

# SPECIMEN LABEL



## Insecticide 100

### BIOLOGICAL INSECTICIDE

<b>Active ingredient:</b> Heat-killed <i>Burkholderia spp.</i> strain A396 cells and spent fermentation media. . . . .	94.46%
<b>Other ingredients:</b> . . . . .	5.54%
<b>Total:</b> . . . . .	100.00%

\*Contains not less than 1,500 Beet Armyworm Killing Units (BAWKU)/mg.

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

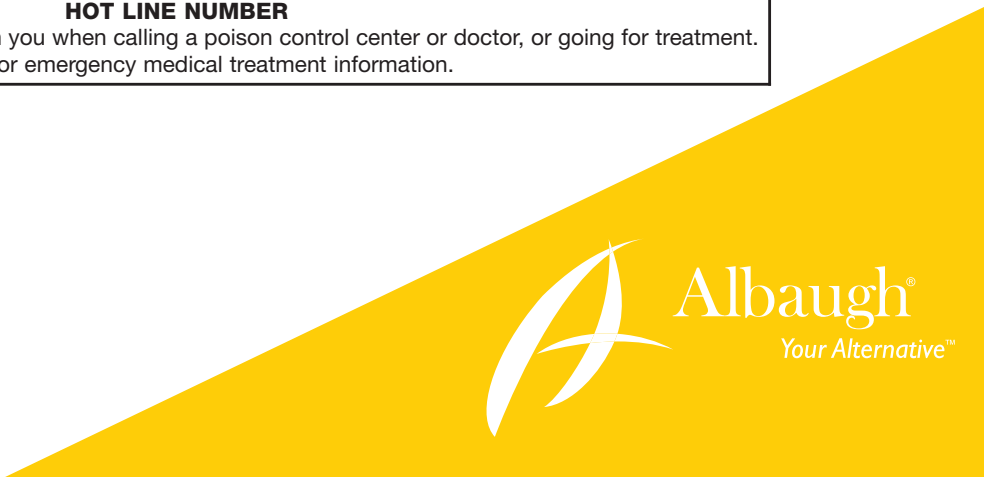
## KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
<b>IF IN EYES</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15–20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information.	

**EPA Reg. No.:** 84059-14-42750  
**EPA Est. No.:** 42750-MO-002

**Distributed by:**  
**ALBAUGH, LLC**  
1525 NE 36TH STREET  
ANKENY, IA 50021

AD100616



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## PRECAUTIONARY STATEMENTS

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### HAZARDS TO HUMANS AND DOMESTIC ANIMALS - CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear goggles or safety glasses. 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.

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### PERSONAL PROTECTIVE EQUIPMENT (PPE)

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Applicators and other handlers must wear:

- long-sleeved shirt and long pants,
- waterproof gloves,
- shoes plus socks, and
- protective eyewear.

Mixers/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.

Follow manufacturer's instructions for cleaning and maintaining PPE. If there are no such instructions 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 a spill or equipment breakdown.

### USER SAFETY RECOMMENDATIONS

Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should 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.

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### ENVIRONMENTAL HAZARDS

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For terrestrial 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 disposing of equipment washwater or rinsate. See the Directions for Use section of this label for application instructions that minimize risk to bees and other beneficial insects, *including those used in Integrated Pest Management (IPM) programs or organic agriculture.*

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### DIRECTIONS FOR USE

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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 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.

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### 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 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:

- Protective eyewear
- Coveralls
- Chemical resistant gloves (made from any waterproof material)
- Shoes plus socks

**EXCEPTION:** If the product is soil incorporated or soil injected, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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## PRODUCT INFORMATION

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BioST INSECTICIDE 100 is a biological insecticide containing killed cells of *Burkholderia spp.* strain A396 and spent fermentation media, for use on agricultural crops against the pests listed in the Directions for Use section. BioST INSECTICIDE 100 controls insect pests by enzymatic degradation of exoskeletal structures and interference with the molting process leading to mortality through contact and/or ingestion. BioST INSECTICIDE 100 controls or suppresses many foliar feeding pests including caterpillars and foliage feeding coleopteran and against many soft-bodied insects such as aphids, whiteflies and plant sucking mites infesting labeled crops and plants.

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## SEED TREATMENT APPLICATION

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BioST INSECTICIDE 100 can be applied as a seed dressing at plant or in commercial seed treatments for suppression of insect damage. Apply BioST INSECTICIDE 100 as a water-based slurry with other registered seed treatment insecticides, nematicides and fungicides through standard slurry- or mist-type commercial seed treatment equipment.

**Mixing instructions:** Prepare no more mixture than is required for the immediate operation. Agitate the solution continuously during mixing and application. Mechanical mixing is recommended for proper mixing of BioST INSECTICIDE 100 mixtures. For seed treatment, apply 8 ounces of BioST INSECTICIDE 100 per 100 pounds of seed.

