



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**WASHINGTON, D.C. 20460**

**OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION**

February 11, 2016

Amy Plato Roberts  
Senior Regulatory Consultant Representing Vestaron Corporation  
Technology Sciences Group, Inc. (TSG)  
1150 18th St., NW, Suite 1000  
Washington, DC 20036

Subject: Labeling Notification per Pesticide Registration Notice (PRN) 98-10 – To Add  
Alternate Brand Names, Add Optional Labeling Claims and to Update the Warranty  
Statement to Include an Arbitration Clause  
Product Name: VST-006330 EP  
EPA Registration Number: 88847-2  
Application Date: August 27, 2015  
OPP Decision Number: 510206

Dear Ms. Roberts:

The U.S. Environmental Protection Agency (EPA) is in receipt of your application for notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Biopesticides and Pollution Prevention Division (BPPD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.


The labeling submitted with this application has been stamped "Notification" and will be placed in our records. The alternate brand names "Spear™," "Spear™ T," "Spear™ T Thrip Control," "Spear™ C," and "Spear™ P" have been added to the product's records. You must submit one (1) copy of the final printed labeling with the modifications.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and is subject to review by the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

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If you have any questions, please contact Susanne Cerrelli of my team by phone at (703) 308-8077 or via email at [cerrelli.susanne@epa.gov](mailto:cerrelli.susanne@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Shannon Borges".

Shannon Borges, Team Leader  
Microbial Pesticide Branch  
Biopesticides and Pollution  
Prevention Division (7511P)  
Office of Pesticide Programs

Enclosure

**NOTIFICATION**

88847-2

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

02/11/2016

**VST-006330 EP****MASTER LABEL, containing:****Sublabel A: Greenhouse and Field Use****Sublabel B: Greenhouse and Field Use in Tank Mixes with Bts****Sublabel C: Home & Garden Use****Alternate Brand Names:****“Spear™”****“Spear™ T”****“Spear™ T Thrip Control”****“Spear™ C”****“Spear™ P”****Active Ingredient:** GS-omega/kappa-Hxtx-Hv1a ..... 20.00%**Other Ingredients:** ..... 80.00%**Total:** ..... 100.00%**EPA Reg. No.:** 88847-2**EPA Est. No.:** XXXXX-XX-XX**Net Contents:** XX**(Batch)(Lot) No:** XXXX

**Manufactured by:** Vestaron Corporation  
4717 Campus Drive, Ste. 1200  
Kalamazoo, MI 49008

**VST-006330 EP; EPA Reg. No. 88847-2**

NOTIFICATION to add alternate brand names, add optional labeling claims and update the warranty statement  
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## Sublabel A: Greenhouse and Field Use

# VST-006330 EP

### Biological Insecticide

**(For Greenhouse Thrip(s) Management)**  
**(For Use Against Thrip(s) in Greenhouses)**  
**(Not for residential use)**

**Active Ingredient:** GS-omega/kappa-Hxtx-Hv1a ..... 20.00%  
**Other Ingredients:** ..... 80.00%  
**Total:** ..... 100.00%

(NOTICE: Read the entire label. Use only according to label instructions. Before using the product, read TERMS AND CONDITIONS OF USE, WARRANTY DISCLAIMER, INHERENT RISKS OF USE and LIMITATION OF REMEDIES at the end of the label instructions. If such terms are unacceptable, return the unopened package at once to Vestaron Corporation.)

### 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>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15 – 20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>HOT LINE NUMBER</b>	
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.:** 88847-2  
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## PRECAUTIONARY STATEMENTS

**Hazards to humans and domestic animals - CAUTION.** Causes moderate eye and skin irritation. Avoid contact with eyes, skin or clothing. Wear protective eyewear and gloves. 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

Follow the manufacturer's instructions for cleaning / maintaining PPE. If no instructions are available, use detergent and hot water for washables. 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 [10 CFR 170.240(d)(406)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### **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:** For terrestrial uses: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean highwater mark. 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 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.

### **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.

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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

## PRODUCT INFORMATION

VST-006330 EP is a biological insecticide containing the active ingredient GS-omega/kappa-Hctx-Hv1a for use on ornamental plants, turf and edible crops against cabbage looper (*Tricoplusia ni*), Thysanoptera, Lepidopteron and Coleopteran pests. VST-006330 EP functions primarily as a central nervous inhibitor of target pests infesting labeled crops. VST-006330 EP is mixed with water and applied as a foliar spray with ground or aerial equipment equipped for conventional insecticide spraying.

