

Thuricide 76 LV (WPS)

April 2002 – revisions denoted by →

Thuricide® 76 LV

Aqueous Concentrate for Aerial or Ground Application
For Control of Ornamental, Shade Tree, and Forest Pests

ACTIVE INGREDIENT:*Bacillus thuringiensis* variety *kurstaki* solids, spores, and

Insecticidal toxins.....14.4%

INERT INGREDIENTS:..... 85.6%**TOTAL:**.....100.0%

→ The percentage active ingredient does not indicate product performance and potency measurements are not federally standardized.

KEEP OUT OF REACH OF CHILDREN**CAUTION**

EPA Registration Number: 70051-72

EPA Establishment Number: 70051-CA-001

Net Contents: 5 gal., 53 gal., 250 gal., Bulk

Lot No.:

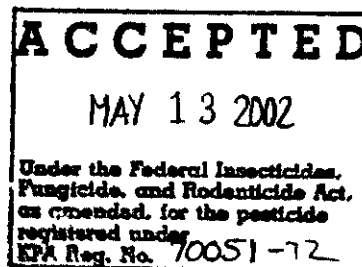
Made in U.S.A.

Manufactured By:

→ Certis USA L.L.C.

9145 Guilford Road, Suite 175

Columbia, Maryland 21046



2/12

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS—CAUTION: Harmful if inhaled. Avoid breathing dust. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

FIRST AID	
If Inhaled	<ul style="list-style-type: none"> -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 further treatment advice.
If in Eyes	<ul style="list-style-type: none"> -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.

Personal Protective Equipment:

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow 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.

Mixer/loaders and applicators must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95 or P-95. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.

Engineering Controls Statement

When handlers use closed systems, enclosed cabs, or aircraft 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.

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.

3/12

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- 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.

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment-and-weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

ENVIRONMENTAL HAZARDS:

Do not contaminate water when disposing of equipment washwaters or rinsate.

DIRECTIONS FOR USE: It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

For any requirements 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 exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

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.

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
- Waterproof gloves
- Shoes plus socks

MIXING

Suspension must be shaken or stirred before use. Pour the recommended amount of Thuricide 76 LV into the required volume of water in the spray tank. Agitate as necessary to maintain suspension. Do not allow diluted sprays to remain in the tank for more than 72 hours. Thuricide 76 LV is formulated to provide desirable coverage and

4/12

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adhesion to leaf surfaces. Additional adjuvants, spreaders, or stickers may be added but are not essential.

Do not apply this product through any type of irrigation system.

GROUND APPLICATION

Use adequate water to obtain good foliar coverage. Wet foliage but do not allow excessive runoff. Apply the recommended per acre rates of Thuricide 76 LV with the following suggested amounts of water:

100 gallons with high-gallonage hydraulic sprayers

10 gallons with mist blower

5/12

Thuricide 76 LV (WPS)

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AERIAL APPLICATION

Apply Thuricide 76 LV at recommended rates by air either alone or as a spray mix diluted with water. Spray volumes of 3.2-67.2 ounces per acre are recommended. Best results are expected when Thuricide 76 LV is applied to dry foliage with a calibrated sprayer capable of obtaining droplet sizes below 300 microns and preferably in the range of 50-150 microns.

APPLICATION RATES

Thorough coverage is essential when using Thuricide 76 LV. Use the lower rate for light to moderate infestations. Use the higher rates against heavier worm infestations.

Pest	Ounces Per Acre	Dosage BIU Per Acre	Directions
Spring Cankerworm	7-27	4-16	Apply when leaf expansion reaches 40-50% as infestation warrants. If eggs hatch over a long period of time or if reinfestation occurs, respray about 14 days after the first application.
Fall Cankerworm	7-27	4-16	
Elm Spanworm	7-27	4-16	
Tent Caterpillar	7-27	4-16	
Gypsy Moth	14-67	8-40	
Spruce Budworm	10-67	6-40	Apply when most larvae are 3 rd -4 th instar. Also consider the opening of the bud cap to ensure foliage exposure.
Douglas Fir Tussock Moth	7-27	4-16	Apply after eggs have hatched and early instar larvae are feeding on exposed foliage
Jack Pine Budworm	7-27	4-16	
Bagworms	7-27	4-16	
California Oak Moth	7-27	4-16	
Western Tussock Moth	7-27	4-16	
Fruit Tree Leafroller	7-27	4-16	
Mimosa Webworm	7-27	4-16	
Redhumped Caterpillar	4-20	2-12	
Fall Webworm	4-14	2-8	
Pine Butterfly	10-40	6-24	
Whitemarked Tussock Moth	14-67	8-40	
Oakleaf Tier	14-67	8-40	
Eastern and Western Hemlock Looper	10-27	6-16	

Thuricide 76LV may be used in the following areas: forests, residential, municipal, and shade tree areas; recreational areas such as campgrounds, golf courses, parks, and parkways; ornamentals, shelterbelts, rights of way and other easements.

6/12

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STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool place. Activity may be impaired by prolonged storage at temperatures above 90° F. Protect from freezing.

Pesticide Disposal: Wastes resulting from this product may be disposed on on-site or at an approved waste disposal facility.

Plastic Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Reuse of thoroughly cleaned container is allowable.

Metal Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or, by other procedures approved by state and local authorities. Reuse of thoroughly cleaned container is allowable.

Warranty

→ Certis USA L.L.C. 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. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herein. NO OTHER EXPRESS OR IMPLIED WARRANTY OF THE FITNESS OR MERCHANTABILITY IS MADE.

→ Thuricide is a registered trademark of Certis USA L.L.C.

→ **Manufactured By:**
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9/12

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DIRECTIONS FOR NON-AGRICULTURAL APPLICATIONS

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or on golf courses or lawns and grounds.

Not for use on trees being grown for sale or other commercial use, or for commercial seed production, or for the production of timber or wood products, or for research purposes except wide-area public pest control programs sponsored by government entities, such as mosquito abatement, gypsy moth control, and mediterranean fruit fly eradication.

10/12

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Mimosa Webworm	7-27	4-16
Redhumped Caterpillar	4-20	2-12
Fall Webworm	4-14	2-8
Pine Butterfly	10-40	6-24
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12/12

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beyond the control of the seller. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herein.

NO OTHER EXPRESS OR IMPLIED WARRANTY OF THE FITNESS OR MERCHANTABILITY IS MADE.

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