



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

October 4, 2021

Ana Koster  
Authorized Agent  
Certis USA, LLC  
9145 Guilford Road  
Suite 175  
Columbia, MD 21046

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment – Add  
Instructions for Hose-End Sprayer Applications and Add Container Handling  
Instructions for Bulk Containers on the Label  
Product Name: Thuricide HPC-O for Home and Gardens  
EPA Registration Number: 7005-106  
Application Date: 06/22/2021  
Action Code Case Number: 00307448

Dear Ms. Koster:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

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 this 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 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 U.S. Environmental Protection Agency (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 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 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.

If you have any questions, please contact Jennifer Odom by phone at (703)-347-0565 or via email at [odom.jennifer@epa.gov](mailto:odom.jennifer@epa.gov).

Sincerely,

A handwritten signature in cursive script that reads "Alexandra Boukedes".

Alexandra Boukedes, Acting Senior Regulatory Advisor  
Microbial Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511P)  
Office of Pesticide Programs

Enclosure

# Thuricide® HPC-O

FOR HOME & GARDENS

BIOLOGICAL INSECTICIDE

Controls worms and caterpillars on Fruits, Vegetables, Ornamentals and Shade Trees  
[in and around the home garden]

Easy-To-Mix Liquid Concentrate [or Ready to Spray]

Read and follow all label directions and precautions



For Organic Gardening



**ACTIVE INGREDIENT:**

*Bacillus thuringiensis* subspecies *kurstaki* strain SA-12 solids,  
spores and Lepidopteran active toxins\* ..... 98.35%

**OTHER INGREDIENTS:** ..... 1.65%

**TOTAL** ..... 100.00%

\*Contains at least 6 million viable spores per mg of product. The percent active ingredient does not indicate product performance and potency measurements are not federally standardized.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**MANUFACTURED BY:**

Certis USA LLC  
9145 Guilford Road, Suite 175  
Columbia, MD 21046



**EPA Reg. No. 70051-106**

**EPA Est. No.**

**Lot {or} [Batch] Number:**

**Net Contents:**

{ } Symbolizes explanatory text to the reviewer  
[ ] Indicates optional text

**ACCEPTED**

Oct 04, 2021

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 70051-106

### **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 center or doctor for treatment advice.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center 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 center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. [Hot Line Number: 1-800-255-3924 [Chemtel].]

### **PRECAUTIONARY STATEMENTS**

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

**CAUTION:** Causes moderate eye irritation. 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. Harmful if inhaled. Avoid breathing vapors or spray mist. Remove and wash contaminated clothing before reuse.

#### **ENVIRONMENTAL HAZARDS**

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

This product must not be applied within 300 feet of any habitats of threatened or endangered Lepidoptera (i.e., moths or butterflies) or Coleoptera (i.e., beetles).

### **PRODUCT INFORMATION**

Thuricide® HPC-O for Home and Gardens is an easy to mix liquid concentrate. Properties include:

- Kills worms and caterpillar stage insects, but has no effect on birds, earthworms, or beneficial insects, such as honeybees and ladybugs, when used as directed.
- Worms and caterpillars eat treated foliage then immediately stop feeding and damaging plants.
- Acceptable for use on edible plants up to the day of harvest.

## DIRECTIONS FOR USE

It is violation of Federal Law to use this product in a manner inconsistent with its labeling.

Not for use on agricultural establishments covered by the WPS (40 CFR Part 170)

Apply Thuricide® HPC-O for Home and Gardens when worms or caterpillars are first noticed, then repeat at five (5) to seven (7) day intervals while they are active. Apply more frequently to control heavy infestations. Apply thoroughly to top and bottom of foliage. Reapply after heavy rains.

Thuricide® HPC-O For Home and Gardens must be eaten by worms or caterpillars to be effective. After ingesting the insecticide, they immediately stop feeding, though they may otherwise appear to be unaffected for several days. Make applications when worms are small. They must be actively feeding on treated, exposed foliage. You may apply Thuricide® HPC-O for Home and Gardens up to and on the day of harvest.

**How to Apply:** Always shake or stir Thuricide HPC-O For Home and Gardens thoroughly before use. Partially fill sprayer with water before adding the application rate amount of product thoroughly and add remaining amount of water.

Spray leaf surfaces thoroughly, top and bottom, for complete control. Agitate regularly while spraying. Use all of spray mixture within 24 hours.

**Fruits and Vegetables:** Mix 1.5 to 2.0 fluid ounces per 3 gallons of water (3 to 4 teaspoons per gallon) for a hand sprayer and apply to all plant foliage to cover an area of 1000 square feet. Apply at first sign of infestation and repeat at weekly intervals when needed to maintain control of the following insects:

Cabbage Looper on broccoli, cauliflower, collards, kale, mustard greens, turnip greens, cabbage, celery, lettuce, melons and tomatoes.

Imported Cabbage Worm on broccoli, cabbage, cauliflower, collards, kale, mustard greens, and turnip greens.

Tomato Hornworms on tomatoes.

Shade Trees & Ornamentals [Ornamental Trees & Shrubs] [Flowering & Bedding Plants]:  
Mix 2 fluid ounces per 3 gallons of water (4 teaspoons per gallon) for a hand sprayer or proportional amounts for a hose-end sprayer following manufacturer's directions. Apply at first sign of infestation and repeat at weekly intervals when needed to maintain control. Apply to thoroughly cover all foliage surfaces of shade trees and ornamentals for control of the following leaf-feeding worms:

Bagworm  
Fall Cankerworm  
Tent Caterpillar  
Fall Webworm

Spring Cankerworm  
Gypsy Moth\*  
Elm Spanworm

\*Apply when buds swell, but before leaves are fully open. If eggs hatch over a long period of time or if reinfestation occurs, spray about 14 days after first application.