VST-006330 EP can be used in either the field or greenhouse.

## USE INSTRUCTIONS

VST-006330 EP is a highly selective insecticide for use against the listed insect pest. Close scouting and early attention to infestations is highly recommended. Proper timing of application targeting newly hatched larvae is important for optimal results.

Thorough coverage of infested plant parts is necessary. VST-006330 EP does not have systemic activity. For some crops, directed drop nozzles by ground machine are required.

Under heavy pest populations shorten the spray interval, and/or increase the spray volume to improve coverage.

Repeat applications at 3-10 day intervals depending upon plant growth rate, insect activity, and other factors.

Tank mix with contact insecticides/miticides, to enhance performance. Refer to tank mix section.

For hard-to-wet crops, consider using a spreader/sticker or an adjuvant that has been approved for targeted crop use to enhance the adhesion of VST-006330 EP to the crop. Examples of appropriate spreader/stickers or adjuvants are: 1) alkoxylated surfactants, 2) organic silicates, 3) vegetable oils, 4) methylated vegetable oils, 5) mineral oils, and/or 6) phospholipids.

VST-006330 EP has been evaluated for phytotoxicity on a variety of crops under various normal growing conditions. However, testing all crop varieties, in all mixtures and combinations is not feasible. Prior to treating entire crop, test a small portion of the crop for sensitivity.

**Integrated Pest Management (IPM):**

VST-006330 EP is an important tool in sound insect management whenever insecticide use is necessary. Apply VST-006330 EP alone or in combination and / or rotation with chemical insecticides. This will result in reduced susceptibility to insect damage and overall reduction in the use of chemical insecticides. Consult local agricultural authorities for specific IPM strategies developed for your crop(s) and location.

**Preharvest interval – agricultural use:**

VST-006330 EP can be applied up to and including the day of harvest.

**GROUND AND AERIAL APPLICATIONS**

**USE RESTRICTION: Do not apply more than 10 lbs. VST-006330 EP per acre per year.**

Apply VST-006330 EP in ground and aerial equipment with quantities of water sufficient to provide thorough coverage of infested plant parts. The amount of water needed per acre will depend upon crop development, weather, application equipment, and local experience.

Do not spray when wind speed favors drift beyond the area intended for use.

Avoiding spray drift is the responsibility of the applicator.

**Mixing directions:**

**Important** – Do not add VST-006330 EP to the mix tank before introducing the desired amount of water. Add water to the mix tank. Start the mechanical or hydraulic agitation to provide moderate circulation before adding VST-006330 EP. Add the desired volume of VST-006330 EP to the mix tank and continue circulation. Maintain circulation while loading and spraying. Do not mix more VST-006330 EP than can be used in 24 hours.

**Spray volume:**

For conventional air and ground applications, use at least 10 gallons of total volume per acre in water based sprays.

**Tank mixing:**

Do not combine VST-006330 EP in the spray tank with other pesticides, surfactants, adjuvants, or fertilizers if there has been no previous experience or use of the combination to show it is physically compatible, effective, or non-injurious under your use conditions. Follow the most restrictive of the labeling limitations and precautions of all products used in mixtures.

To ensure compatibility of tank-mix combinations they must be evaluated prior to use. To determine the physical compatibility of this product with other products use a jar test. Using a quart jar, add the proportionate amounts of the products to one quart of water with agitation. Add dry formulations first, then flowables, then emulsifiable concentrates last. After thoroughly mixing, let this mixture stand for 5 minutes. If the combination remains mixed or can be readily be remixed, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank.

**CHEMIGATION USE DIRECTIONS**

Apply this product only through sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move irrigation systems. Do not apply this product through any other type of irrigation systems. Do not connect an irrigation system (including greenhouse systems) used for pesticide applications to a public water system.

### **Spray preparation**

First prepare a suspension of VST-006330 EP in a mix tank. Fill tank  $\frac{1}{2}$  to  $\frac{3}{4}$  the desired amount of water. Start mechanical or hydraulic agitation. Add the required amount of VST-006330 EP, and then the remaining volume of water. Then set the sprinkler to deliver a minimum of 0.1 to 0.3 inch of water per acre. Start sprinkler and uniformly inject the suspension of VST-006330 EP into the irrigation water line so as to deliver the desired rate per acre. Inject the suspension of VST-006330 EP with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing. Any questions on calibration should be directed to your State Extension Service Specialists, to equipment manufacturers or other experts.

