



List No. 60176-04-##

**Active Ingredient:**

Bacillus thuringiensis, subsp. kurstaki, strain ABTS-351,  
fermentation solids, spores, and insecticidal toxins .....18.44%  
Other Ingredients .....81.56%  
Total .....100.00%

Potency: 16,700 Cabbage Looper Units (CLU/mg) of product  
(equivalent to 76 billion CLU/GAL.).

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

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**



**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Harmful if absorbed through the skin. Causes moderate eye irritation.  
Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap  
and water after handling. Remove and wash contaminated clothing  
before reuse.

**STORAGE AND DISPOSAL**

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

**Pesticide Storage:** Store in a cool, dry place. Keep containers tightly  
closed when not in use. Store in temperatures above freezing and  
below 25°C (77°F).

**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 Disposal:** 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 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 flow begins  
to drip. Repeat this procedure two more times. Once cleaned, offer  
container for recycling, if available. If recycling is not available,  
puncture and dispose of container in a sanitary landfill or by other  
procedures approved by state and local authorities.

See enclosure label for First Aid, Precautionary Statements,  
Storage/Disposal Statements and Directions for Use.

EPA Reg. No. 73049-49

EPA Est. No. 33762-IA-001

Lot No.: ##-###-##

Date of Mfg.: ### ##

Net Contents: 55 GA

04-9868/R9



For the control of Lepidopterous Larvae

**ACTIVE INGREDIENT:**  
*Bacillus thuringiensis* subsp. *kurstaki*, strain ABTS-351,  
fermentation solids, spores, and insecticidal toxins. . . . . 18.44%  
Other Ingredients. . . . . 81.56%  
Total. . . . . 100.00%

Potency: 16,700 Cabbage Looper Units (CLU)/mg of product  
(equivalent to 76 billion CLU/GAL.).

The percent active ingredient does not indicate product performance and potency measure-  
ments are not federally standardized.

EPA Reg. No. 73049-49  
EPA Est. No. 33762-IA-001

KEEP OUT OF REACH OF CHILDREN  
CAUTION

FIRST AID	
If on skin or clothing	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 - 20 minutes. • Call a poison control center or doctor for treatment advice.
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.
HOT LINE NUMBER	
Have the product container with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-315-9819 for emergency medical treatment and/ or transport emergency information. For all other information, call 1-800-323-9597.	

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**  
**CAUTION**  
Harmful if absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

**Personal Protective Equipment (PPE)**  
Applicators and other handlers must wear:  
• Long-sleeved shirt  
• Long pants  
• Waterproof gloves  
• Shoes plus socks

Follow manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions are available for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**Agricultural Use Requirements:**  
Mixers/loaders and applicators must wear a dust/mist filtering respirator meeting NIOSH stand-  
ards of at least N-95, R-95, or P-95. Repeated exposure to high concentrations of microbial  
proteins can cause allergic reactions.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the  
requirements listed in the Worker Protections 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.

**IMPORTANT:** When reduced PPE is worn because a closed system is being used, handlers  
must provide all PPE specified above for “applicators and other handlers” and have such PPE  
immediately available for use in an emergency, such as a spill or equipment breakdown.

**Non-agricultural Use Requirements:**  
Mixer/loaders and applicators not in enclosed cabs or aircraft 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.

**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. Wash thoroughly and put on clean clothing.  
• Remove PPE immediately after handling the product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**Environmental Hazards**  
For terrestrial agricultural 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 cleaning equipment or disposing of equipment washwaters.

This product must not be applied aerially within 1/4 mile of any habitats of threatened or endangered lepidoptera. No manual application can be made within 300 feet of any threatened or endangered lepidoptera.

**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 State or Tribal agency responsible for pesticide regulation.

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

**STORAGE AND DISPOSAL**  
Do not contaminate water, food or feed by storage or disposal of waste.

**Pesticide Storage:** Store in a cool, dry place. Keep containers tightly closed when not in use. Store in temperatures above freezing and below 25°C (77°F).

