



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:

100361-1

Date of Issuance:

7/15/2025

NOTICE OF PESTICIDE:

☒ Registration

☐ Reregistration

(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

V10

Name and Address of Registrant (include ZIP Code):

Valto BV  
12733 Director's Loop  
Woodbridge, VA 22192

**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 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:

7/15/2025

2. Submit storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) data as these data requirements are not satisfied. A one-year study is required to satisfy these data requirements. You have 18 months from the date of this registration to provide these data to EPA.
3. Make the following labeling change before you release this product for shipment:
  - Revise EPA Registration Number to read, "EPA Reg. No. 100361-1."
4. 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 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 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 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 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 07/10/2025

If you have any questions, please contact please contact Andrew Queen by phone at 202-566-1539 or via email at [queen.andrew@epa.gov](mailto:queen.andrew@epa.gov).

Sincerely,



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

Enclosure (1): Label\_100361-R\_00394971\_7-14-2025

# V10

For the protection of tomato plants grown in commercial production greenhouses  
from aggressive strains of *Pepino mosaic virus*

**ACTIVE INGREDIENTS:**

*Pepino mosaic virus*, strain LP, isolate VX1<sup>1</sup> ..... 0.0025%<sup>2</sup>

*Pepino mosaic virus*, strain CH2, isolate VC1<sup>1</sup> ..... 0.0025%<sup>3</sup>

**OTHER INGREDIENTS:** ..... 99.995%

**TOTAL:** ..... **100.000%**

<sup>1</sup>mild strain of *Pepino mosaic virus*

<sup>2</sup>V10 contains a minimum of  $7.9 \times 10^{13}$  to  $4.0 \times 10^{14}$  *Pepino mosaic virus*, strain LP, isolate VX1 virus particles per qt.

<sup>3</sup>V10 contains a minimum of  $7.9 \times 10^{13}$  to  $4.0 \times 10^{14}$  *Pepino mosaic virus*, strain CH2, isolate VC1 virus particles per qt.

**ACCEPTED**

Jul 15, 2025

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 100361-1

**KEEP OUT OF REACH OF CHILDREN****CAUTION/ PRECAUCION**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

**FIRST AID**

<b>IF SWALLOWED</b>	<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 do so by a poison control center or doctor.</li> <li>• Do not give anything to an unconscious person.</li> </ul>
<b>IF ON SKIN OR CLOTHING</b>	<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>IF IN EYES</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF INHALED</b>	<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 by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>

**HOTLINE NUMBER**

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency information, call the National Pesticide Information Center at 1-800-858-7378, 8:00AM to 12:00 PM Pacific time (PT), seven days a week. During other times, call the poison control center 1-800-222-1222.

[Optional referral statements when container labels are used:][See inside label for [complete][additional] [First Aid,][Precautionary Statements,][Directions for Use,] [and] [Storage and Disposal.]

**EPA Reg. No.** 100361-R

**EPA Est. No.** \_\_\_\_\_

**Net Contents:** \_\_\_\_\_ [Quarts/Gallons/Liters]

**Lot Number:** \_\_\_\_\_

**[Date of Manufacture:** \_\_\_\_\_]

**[Storage and Handling Guidelines:]** Store frozen below -15°C (5°F). Before use, thaw product gradually at controlled ambient or refrigerated temperatures. Do not use heat sources to thaw the product. After thawing, keep product refrigerated and apply within 3 days. Do not refreeze.

Expiration Date: [6 months after date of Manufacture].

<b>Manufactured [for][by]:</b> Valto BV Leehove 81, 2678 MB De Lier, Zuid-Holland, Netherlands	<b>[Distributed by:</b> Koppert Biological Systems, Inc. 1502 Old US 23, Howell, MI 48843]
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## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION.** Harmful if swallowed, absorbed through skin, or if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. 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 mixers, loaders and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks
- A NIOSH-approved particulate filter with any N, R, or P filter with NIOSH approval number prefix TC-84A; or a NIOSH-approved powered air purifying respirator with an HE filter with NIOSH approval number prefix TC-21C. (Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.)

Follow the 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. Discard clothing or other absorbent materials that have been fogged or heavily contaminated with the concentrated product. Do not reuse them.

### USER SAFETY RECOMMENDATIONS

**Users should:**

- Remove PPE / 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.
- Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

### 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 the 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 workers may be in the area during application. For any requirement specific 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 exemptions pertaining to the statements on this label about personal protective equipment (PPE) and the 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.

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
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

### GENERAL INFORMATION

V10 is a suspension concentrate containing the mild *Pepino mosaic virus* isolates VX1 of the LP strain and VC1 of the CH2 strain. V10 protects tomato plants grown in commercial production greenhouses from aggressive strains of the *Pepino mosaic virus* by cross-protections.

## USE INFORMATION

**CROP:** Greenhouse tomato

**PEST/DISEASE:** *Pepino mosaic virus* (strains CH2, EU and LP)

**RATE:**

**Spray Application:** 32 fl. oz. V10 / 1,000 ft.<sup>2</sup> of plant bed in a total water-based application mixture of 12 gals. / 1,000 ft.<sup>2</sup> of plant bed/indoor cultivation area.

