

2023-0391
2023-10-05

Magic Gardener™ Caterpillar Killer

**FOR THE CONTROL OF CATERPILLARS ON VEGETABLES, FRUITS, BOXWOOD
AND ORNAMENTAL AND SHADE TREES**

**Controls box tree moth, cabbage looper, fruitworms, spongy moth, leafrollers, spruce
budworm and other listed caterpillar pests.**

Biological Insecticide
Live Organism
Dry Flowable (Wettable Granules)

DOMESTIC

KEEP OUT OF REACH OF CHILDREN

ACTIVE INGREDIENT:

Bacillus thuringiensis, var. *kurstaki* strain ABTS-351 fermentation
solids, spores, and insecticidal toxins.57.0%
Potency: 32,000 Cabbage Looper Units (CLU) per mg (32 billion CLU per kg)

WARNING CONTAINS THE ALLERGEN SOY
READ THE LABEL BEFORE USING
CAUTION EYE AND SKIN IRRITANT
POTENTIAL SENSITIZER

REGISTRATION NO. 34954
PEST CONTROL PRODUCTS ACT

Net Contents: 113 grams

Lot No.
Date of Manufacture:

Registrant:
Valent BioSciences LLC
1910 Innovation Way, Suite 100
Libertyville, Illinois 60048, USA
1-800-323-9597

Canadian Agent:
Valent Canada, Inc.
201-230 Hanlon Creek Blvd.
Guelph, Ontario N1C 0A1

Magic Gardener™ Caterpillar Killer is toxic to some species of caterpillars. Magic Gardener™ Caterpillar Killer is not effective on eggs, pupae and adult moths. It is a stomach poison only. Therefore, caterpillars must ingest Magic Gardener™ Caterpillar Killer to be killed. Both sides of foliage where caterpillars are feeding must be thoroughly covered with the spray solution. Magic Gardener™ Caterpillar Killer is most effective against small, young larvae that are actively feeding.

DIRECTIONS FOR USE:

Use Restrictions:

DO NOT apply to any body of water.

Avoid application of this product when winds are gusty.

DO NOT apply directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, and wetlands), estuaries or marine habitats.

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

DO NOT allow spray mixture to stand for more than 18 hours.

DO NOT apply in greenhouses.

DO NOT apply by any type of irrigation system.

Restricted-Entry Interval:

Do not allow people or pets to re-enter treated areas until sprays have dried.

Pre-harvest Interval (PHI): Magic Gardener™ Caterpillar Killer can be applied up to and including the day of harvest. PHI=0 days.

Mixing: Partially fill spray tank with water and provide moderate agitation. Add the required amount of Magic Gardener™ Caterpillar Killer while maintaining agitation. Add remaining water, if any. Mix until Magic Gardener™ Caterpillar Killer is fully dissolved in water. Maintain moderate agitation while loading and spraying.

Do not mix more Magic Gardener™ Caterpillar Killer than can be used in a 12-hour period.

Application: Spray mixture thoroughly onto both the top and bottoms of leaves. Apply at first sign of infestation and repeat every 3 to 14 days depending on rain, pest activity and plant growth rate.

Application Rate:

Apply 6 grams of Magic Gardener™ Caterpillar Killer per 3 litres of water to the following pests/crops:

Pest	Crop	Spray Volume (L water/ha)
Blueberry spanworm	Lowbush Blueberries	300-600 L/ha
Chainspotted geometer	Lowbush Blueberries	300-600 L/ha
Cherry Fruitworm	Highbush Blueberries	800 L/ha
Cranberry fruitworm	Highbush Blueberries	800 L/ha

European corn borer	Sweet Corn	300-600 L/ha
Grape berry moth	Grapes	600 L/ha
Leafrollers	Hazelnuts, Pecan, Sweet Chestnuts, Walnuts	600-800 L/ha
Leafrollers	Apples, Apricots, Nectarine, Peach, Pears, Plum/Prune	600-800 L/ha
Rannoch looper	Lowbush Blueberries	300-600 L/ha

Apply 3 grams of Magic Gardener™ Caterpillar Killer per 3 litres of water to the following pests/crops:

Pest	Crop	Spray Volume (L water/ha)
Box tree moth	Outdoor Ornamentals (Boxwood)	600-1000 L/ha
Cabbage looper	Potatoes	600-1000 L/ha
Leafrollers	Blackberry, Blueberry, Cherry, Grapes, Raspberry (black and red), Strawberry	600-1000 L/ha

Apply 1.5 grams of Magic Gardener™ Caterpillar Killer per 3 litres of water to the following pests/crops:

Pest	Crop	Spray Volume (L water/ha)
Cabbage looper	Broccoli, Cabbage, Cauliflower, Collards, Kale, Lettuce, Mustard Greens, Spinach, Turnip Greens, Tomato	500-1000 L/ha
Cabbage looper	Chinese Cabbage, Bok Choy, Chinese Broccoli, Asian Radish	500-1000 L/ha
Cabbage looper	Herb and Spices	500-1000 L/ha
Tomato fruitworm	Tomatoes	1000 L/ha
Fruitworms	Apricot, Cherry, Nectarine, Peach, Pears, Plum/Prune	2000-3000 L/ha

Apply 0.75 grams of Magic Gardener™ Caterpillar Killer per 3 litres of water to the following pests/crops:

Pest	Crop	Spray Volume (L water/ha)
Spongy moth	Ornamental and Shade Trees	400-1000 L/ha
Spruce budworm	Ornamental and Shade Trees	400-1000 L/ha
Bagworm	Grapes, Ornamental and Shade Trees	600-1000 L/ha

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. May cause sensitization. May irritate eyes. May irritate skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust or spray mist. Wear a long-sleeved shirt, long pants, protective eyewear (goggles), waterproof gloves and socks and shoes when handling, mixing/loading, or applying the product and during all clean-up and repair activities. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Apply only when the potential for drift beyond the area to be treated is minimal.

FIRST AID:

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.

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 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.

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

TOXICOLOGICAL INFORMATION: Treat symptomatically.

ENVIRONMENTAL PRECAUTIONS:

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

STORAGE:

Magic Gardener™ Caterpillar Killer should be used within 36 months from the date of manufacture when stored at 0 to 25°C. Store this product away from food or feed. Store in original container. Store upright and keep tightly closed when not in use.

DISPOSAL: Do not reuse the empty container. Dispose in household garbage. Unused or partially used products should be disposed at provincially or municipally designated hazardous waste disposal sites.

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.