**Pesticide Disposal:** To avoid wastes, use all material in this container by application accord-  
ing 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 Disposal:** 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 and drain for 10 seconds  
after the flow begins to drip. Fill the container 1/4 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 flow begins to drip. Repeat this procedure two more  
times. Once cleaned, offer container for recycling, if available. If recycling is not available,  
puncture and dispose of container in a sanitary landfill or by other procedures approved by  
state and local authorities.

**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 agri-  
cultural 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

**NON-AGRICULTURAL USE REQUIREMENTS**  
The requirements in this box apply to uses that are NOT within the scope of the Worker  
Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when  
this product is used to produce agricultural plants on farms, forests, nurseries or green-  
houses.

For ground applications only. Exposure of unprotected persons can be mitigated by direct  
spraying. Spray should be allowed to dry undisturbed.

**APPLICATION**  
Apply Foray 76B by ground or aerial equipment undiluted or with quantities of water sufficient  
to provide thorough coverage of plant parts to be protected. The amount of water needed per  
acre will depend upon crop size, weather, spray equipment, and local experience.

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/treatment coordinator are responsible for considering all of these  
factors when making decisions.

**MIXING**  
Shake or stir Foray 76B before use. Fill spray or mixing tank half full of water. Begin agitation  
and pour Foray 76B into water while maintaining continuous agitation. Add other spray mate-  
rial (if any) and balance of water. Agitate as necessary to maintain suspension. Do not allow  
diluted mixture to remain in the tank for more than 72 hours.

To improve weather-fastness of the spray deposits for hard to wet crops, such as cole crops, use a spreader-sticker approved for use on growing crops. Combinations with commonly used spray tank adjuvants are generally not deleterious to Foray 76B, if the mix is used promptly. Before mixing in the spray tank, identify possible problems with physical compatibility by mixing all components in a small container in proportionate quantities.

SPRAY VOLUMES

**Ground Application:** Use amount of Foray 76B, as indicated in the tables that follow, in ground equipment with quantities of water sufficient to provide thorough coverage of plant parts to be protected. The amount of water needed per acre will depend upon crop size, weather conditions, spray equipment used and local experience.

**Aerial Application:** Use the amount of Foray 76B, as indicated in the tables that follow, in aerial equipment undiluted or with quantities of water sufficient to provide thorough coverage of plant parts to be protected. In the western U.S., use a normal minimum of 5-10 gallons per acre; in the eastern regions, use a normal minimum of 2-3 gallons per acre. The minimum amount of water needed per acre will depend upon crop size, weather conditions, spray equipment used and local experience.

GENERAL AGRICULTURAL USE INSTRUCTIONS

Foray 76B is a biological insecticide for the control of lepidopterous larvae. It contains the spores and endotoxin crystals of *Bacillus thuringiensis kurstaki*. Foray 76B must be ingested by the larvae to be effective. For consistent control, apply at first sign of newly hatched larvae (1st and 2nd instar larvae). Susceptible larvae that ingest Foray 76B cease feeding within a few hours and die within 2-5 days.

Foray 76B may be applied up to and on the day of harvest.

For maximum effectiveness, follow the instructions listed below:

Monitor fields to detect early infestations.

Apply Foray 76B when eggs start hatching and larvae are small (early instars) and before significant crop damage occurs. Larvae must be actively feeding to be affected.

Repeat applications every 3 to 14 days to maintain control and protect new plant growth. Factors affecting spray interval include rate of plant growth, weather conditions, and reinfestations. Monitor populations of pests and beneficials to determine proper timing of applications.

Under conditions of heavy pest pressures or when large worms are present use the higher rate, shorten the application interval, and/or improve spray coverage to enhance control. When these conditions are present, consider use of a contact insecticide to enhance control.

Thorough coverage is essential for optimum performance. Ground applicators equipped with directed drop nozzles can improve coverage.

