



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

EPA Reg. Number:

96029-2

Date of Issuance:

8/5/2024

NOTICE OF PESTICIDE:

☒ Registration

☐ Reregistration

(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

TRICOTEN WP

Name and Address of Registrant (include ZIP Code):

Agrotecnologías Naturales S.L.  
Ctra.T-214, s/n Km 4,125  
43762 Riera de Gaià La  
Tarragona, Spain

**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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the U.S. Environmental Protection Agency. 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:

*Cody Kendrick*

Cody Kendrick, Senior Regulatory Advisor  
Microbial Pesticides Branch  
Biopesticides and Pollution Prevention Division (7511M)  
Office of Pesticide Programs

Date:

8/5/2024

2. Make the following labeling change before you release this product for shipment:
  - Revise the EPA Registration Number to read, "EPA Reg. No. 96029-2."
3. Submit one (1) copy of the final printed labeling for the record before you release this product for shipment.
4. If, following consultation with the United States Fish and Wildlife Service, the Service identifies additional mitigation measures are necessary to prevent adverse effects to any listed species or their designated critical habitat, EPA will notify registrants in writing within 45 calendar days of completion of any such consultation of any necessary required changes. Pursuant to this proposed registration term, within 30 calendar days of receiving EPA's notice, registrants must submit an amendment application incorporating any required changes, including amended labels. Alternatively, Agrotecnologías Naturales S.L. must submit a request for voluntary cancellation of the product. If this term of registration is not met, EPA may cancel the registration under an expedited process under FIFRA 6(e).

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 statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 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 07/26/2024

If you have any questions, please contact Bibiana Oe by phone at (202) 566-1538 or via email at [oe.bibiana@epa.gov](mailto:oe.bibiana@epa.gov).

Sincerely,

A handwritten signature in black ink that reads "Cody Kendrick". The script is cursive and fluid, with the first letters of each word being capitalized and slightly larger than the rest of the letters.

Cody Kendrick, Senior Regulatory Advisor  
Microbial Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511M)  
Office of Pesticide Programs

Enclosure

# TRICOTEN WP

**For control of fungal diseases on field tomatoes, lettuce, and grapevine, tomatoes in greenhouses, and for use as a seed treatment for cereal grains**

## ACTIVE INGREDIENT:

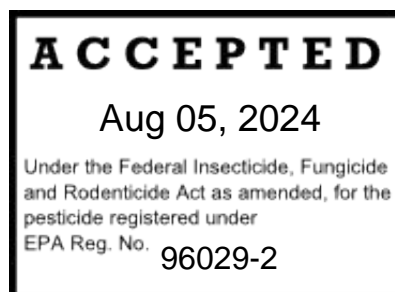
*Trichoderma atroviride* strain AT10 ..... 100%  
Product contains a minimum concentration of  $1 \times 10^8$  CFU/gram

## KEEP OUT OF REACH OF CHILDREN CAUTION

{Optional referral statements when booklets and container labels are used, or when First Aid statement is not on front panel:} [See [side][back] panel for [additional][complete] Precautionary Statements [First Aid] [and Directions for Use].] [See booklet for [additional] Precautionary Statements, Directions for Use, and Storage and Disposal.] [See booklet for complete Directions for Use.] [See booklet for additional Precautionary Statements and Directions for Use.]

FIRST AID	
If swallowed	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
If on skin or clothing	<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 for treatment advice.</li> </ul>
<b>HOTLINE NUMBER:</b> Have the product container or label with you when calling a poison control center, doctor, or going for treatment. For non-emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 (NPIC Web site: <a href="http://www.npic.orst.edu">www.npic.orst.edu</a> ). For emergencies, call the poison control center 1-800-222-1222, 24 hours a day, 7 days a week.	

EPA Reg. No. 96029-E  
EPA Est. No.  
Batch Code:  
Net Contents:



## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

**CAUTION.** Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

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

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear
- Mixer/loaders and applicators must wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R or P filter; OR a NIOSH-approved elastomeric particulate respirator with any N, R or P filter; OR a NIOSH-approved powered air-purifying respirator with an HE filter. (Repeated exposures to high concentrations of microbial proteins can cause allergic sensitization.)

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.

### **USER SAFETY RECOMMENDATIONS**

Users should:

- Remove clothing/PPE 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 disposing of equipment washwater or rinsate.

