



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505T)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

9768-56

Date of Issuance:

7/7/25

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Thatcher Sulfuric Vine Desiccant

Name and Address of Registrant (include ZIP Code):

Thatcher Company, INC.
P.O. Box 27407
Salt Lake City, Utah 84127-0407

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration 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).

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his 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 this 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/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

Continues page 2

Signature of Approving Official:

Manjula Unnikrishnan, Product Manager 21
Fungicide Branch, Registration Division (7505T)

Date:

7/7/25

2. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 9768-56."
3. Submit one copy of the final printed label for the record before you release the product for shipment.

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 FIFRA 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) lists 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.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

The record for this product currently contains the following CSF(s):

- Basic CSF dated 03/06/2025
- Alternate CSF 1 dated 03/06/2025

If you have any questions, please contact Raven Crosby at 202-566-0829 or at crosby.raven@epa.gov.

Enclosure

ACCEPTED

07/07/2025

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 9768-56

1

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

THATCHER SULFURIC VINE DESICCANT

Sulfuric Acid Desiccant for Potato Vines

ACTIVE INGREDIENT: Sulfuric acid	93.0%
%OTHER INGREDIENTS:	7.0%
TOTAL	100.0%

This product contains 14.3 lb of Sulfuric Acid per gallon

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

EPA Reg. No.: 9768-XXX

EPA Est. No.: 9768-UT-001

First Aid	
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 treatment advice.
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, CLOTHES	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 SWALLOWED	Call a poison control center or doctor immediately for treatment advice.
	Have person sip a glass of water or milk 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.
HOT LINE NUMBER	
Have label information available for point control call or medical treatment. You may also contact CHEMTREC 1-800-424-9300	
Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage. Avoid alcohol.	

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

PRECAUTIONARY STATEMENTS**HAZARDS TO HUMANS AND DOMESTIC ANIMALS:**

CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE AND 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 BREATH SPRAY MIST. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Prolonged or repeated skin contact with dilute solutions (such as equipment wash waters or rinsate) may cause allergic reactions in some individuals.

Personal Protective Equipment

Applicators and other Handlers must wear:

- Chemical-resistant protective suit and Chemical-resistant apron.
- Chemical (acid)-resistant gloves (neoprene, butyl rubber or polyethylene)
- Chemical-resistant boots
- Chemical-resistant headgear and 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). Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE filter. 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.

An adequate supply of water for drenching purposes needs to 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 exist, 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 meets 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.

Mixer and loaders must:

- wear the following PPE: long-sleeved 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-sleeved 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.
- 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:

- 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 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.

PHYSICAL AND CHEMICAL HAZARDS:

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.

DIRECTIONS FOR USE: RESTRICTED USE PESTICIDE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. The applicator is responsible for avoiding off-site spray drift. Be aware of nearby non-target sites and environmental conditions. 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.

THE USE OF THIS PRODUCT IS RESTRICTED TO LANDS WEST OF THE MISSISSIPPI RIVER.

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), notification to workers, and restricted entry intervals. The requirements in this box only apply to uses of this product that are covered by this Worker Protection Standard.

Do not enter or allow worker entry into treated area 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 (long-sleeve shirt and long pants)
- Chemical (acid)-resistant gloves, such as neoprene, butyl rubber or polyethylene and Chemical - resistant apron
- Chemical-resistant footwear plus socks
- Protective eyewear and chemical-resistant gloves
- A NIOSH approval powered air purifying respirator with an OV cartridge and combination HE filter (TC-23C)

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

MANDATORY SPRAY DRIFT REQUIREMENTS

Ground Boom Applications

- User must only apply with the nozzle height recommended by the manufacturer, but no more than 3 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.

Boom-less Ground Applications

- Applicators are required to use a medium or coarser droplet size (ASABE S572.1) for all applications.
- 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.

BOOM-LESS GROUND APPLICATIONS:

Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

HANDHELD TECHNOLOGY APPLICATIONS:

Take precautions to minimize spray drift.

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/acre (243-400 lbs active ingredient/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.

Use Restrictions:

Max Single use = 30 gallons/acre (429 lbs active ingredient/acre).

Max yearly use = 90 gallons/acre/year (1287 lbs active ingredient/acre/year).

Max # of application per year = Three (3) times.

Retreatment interval (RTI) = Five (5) days.

Pre-Harvest interval (PHI) = Five (5) days.

Do not apply by air.

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.

CONTAINER HANDLING: Refillable container. Refill this container with 93% sulfuric acid desiccant only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal. Empty the remaining contents from this container into application equipment or mix tank and continue to drain for 10 seconds after flow begins to drip. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then refill or offer for recycling or reconditioning, or puncture and dispose of in appropriate landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

CONDITIONS OF SALE AND WARRANTY:

Thatcher Group, Inc. 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 THATCHER GROUP, INC. MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Handling, storage and use of the product by Buyer or User are beyond the control of Thatcher Group, Inc. 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 Thatcher Group, Inc. or Seller be held liable for consequential, special or indirect damages resulting from the handling, storage or use of this product.

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