Crop	Pests	Rate¹ (fl. oz./acre)
Forests, Shade Trees, Ornamentals, Shrubs, Sugar Maple Trees, Ornamental Fruit, Nut & Citrus Trees²	Gypsy Moth² Elm Spanworm	13.5 - 67.5
	Spruce Budworm Browntail Moth Douglas Fir Tussock Moth Coneworm Buck Moth	13.5 - 50.5
	Tussock Moths Pine Butterfly Bagworm Leafrollers Tortrix Mimosa Webworm Tent Caterpillar Jackpine Budworm Blackheaded Budworm Saddled Prominent Saddleback Caterpillar Eastern & Western Hemlock Looper Orangestriped Oakworm Satin Moth	10.0 - 27.0
	Redhumped Caterpillars Spring & Fall Cankerworm California Oakworm Fall Webworm	7.0 - 13.5

Special Instructions

- ¹ Use the higher rates on advanced larval stages or under high density larval populations.
- ² In treating gypsy moth infested trees and shrubs in urban, rural, and semi-rural areas, exposure of non-target vegetation including, but not limited to, native and ornamental species and food or feed crops is permitted.

This product can be mixed and used with other pesticides only in accordance with the most restrictive of label limitations and precautions. This product cannot be mixed with any product containing a label prohibition against such mixing. No label dosage rates may be exceeded.

GENERAL NON-AGRICULTURAL USE INSTRUCTIONS

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 landscapes, 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 for wide-area public pest control programs sponsored by government entities, such as mosquito abatement, gypsy moth control, and Mediterranean fruit fly eradication.

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

Foray 76B contains the spores and endotoxin crystals of *Bacillus thuringiensis kurstaki*. Foray 76B is a stomach poison and is effective against lepidopterous larvae. After ingestion, larvae stop feeding within hours and die 2-5 days later. Maximum activity is exhibited against early instar larvae. Apply Foray 76B by ground or aerial equipment. Shake or stir Foray 76B before use. Add some water to the mix tank, pour the specified amount of Foray 76B into the tank, and then add the remaining amount of water to obtain the proper mix ratio. Agitate as necessary to maintain the suspension. Do not allow diluted mixture to remain in the tank for more than 72 hours.

Ground Application

Use an adequate amount of tank mix to obtain thorough coverage without excessive run off. Use the indicated recommended per acre rates of Foray 76B in up to the following amounts of water:

High volume hydraulic sprayers	100 gallons
Mist blowers	10 gallons

Aerial Application

Apply Foray 76B, either alone or diluted with water, aerially at the rates shown in the application rates table. Spray volumes of 28-67.5 fluid ounces of product per acre give optimum coverage.

Crop	Pests	Rate¹ (fl. oz./acre)
Forests, Shade Trees, Ornamentals, Shrubs, Sugar Maple Trees, Ornamental Fruit, Nut & Citrus Trees²	Gypsy Moth² Elm Spanworm	13.5 - 67.5
	Spruce Budworm Browntail Moth Douglas Fir Tussock Moth Coneworm Buck Moth	13.5 - 50.5
	Tussock Moth Pine Butterfly Bagworm Leafroller Tortrix Mimosa Webworm Tent Caterpillar Jackpine Budworm Blackheaded Budworm Saddled Prominent Saddleback Caterpillar Eastern & Western Hemlock Looper Orangestriped Oakworm Satin Moth	10.0 - 27.0
	Redhumped Caterpillar Spring & Fall Cankerworm California Oakworm Fall Webworm	7.0 - 13.5

Special Instructions

- ¹ Use the higher recommended rates on advanced larval stages or under high density larval populations.
- ² In treating gypsy moth infested trees and shrubs in urban, rural, and semi-rural areas, exposure of non-target vegetation including, but not limited to, native and ornamental species and food or feed crops is permitted.

NOTICE OF WARRANTY

To the extent consistent with applicable law, seller makes no warranty, express or implied, of merchantability, fitness or otherwise concerning the use of this product other than as indicated on the label. User assumes all risk of use, storage or handling not in strict accordance with accompanying directions.

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