond the control of J. R. Simplot Company and Seller. To the extent consistent with applicable law risks such as crop injury, ineffectiveness or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property or failure to follow label directions will be assumed by the Buyer or User. To the extent consistent with applicable law in no case will J. R. Simplot Company or Seller be held liable for consequential, special or indirect damages resulting from the handling, storage or use of this product.

**NET CONTENTS:**

Manufactured in USA by:



J. R. Simplot Company • P.O. Box 198 • Lathrop, CA 95330

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1096/0703 (02 version)