

Summit **B.t.i. GRANULES**

Kills Mosquitoes Before They're Old Enough To Bite®



KILLS LARVAE OF MOSQUITOES THAT MAY TRANSMIT:

- **Zika • West Nile • Dengue**
- **Chikungunya • Yellow Fever**

For use in standing water where mosquito larvae occur.

Active Ingredient: *Bacillus thuringiensis* subsp. *israelensis*,
Strain SUM-6218

solids, spores, and insecticidal toxins* 2.86%
OTHER INGREDIENTS 97.14%
TOTAL 100.00%

*Potency: 200 *Aedes aegypti* Units per mg (91 million *Aedes aegypti* Units per lb.)
of product. The percent active ingredient does not indicate product performance
and potency measurements are not federally standardized.

EPA Reg. No. 6218-86; EPA Est. No. 6218-MD-2

| 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 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. |
| IF ON SKIN OR CLOTHING: | <ul style="list-style-type: none"> • 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. |

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or when going for treatment. For non-emergency information concerning this product, call the National Pesticide Information Center (NPIC) at 1-800-858-7378 (NPIC Web site: www.npic.orst.edu). For emergencies, call your local poison control center at **1-800-222-1222**.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMAN AND DOMESTIC ANIMALS

CAUTION: Harmful if inhaled or absorbed through the skin. Causes moderate eye irritation. Avoid breathing dust. 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. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear
- A NIOSH-approved particulate respirator with any N, P, or R filter with NIOSH approval number prefix TC-84A or a NIOSH-approved powered air purifying respirator with a 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 are available for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS

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.

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

USER SAFETY RECOMMENDATIONS

Users should:

- Remove clothing/PPE 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.

ENVIRONMENTAL HAZARDS

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

DIRECTIONS FOR USE

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

Do not apply directly to treated, finished drinking water reservoirs.

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. For any requirements specific to your State or Tribe, consult the State or Tribal 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 (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
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product 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 greenhouses.

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MOSQUITO LARVAE CONTROL

GENERAL INFORMATION

Summit B.t.i. Granules® are a highly selective biopesticide effective against mosquitoes in a variety of habitats. When spread over the surface of standing water, **B.t.i. Granules®** release a biological mosquito larvicide into the water. This larvicide gradually settles in the water where it is eaten by mosquito larvae growing there. **B.t.i. Granules®** may be used in all types of standing water sites where mosquito larvae grow. **B.t.i. Granules®** will give a quick kill within 24 hours and can control for up to 14 days in water of low to moderate organic content. Employ a 7- to 14-day interval between applications. For more residual, long-term control, consider using **DUNKS®** or **Summit® B.t.i. Mosquito Briquets®** after applying **B.t.i. Granules®**.

MOSQUITO ABATEMENT USE

For use in or on woodland pools; snowmelt pools; saltwater and freshwater marshes; catch basins; gutters; storm water retention areas and open drains; flood waters; lakes; ponds; irrigation ditches; ornamental water gardens and pools; roof and street gutters; bird baths; tree holes; unused swimming pools; discarded automobile tires; standing water in greenhouses and nurseries; sewage lagoons; irrigated and nonirrigated pastures; estuarine areas; roadside ditches; irrigation ditches; rice fields; rain barrels and other water storage containers, including unused cisterns and water tanks; and similar standing water where mosquito larvae occur.

Use 2.5-10 pounds of **B.t.i. Granules®** per acre of water with the lower application rate for relatively clean water and higher application rate for water with greater organic content. Use 10-20 pounds of **B.t.i. Granules®** per acre of water in deep or polluted water and when mostly late 3rd and 4th instar mosquito larvae are present. Apply **B.t.i. Granules®** by conventional aerial or ground equipment or manually. Uniform coverage provides best results. Use a 7- to 14-day interval between applications. The interval depends on initial application rates, larval population densities, and organic content of the water. Monitoring will indicate the best retreatment interval. **B.t.i. Granules®** do not affect non-target aquatic predators of mosquitoes, which contribute to controlling mosquito larvae. Therefore, longer periods of mosquito control may occur because of predators eating mosquito larvae. The applicator is responsible for monitoring equipment, calibrating equipment, and knowing local weather conditions to prevent drift and other application variables.

AQUAPONICS AND HYDROPONICS

Aquaponics is aquaculture (raising fish) and hydroponics (the soilless growing of plants) that grows fish and plants together in an integrated system. Hydroponics is growing plants without soil, using mineral nutrient solutions in a water solvent. At times, both aquaponics and hydroponics result in conditions that are favorable to mosquito larval growth. Because of the nutrients present in water used for both, use the high application rate and frequency of use for **B.t.i. Granules®** for mosquito larvae control (described in the "MOSQUITO ABATEMENT USE" section above).

FUNGUS GNAT LARVAE CONTROL

Fungus gnats are common pest problems, especially with high organic and moisture content in growing media or soil. For use in soil or growing media used in mushroom-growing facilities, in greenhouses, and for landscapes.

Application to soil or growing media: Sprinkle or spread **B.t.i. Granules®** evenly at 3 pounds per 100 square feet of soil or growing media in both large and small indoor and outdoor landscaping or greenhouse areas and mushroom production facilities. Use 1-2 teaspoons of **B.t.i. Granules®** in small pots (6 inches or less in diameter) and 1 tablespoon of **B.t.i. Granules®** in large pots (greater than 6 inches in diameter). Water in **B.t.i. Granules®** after treatment. If fungus gnats reappear within 3 weeks, repeat treatment and water in.

For use in water: Mix 2 tablespoons of **B.t.i. Granules®** per 0.5 gallon of water. Wait five minutes, then apply treated water directly to soil or growing media surface. Compost used granules with soil or growing media. This treatment controls fungus gnat larvae for up to a 3-week period. Repeat treatment when these insects reappear.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE:

Reseal unused portions of product. Store this product in original, sealed container in a cool, dry, and well-ventilated place inaccessible to children and pets.

PESTICIDE DISPOSAL:

To avoid waste, use all material in this container by application according to label directions. If waste 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:

Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then, offer for recycling if available, or dispose of empty bag in a sanitary landfill or by incineration. Do not burn, unless allowed by state and local ordinances. If burned, stay out of smoke.

NOTICE TO USER: 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 this label. User assumes all risks of use, storage, or handling not in accordance with label instructions.



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