**{Note to Reviewer: The following language will only appear on product packaged in bulk containers.}**

[(For bulk containers:) This bulk product is intended for re-packaging only.]

**{Note to Reviewer: For containers less than or equal to 5 gallons, the following STORAGE AND DISPOSAL statements will be used:}**

## STORAGE AND DISPOSAL

**Pesticide Storage:** Store in a cool dry place. Activity may be impaired by storage at temperatures above 90°F.

**Pesticide Disposal and Container Handling:** Nonrefillable container. Do not reuse or refill this container.

**If empty:** Place in trash or offer for recycling if available.

**If partly filled:** Call your local solid waste agency [or 1-800-CLEANUP] for disposal instructions. Never place unused product down any indoor or outdoor drain.

**{Note to Reviewer: For containers greater than 5 gallons, the following STORAGE AND DISPOSAL statements will be used:}**

## STORAGE AND DISPOSAL

**Pesticide Storage:** Store in a cool dry place. Activity may be impaired by storage at temperatures above 90°F.

**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. Triple rinse container (or equivalent) promptly after emptying. 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 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, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## WARRANTY

Certis USA LLC warrants that the material contained herein conforms to the description on the label and is reasonably fit for the purposes referred to in the directions for use. Timing and method of application, weather, watering practices, nature of soil, the insect problem, condition of the crop, incompatibility with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. To the extent consistent with applicable law, buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herein. To the extent consistent with applicable law, NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY IS MADE.



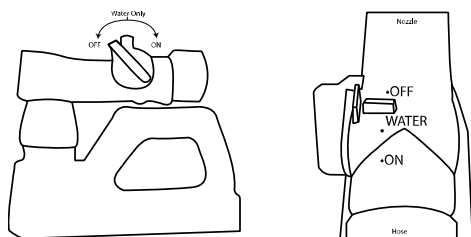
**{The following text may or may not appear, in whole or part, on the final label:}**

- Kills [Bagworms][Fall Cankerworms][Tent Caterpillar][Fall Webworm][Spring Cankerworm][Gypsy Moth][Elm Spanworm][Cabbage Looper][Imported Cabbage Worm][Tomato Hornworm]
- Controls Worms & Caterpillars on Fruits, Vegetables, Ornamental Trees & Shrubs, Flowering & Bedding Plants.
- Monterey® is a registered trademark of Brandt Consolidated, Inc.
- Referral Statements
  - See [side][back][right][left][inside][other] panel[s] for [additional] [[precautionary] [and] [first aid] statements] [[use] directions [for use]]
  - See [attached] [booklet] [book] for [additional] [[precautionary] [and] [first aid] statements] [[use] directions [for use]]
  - Refer to [inside of] label booklet for [additional] [precautionary] [first aid] information [and] [[Directions] for Use] [including] [First Aid] [and] [Storage and Disposal]
  - Peel [back] [book] [booklet] [label] [here] [►] [→] {may be accompanied by an arrow or other indicator}
  - See inside panel[s] for additional Precautionary Statements, First Aid Statements, Directions for Use, and Storage and Disposal Statements

**{Hose-End Sprayer Directions:}**

[Hose-End (Spray)(Sprayer) Directions:]

1. Attach to garden hose.
2. Turn on the water faucet.
3. Activate the sprayer by pushing the vertical tab towards the horizontal tab. The vertical tab on the sprayer cannot be removed because of the horizontal tab, which allows for resealing of partially used bottles when in the “OFF” position. The product channel is not opened until the control knob passes the vertical tab and is placed in the “ON” position.
4. When spraying is complete, or if you stop spraying at any time, move the horizontal tab back to the “OFF” position.
5. Rinse any residual product from the sprayer by passing through the “WATER” position of the sprayer.
6. Turn off the water at the faucet.
7. Remove the container from the garden hose, then rinse thoroughly and follow the directions in the Storage and Disposal section for storing or disposing of the container.



### {Other Optional Hose-End Sprayer Directions:}

#### **CONNECT**

1. Shake well before using.
2. Connect sprayer to hose.
3. Turn on water.

#### **SPRAY**

1. Before spraying, point nozzle in the direction you want to spray.
2. Bend small plastic tab back and turn knob clockwise to “ON” position.
3. Being spraying.

#### **FINISH**

1. To stop spraying, turn knob counterclockwise to “OFF” position.
2. Turn off water.
3. Relieve water pressure by bending plastic tab, and turning knob to “ON” position until water slows to a drip. Then turn back to “OFF” position.
4. Disconnect sprayer from hose.

{Graphic of Hose-End Sprayer}

### {Other Optional Hose-End Sprayer Directions:}

1. Attach garden hose to spray nozzle and turn on water supply.
2. Bend safety tab down and turn control to “Water.” Clean water will spray.
3. Point nozzle toward item to be sprayed and turn water control knob to “On” to automatically mix with water.
4. Hold bottle leveled. Use with average water pressure. When finished spraying, turn knob to “Off/Closed” position.

**{Graphics or pictures of the above-listed pests and/or the ones included below may or may not appear on the final label:}**