## 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 requirements specific to your State or Tribe, consult the State or Tribal 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 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 into treated areas during the restricted-entry interval (REI) of 4 hours.

Exception: If the product is soil injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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:

- Protective eyewear
- Coveralls
- Chemical resistant gloves (made of any waterproof material)
- Shoes plus socks

## Product Information

TRICOTEN WP is a preventative and curative biological fungicide for control of plant diseases. It is composed of the active ingredient, *Trichoderma atroviride* strain AT10. It can be applied to field tomatoes, lettuce, and grapevine, tomatoes in greenhouses, and for use as a seed treatment for cereal grains. It provides protection against plant soilborne pathogens such as *Fusarium*, *Sclerotinia*, *Botrytis cinerea*, and Esca and wood diseases (*Phaeomoniella chlamydospora*, *Togninia minima*, *Fomititiporia mediterranea*, *Botryosphaeria* spp.).

## Use Information

TRICOTEN WP must not be tank mixed with chemicals that contain the following active ingredients: benomyl, imazalil, propiconazole, tebuconazole, and triflumizole. Fungal treatments can affect or inhibit the development of *Trichoderma* fungi. When tank mixing, follow the most restrictive of the labeling limitations and precautions of all products used in mixtures. Consult the technical service for more information. The cultivation should be subject to regular fertilization, not only to the application of the product. TRICOTEN WP contains live spores of a microbe that must be used prior to disease onset. TRICOTEN WP becomes active in soil or on plants when temperatures are above 50°F and is not effective while temperatures remain cold. If sterilization or fumigation of the soil is employed, TRICOTEN WP must be applied afterwards. Apply TRICOTEN WP as a foliar spray or via drip irrigation according to the application instructions below.

## Application Instructions

### All Chemigation

Apply this product only through sprinkler, including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move, border or drip (trickle) irrigation system(s). Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

### Drip (Trickle) Chemigation

The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional inter-locking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch, which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

It is recommended to mix TRICOTEN WP in a pesticide supply tank with the recommended dose of water. Agitation is recommended to homogenize the solution and facilitate the complete dilution of the product. TRICOTEN WP has to be diluted in the adequate volume for its application. For further information about the volume of water, check Field Application table below.

The complete recommended dose of TRICOTEN WP has to be applied at the recommended dose in the timing indicated in the Field Application table. Dilution process is recommended to be carried out gradually to avoid flocculation of the product.

### Chemigation through systems connected to public water systems

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.



Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, back flow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection.

The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Agitation is recommended to homogenize the solution and facilitate the complete dilution of the product in the pesticide supply tank.

TRICOTEN WP has to be diluted in the adequate volume for its application. For further information about the volume of water, check Field Application table below.

The complete recommended dose of TRICOTEN WP has to be applied at the recommended dose in the timing indicated in the Field Application table. Dilution process is recommended to be carried out gradually to avoid flocculation of the product.

### Sprinkler Chemigation

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch, which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Agitation is recommended to homogenize the solution and facilitate the complete dilution of the product in the pesticide supply tank.

TRICOTEN WP has to be diluted in the adequate volume for its application. For further information about the volume of water, check Field Application table below. The complete recommended dose of TRICOTEN WP has to be applied at the recommended dose in the timing indicated in the Field Application table. Dilution process is recommended to be carried out gradually to avoid flocculation of the product.

## Field Applications

Apply TRICOTEN WP to field grown tomatoes, lettuce, and grapevine according to the application instructions below.

Crop	Diseases	Application Method	Application Rate	Application Instructions
Tomato	Root rot and wilt ( <i>Fusarium</i> spp.)	Drip irrigation	0.5 to 1 lb. in 500 gal of water per acre  Do not apply more than 3 lbs. per acre per crop season	Begin applications at germination and continue until harvest.  For the first application, apply 1 lb. per acre. For the remaining four applications, apply 0.5 lb. per acre.  Apply at 10-day intervals.  Do not make more than 5 applications per crop cycle.
Lettuce	White mold and watery soft rot ( <i>Sclerotinia</i> spp.)	Drip irrigation	0.5 to 1 lb. per 500 gal of water per acre  Do not apply more than 3 lbs. per acre per crop season	Begin applications at germination and continue until harvest.  For the first application, apply 1 lb. per acre. For the remaining four applications, apply 0.5 lb. per acre.  Apply at 10-day intervals.  Do not make more than 5 applications per crop cycle.