**BioST INSECTICIDE 100 alone:**

Add ½ of the required amount of water to the mix tank. With the agitator running, add the BioST INSECTICIDE 100 to the mix tank. Continue agitation while adding the remainder of the water. Begin application of the solution after the BioST INSECTICIDE 100 has completely dispersed into the mix water. Maintain agitation until all the mixture has been applied.

**BioST INSECTICIDE 100 + tank-mixtures:**

Add ½ of the required amount of water to the mix tank. Start the agitation before adding any tank mix partners. In general, tank-mix partners should be added in this order: wettable powders, dry flowable formulations, liquid flowable formulations, and emulsifiable formulations. Always allow each tank-mix partner to become completely dispersed before adding the next component. Maintain continuous agitation until all components have been dispersed and throughout the application process.

**Note:** When using BioST INSECTICIDE 100 in tank-mixtures, all products in water soluble packaging should be added to the tank before any other tank-mix partner, including BioST INSECTICIDE 100. Allow the water-soluble packaging to completely dissolve and the product(s) to completely disperse before adding any other tank-mix partner to the tank.

If using BioST INSECTICIDE 100 in a tank mixture with other seed treatment products, observe all directions for use, crops/sites, use rates, dilution ratios, precautions, and limitations that appear on the tank-mix partner label. No label dosage may be exceeded and the most restrictive label precautions and limitations must be followed. This product should not be mixed with any product that prohibits such mixing.

**For Pre-plant Seed Treatment:** Treat only those seeds needed for immediate use, minimizing the interval between treatment and planting. Do not store excess treated seeds beyond planting time.

**For Commercial Seed Treatment:** The active ingredient Heat-killed *Burkholderia spp.* Strain A396 cells and spent fermentation media is exempt from the requirement of a tolerance for residues in and on all food commodities. Commercial seed treaters are not required to add a dye to this product before treating seed. Treated seed can be used for or mixed with food or animal feed, or processed for oil.

### SHAKE WELL BEFORE USE

### FOR USE ON THE FOLLOWING CROPS FOR SUPPRESSION OF INSECTS AND MITES

#### Pre-harvest Interval (PHI) = 0 days

**Cereal Grains: Barley, Buckwheat, Grain Amaranth, Milo, Oats, Pearl Millet, Proso Millet, Rye, Sorghum, Triticale, Wheat** - root and seed maggots, seed corn beetle, wireworms

**Corn (Field Corn, Sweet Corn, Popcorn and Corn Grown for Seed)** - cutworms, root and seed maggots, seed corn beetle, wireworms, southern, western and northern corn rootworm larvae

**Cotton** - cotton aphid, thrips, mites,

**Potatoes and Tuberos and Corm Vegetables: Artichoke, Cassava, Chayote Root, Chinese Artichoke, Garden Beet, Ginger, Jerusalem Artichoke, Potatoes, Sugar Beet, Sweet Potatoes, Turmeric and Yams** - root and seed maggots, seed corn beetle wireworms

**Soybean** - root and seed maggots, seed corn beetle, wireworms

## STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store in a cool dry place. Avoid freezing.

**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 Handling:** Non-refillable 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 the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill or by incineration. Do not burn unless allowed by state and local ordinances.

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## CONDITIONS OF SALE AND LIMITED WARRANTY STATEMENT

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Treatment of highly mechanically damaged seed, or seed of known low vigor and poor quality, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small portion of seed before committing the total seed lot to a selected chemical treatment. Due to seed quality conditions beyond the control of Albaugh, no claims are made to guarantee germination of carry-over seed.

As its sole express warranty, Albaugh warrants that this product conforms to the chemical description on the label and is reasonably fit for purposes stated on the label only when used in accordance with directions and instructions specified on the label, subject to the inherent risks set forth above. ONLY AS PERMITTED BY APPLICABLE LAW, IN THE EVENT OF A BREACH OF THIS LIMITED WARRANTY, ALBAUGH SHALL NOT BE LIABLE FOR CONSEQUENTIAL DAMAGES. SUBJECT TO APPLICABLE LAW, ALBAUGH NEITHER MAKES NOR AUTHORIZES ANY OF ITS AGENTS OR REPRESENTATIVES TO MAKE ANY WARRANTY OF FITNESS OR MERCHANTABILITY, GUARANTY OR REPRESENTATION, EXPRESS OR IMPLIED, CONCERNING THIS MATERIAL. Buyer assumes the responsibility to handle, use, and store this product in accordance with safety instructions and use directions contained on the label.

Buyer/User purchases this product subject to the foregoing Conditions of Sale and Limited Warranty which, subject to applicable law, may be varied only by a written agreement signed by a duly authorized representative of Albaugh. If these terms are not acceptable, return all products to the place of purchase, unopened for a full refund.