**Rubbing Application:** 0.3 fl. oz. V10 / 1,000 ft.<sup>2</sup> in total water-based application mixture of 2.5 fl. oz. / 1,000 ft.<sup>2</sup> of plant bed/indoor cultivation area.

## APPLICATION INSTRUCTIONS

### **Spray Application:**

**Preparation of Spray Liquid:** Shake the product thoroughly before use. Prepare V10 as a 2% solution (mixing 32 fl. oz. V10 in 12 gals. water) and stir well. Add synthetic sand at 1.1 oz. (30 g) / gal. of V10 spray liquid and stir well. Use 12 gals. of V10 spray liquid per 1,000 ft.<sup>2</sup> of plant bed.

**Application method:** Boom height should be approximately 4-6 in above the crop. Product should be sprayed at 12-15 bar (measure at spray boom).

### **Rubbing Application:**

**Preparation of Application Mixture:** Shake the product thoroughly before use. Prepare V10 as a 10% solution (mixing 0.3 fl. oz. V10 in 2.5 fl. oz. water) and stir well. Add synthetic sand at 2 oz. (57 g) / gal. of V10 application mixture and stir well. Use 2.5 fl. oz. of V10 application mixture per 1,000 ft.<sup>2</sup>.

**Application Method:** Moisten a clean scouring pad in the application mixture. Rub the scouring pad over the top side of a leaf, just under the head at the middle height (rub with one hand and press with the other hand on the lower side of the leaf). The scouring pad should remain imbibed with the application mixture liquid so moisten it every 10-15 plants.

### **Timing of Application:**

Make a single application to young seedlings, before or after transplanting and between the 3-leaf stage and first flower open stage (BBCH 13-61). Plants must be free of *Pepino mosaic virus* at the time of application.

### **Post application information:**

Crop maintenance should be conducted immediately after application of V10 to ensure rapid and homogenous spread of the inoculum. At 4-6 weeks after application of V10, leaf samples should be tested to confirm that the treated plants have been colonized with each of the attenuated isolates, VX1 and VC1 of the LP and CH2 strains, respectively.

## STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store frozen below -15°C (5°F). Avoid exposure to heat. Do not refreeze after thawing. Do not sell or use 6 months after date of manufacture. See label or bottle for date of manufacture.

**Pesticide Disposal:** To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

**[Container Handling (less than or equal to 5 gallons):** Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill or by incineration. Do not burn unless allowed by state and local ordinances.]

**[Container Handling (greater than 5 gallons):** Non-refillable container. Do not reuse or refill this container Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal.

Repeat this procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill or by incineration. Do not burn unless allowed by state and local ordinances.
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### LIMITATIONS OF WARRANTY AND LIABILITY

**Notice:** Carefully read and follow the Directions for Use, including this Limitation of Warranty and Liability. If terms are not acceptable, return at once unopened.

It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Valto BV or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Valto BV and Seller harmless for any claims relating to such factors.

Valto BV warrants that this product conforms to the chemical description on the label. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, VALTO BV MAKES NO OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF BUYER OR USER, AND THE LIMIT OF LIABILITY OF VALTO BV OR ANY OTHER SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, STRICT LIABILITY, TORT OR OTHERWISE) SHALL BE THE PURCHASE PRICE PAID BY BUYER OR USER FOR THE QUANTITY OF THIS PRODUCT INVOLVED, OR, AT THE ELECTION OF VALTO BV OR ANY OTHER SELLER, THE REPLACEMENT OF SUCH QUANTITY OF THIS PRODUCT.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, USER AGREES TO INDEMNIFY, DEFEND, AND HOLD HARMLESS VALTO BV AND EACH OF THEIR AFFILIATES, DIRECTORS, OFFICERS, EMPLOYEES, AGENTS, AND PERMITTED ASSIGNS AGAINST ALL CLAIMS, LOSSES, LIABILITIES, DAMAGES, JUDGMENTS, AWARDS, FINES, PENALTIES, COSTS, AND EXPENSES (INCLUDING REASONABLE ATTORNEYS' FEES AND OTHER COSTS OF LITIGATION) INCURRED IN CONNECTION WITH OR ARISING OUT OF USER'S HANDLING OR USE OF THE PRODUCT, EXCEPT TO THE EXTENT CAUSED BY ACTS OR OMISSIONS OF VALTO BV OR AFFILIATES, DIRECTORS, OFFICERS, EMPLOYEES, AGENTS, OR PERMITTED ASSIGNS OF VALTO BV.

TO THE TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, VALTO BV OR ANY OTHER SELLER DISCLAIM ANY LIABILITY FOR INDIRECT, REMOTE, INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES, OR LOSS OF PROFIT, RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

Upon opening and using this product, Buyer and User are deemed to have accepted the terms of this LIMITATION OF WARRANTY AND LIABILITY which may not be varied by any verbal or written agreement.

#### [OPTIONAL MARKETING LANGUAGE / GRAPHICS]

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