Do not combine VST-006330 EP with pesticides, surfactants or fertilizers for application through chemigation equipment unless prior experience has shown the combination physically compatible, effective and non-injurious under conditions of use. VST-006330 EP has not been fully evaluated for compatibility with all adjuvants or surfactants. It is advisable to conduct a spray compatibility test if a mixture with adjuvants or surfactants is planned.

### **GENERAL PRECAUTIONS FOR APPLICATIONS THROUGH SPRINKLER IRRIGATION SYSTEMS**

Maintain continuous agitation in the mix tank during mixing and application to insure a uniform suspension. Greater accuracy in calibration and distribution will be achieved by injecting a larger volume for a more dilute solution per unit time. Crop injury or lack of effectiveness can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise. Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation waters.

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump stops.



The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

Do not apply when wind speed favors drift, when system connections or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product must be dismantled and drained.

## **AERIAL DRIFT REDUCTION ADVISORY INFORMATION**

**GENERAL:** 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. Where states have more stringent regulations, they should be observed. Note: This section is advisory in nature and does not supersede the mandatory label requirements.

**INFORMATION ON DROPLET SIZE:** The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that will provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see Wind, Temperature and Humidity, and Temperature Inversions).

**CONTROLLING DROPLET SIZE:** Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets. Pressure - Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types lower pressure produces larger droplets. When high flow rates are needed, use higher flow rate nozzles instead of increasing pressure. Number of nozzles - Use the minimum number of nozzles that provide uniform coverage. Nozzle Orientation - Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential. Nozzle Type - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

**BOOM WIDTH:** For aerial applications, the boom width must not exceed 75% of the wingspan or 90% of the rotary blade. Use upwind swath displacement and apply only when wind speed is 3-10 mph as measured by an anemometer. Use medium or coarser spray according to ASAE 572 definition for standard nozzles or VMD for spinning atomizer nozzles. If application includes a no-spray zone, do not release spray at a height greater than 10 feet above the ground or crop canopy.

**APPLICATION HEIGHT:** Do not make application at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure to droplets to evaporation and wind.

**SWATH ADJUSTMENT:** When applications are made with a crosswind, the swath will be displaced downward. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with increasing drift potential (higher wind, smaller drops, etc.).

**WIND:** Drift potential is lowest between wind speeds of 2 - 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. **NOTE:** Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

**TEMPERATURE AND HUMIDITY:** When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

**TEMPERATURE INVERSIONS:** Do not apply during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small, suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

**SENSITIVE AREAS:** The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas). Do not allow spray to drift from the application site and contact people, structures people occupy at any time and the associated property, parks and recreation areas, non-target crops, aquatic and wetland areas, woodlands, pastures, rangelands, or animals.

# APPLICATION RATES FOR VST-006330 EP ON THE FOLLOWING CROPS:

Pre-harvest Interval (PHI) = 0 days

## I. Vegetable and Cole Crops (Groups 1, 3, 4, 5, 6, 8 and 9):

Crops	Insect Pest	Application Rate
Arrachacha	Armyworm	4 lbs. VST-006330 EP/acre
Arrowroot	Cabbage looper	
Artichokes	Diamondback Moth	
Arugula	Imported Cabbage Worm	
Asparagus	Looper	
Beans- including garden, dried, succulent, adzuki, fava, field, garbanzo, pinto, kidney, lentil, lima, moonbeam, navy, runner, snap, teary, wax, yard long	Melonworm	
Beets-including garden	Carrot weevil	1-4 lbs. VST-006330 EP/acre
Bok Choy	Colorado potato beetle	
Broccoli	Japanese beetle	
Broccoli Raab	Pepper Weevil	
Brussels Sprouts	Spotted cucumber beetle	
Burdock	Striped cucumber beetle	
Cabbage	Western Stripped Cucumber beetle	0.25-2lbs. VST-006330 EP/acre
Canna	Japanese beetle larvae	
Cardoni	Thrips	
Carrots		
Cassava		
Cauliflower		
Cavalo		
Celeriac		
Celery		
Chayote root		
Chervil		
Chick peas		
Chicory		
China greens		
Chinese artichoke		
Chinese broccoli		
Chinese cabbage (Napa)		
Chinese mustard cabbage		
Chinese waxgourd		
Chufa		
Cocona		
Collards		
Corn salad		
Cress		
Cucumber		
Cucurbits including cantaloupe and watermelon		