Crop	Diseases	Application Method	Application Rate	Application Instructions
Grapevine	Gray mold ( <i>Botrytis cinerea</i> )	Foliar spray (ground)	0.5 to 1 lb. per 30 to 80 gals of water per acre  Do not apply more than 3 lb. per acre per crop season	Begin applications at fruit set and continue until harvest.  For the first application, apply 1 lb. per acre. For the remaining four applications, apply 0.5 lbs. per acre.  Apply at 10-day intervals.  Do not make more than 5 applications per crop cycle.
	Esca and wood diseases ( <i>Phaeomoniella chlamydospora</i> , <i>Togninia minima</i> , <i>Fomititiporia mediterranea</i> , <i>Botryosphaeria</i> spp.)		1 lb. per 20 to 40 gals of water per acre  Do not apply more than 2 lb. per acre per crop season	Make first application after winter pruning and second application after spring thinning.  Make applications at least 90 days apart.  Do not make more than 2 applications per crop cycle.

## Greenhouse Applications

Apply TRICOTEN WP to tomatoes grown in greenhouses according to the application instructions below.

Crop	Diseases	Application Method	Application Rate	Application Instructions
Tomato	Root rot and wilt ( <i>Fusarium</i> spp.)	Drip irrigation	0.5 to 1 lb. in 500 gals of water per acre  Do not apply more than 3 lbs. per acre per crop season	Begin applications at germination and continue until harvest.  For the first application, apply 1 lb. per acre. For the remaining four applications, apply 0.5 lb. per acre.  Apply at 10-day intervals.  Do not make more than 5 applications per crop cycle.

## Seed Treatment Applications

Apply TRICOTEN WP to cereal seeds, including winter and spring wheat, triticale, barley, oats, and rye to control seed-borne disease, such as *Ustilago* spp. or *Fusarium culmorum*. Make one application of 0.5 lb. TRICOTEN WP in 2 gals of water per ton of seed.

Apply TRICOTEN WP as a slurry, a coating, in a pellet, or during seed priming using standard slurry or mist-type seed treatment application equipment. To assure uniform application, add half the required amount of TRICOTEN WP to half the seed in the hopper, mix with a wooden paddle, and then add the remaining seed and TRICOTEN WP. Dilute with sufficient amount of water to achieve uniform application.

All seed treated commercially with this product must be adequately dyed with a suitable color to prevent accidental use as food for humans or feed for animals. Use an EPA-approved dye or colorant that imparts an unnatural color to the seed. Any dye or colorant added to treated seed must be cleared for use pursuant to 40 CFR 153.155.

## Seed Labeling

Seed treated with TRICOTEN WP that is then packaged for future use must contain the following labeling on the outside of the seed package.

- This seed has been treated with TRICOTEN WP.
- Do not use this treated seed for food, feed or oil production.
- Wear long-sleeved shirt, long pants, shoes, socks and gloves when handling treated seed.
- Store treated seed away from food and feed.
- Do not allow access by children, pets or livestock.
- Do not reuse empty seed containers.
- Store or dispose of surplus treated seed or empty seed containers according to local requirements.
- Do not contaminate bodies of water when disposing of excess treated seed or wash waters from planting equipment.

### **STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store this product in its original container. Store product away from direct sunlight between  $4 \pm 2^{\circ}\text{C}$ .

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

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment, then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration. If burned, stay out of smoke.

## **Warranty**

Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once. Seller warrants that this product conforms to the description on the label and is reasonably fit for the purposes stated on the label when used and stored in accordance with directions under normal conditions of use. To the extent permitted by state law, this warranty does not extend to use of this product contrary to label directions or under conditions not reasonably foreseeable by the Seller, and Buyer and User assume the risk of any such use. To the extent permitted by state law, Seller disclaims all other warranties express or implied, including any warranty of fitness or merchantability. To the extent permitted by state law, Seller shall not be liable for consequential, special or indirect damages resulting from use or handling of this product and Seller's sole liability and Buyer's and User's exclusive remedy shall be limited to refund of the purchase price. This product is sold only for uses stated on its label. No express or implied license is granted to use or sell this product under any patent in any country except as specified.

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