

2024-0561
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Tivano PLUS

Bactericide and Fungicide

For suppression of powdery mildew and angular leaf spot on greenhouse and field strawberries.

COMMERCIAL

Solution

READ THE LABEL BEFORE USING
KEEP OUT OF REACH OF CHILDREN

ACTIVE INGREDIENTS:

Citric Acid..... 1.50 %
Lactic Acid..... 2.57 %

Warning, contains the allergen, milk

**REGISTRATION NUMBER: 34763
PEST CONTROL PRODUCTS ACT**

DANGER – EYE AND SKIN IRRITANT

NET CONTENTS : 500 mL to 1000 L

Registered by:

AEF Global Inc.
440, 3e avenue, suite 100
Lévis, QC G6W 5M6
(418) 838-4441
Toll free help-line: 1-866-622-3222
www.aefglobal.com

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. Severely irritating to the eye. DO NOT get in eyes. May irritate the skin. Avoid contact with skin. Avoid breathing mist. Wear a long-sleeved shirt, long pants, protective eyewear (goggles), chemical resistant gloves, socks and shoes when handling, mixing, loading or applying, and during all clean-up and repair activities. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours or until sprays have dried, unless wearing appropriate personal protective equipment including long-sleeved shirt, long pants, chemical resistant gloves, socks and shoes.

FIRST AID

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 centre or doctor for treatment 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 centre or doctor for treatment advice.

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

IF SWALLOWED: Call a poison control centre 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 a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION

Treat symptomatically.

ENVIRONMENTAL PRECAUTIONS

This product may cause injury to other plants if not mixed and applied properly. Follow instructions for mixing and applying carefully.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay.

To ensure efficiency, postpone application if possible when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative filter strip between the treated area and the edge of the water body.

DIRECTIONS FOR USE

Shake well before use. Foliar treatment for crops listed below.

Crop	Disease	Rate/Concentration	Foliar spray volume	Interval of application
Greenhouse and Field Strawberries	Powdery mildew (<i>Sphaerotheca macularis</i> <i>f.sp.fragariae</i>)	1.0 to 1.4 % dilution in water solution (e.g. 7-10 L in 700 to 1000 L/ha) Add surfactant such as Agral 90 or Ag Surf at 0.1% (v/v) or Sylgard OFX-0309 fluid at 0.05% (see angular leaf spot cautions before using surfactant)	Apply in sufficient spray volume to ensure coverage of the underside of leaves	7 – 10 days
	Angular leaf spot (<i>Xanthomonas fragariae</i>)	1.7% (v/v) (e.g. 12 L/ha in the 700 L) (see angular leaf spot cautions before using surfactant)	Apply in sufficient spray volume to ensure coverage Maximum of 700 L/ha.	5 – 10 days

Application use directions: Within the stated rate and interval ranges, use the higher rate and shorter application intervals under conditions conducive to moderate to high disease pressure. Apply in sufficient volume to ensure full coverage for effective control. Both sides of leaves should be covered with the product. Use nozzles that will provide excellent coverage of the plant foliage (ex: hollow cone nozzle). The spray quality should be very fine. Begin applications when conditions are conducive to disease development or at first sign of disease.

Surfactant: Use of spreader surfactant can help achieve better coverage of leaves and better efficacy. Suggested non ionic spreader surfactants: Agral 90 or Ag Surf at 0.1% (v/v) or silicone surfactant (Sylgard OFX-0309 Fluid at 0.05% (v/v).

Angular leaf spot cautions: Do not use silicone-based surfactant (e.g. Sylgard OFX-0309 Fluid) when the angular leaf spot is active as this type of surfactant can reduce efficacy against the disease when it is visible and active (water-soaked spots). If angular leaf spot is not active (spots are dry or not visible), Tivano Plus can be used for powdery mildew with the addition of Sylgard surfactant.

The pre-harvest interval (PHI) is 0 (zero) days.

Tank Mixes:

Tivano PLUS may be tank mixed with a fertilizer, a supplement, or with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact AEF Global Inc. technical services at servtechserv@aefglobal.com for information before applying any tank mix that is not specifically recommended on this label.

Do not mix with alkaline products. This product contains weak acids and could react with products containing significant amounts of carbonates. It is not recommended to tank mix Tivano PLUS with copper-based products unless you have conducted a small scale phytotox test. AEF Global recommends conducting a jar test with any product mixes before any tank mix.

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

DO NOT apply by air.

DO NOT allow effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters.

STORAGE

Store this product away from food and feed. Keep in a cool place, away from direct sun rays. After extended storage, shake or stir the product thoroughly to assure a uniform suspension. Keep from freezing. Store in original container out of reach of children.

DISPOSAL

DO NOT reuse this container for any purpose. This is a recyclable container and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial/territorial requirements.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial/territorial regulatory agency. Contact the manufacturer and the provincial/territorial regulatory agency in case of a spill, and for clean-up of spills.

NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.