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Dandelion dock Dasheen Dry bulb onions Edible burdock Edible chrysanthemum Edible gourds Eggplant Escarole Endive Garlic Ginger Ginseng Green onions Greens: Beets, China, Dandelion, Mustard, Turnip, Rape Ground cherry Horseradish Jerusalem artichoke Kale Kohlrabi Leeks Lentils Lettuce: Head, Leaf, Romaine Lupine Malanga Melons: Cantaloupe, Crenshaw, Honeydew, Muskmelon, Watermelon, etc. Mizuna Mustard spinach Napa Okra Olives Onions Parsley Parsnips Peas-including garden, dried, succulent, black-eyed, chickpea, cowpea, crowder, edible-pod, English, field, green, pigeon, snow, sugar snap Pepino Peppers – including bell, chili, cooking, pimento, sweet Potatoes Pumpkins Purslane Radicchio Radishes Rhubarb Rutabaga		
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Salsify Shallots Skirret Soybean foliage Soybean Spinach Squash Sugar beets Sweet potatoes Swiss chard Tanier Tomatillo Tomatoes Turmeric Turnips Turnip-rooted chervil Turnip-rooted parsley Watercress Yam bean Yams		
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## II. Field Crops

Crop	Insect Pest	Application Rate
Alfalfa, Hay and other forage Crops	Armyworm Looper	4 lbs. VST-006330 EP/acre
	Alfalfa weevil	1-4 lbs. VST-006330 EP/acre
Canola, rapeseed	Looper Armyworm	4 lbs. VST-006330 EP/acre
Cotton	Armyworm Cabbage looper	4 lbs. VST-006330 EP/acre
	Thrips	0.25-2lbs. VST-006330 EP/acre
Grain, cereal (Group 15): Barley, Corn (sweet and field) , Popcorn, Rice, Sorghum, Wheat	Armyworm Looper	4 lbs. VST-006330 EP/acre
	Corn rootworm -including Northern, Western, Southern, Mexican Spotted cucumber beetle Striped cucumber beetle Western Stripped Cucumber beetle	4 lbs. VST-006330 EP/acre
	Thrips, Japanese Beetle	0.25-2lbs. VST-006330 EP/acre

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Hops	Armyworm Looper	4 lbs. VST-006330 EP/acre
Safflower	Armyworm Looper	4 lbs. VST-006330 EP/acre
Soybean	Armyworm Cabbage Looper	4 lbs. VST-006330 EP/acre
	Thrips	0.25-2lbs. VST-006330 EP/acre
Sunflower	Looper	4 lbs. VST-006330 EP/acre
Tobacco	Cabbage looper Looper	4 lbs. VST-006330 EP/acre
Wheat	Armyworm Looper	4 lbs. VST-006330 EP/acre

### III. Commercial Flowers and Ornamental Plants

Crop	Insect Pest	Application Rate
Flowers: greenhouse and field Greenhouse vegetables	Cabbage looper	0.5 – 1.0 lbs. VST-006330 EP/100 gal
	Thrips	11-64 oz. VST-006330 EP/100 gal

### IV. Herbs (Group 19)

Crop	Insect Pest	Application Rate
Basil Chive Cilantro Dill Mint Parsley Rosemary Sage Thyme	Armyworm Cabbage Looper Looper	4 lbs. VST-006330 EP/acre

### V. Tree, Bush and Vine Crops

Crop	Insect Pest	Application Rate
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Bushberry and Caneberry (Group 13) - Including: Blackberry, Blueberry, Currant, Elderberry, Gooseberry, Huckleberry, Juneberry, Lignonberry, Loganberry, Raspberry Salal, Sunberry	Achema Sphinx Moth (hornworm) Armyworm Cherry Fruitworm Cranberry Fruitworm Cutworm Grape Leafroller Grapeberry moth Grapeleaf Skeletonizer Gypsy Moth Looper Melonworm Obliquebanded Leafroller Omnivorous Leafroller Orange Tortix Saltmarsh Caterpillar Tobacco budworm	4 lbs. VST-006330 EP/acre
	Japanese Beetle Pepper Weevil White grub -including European, Chafer larvae, May/June beetle larvae, Japanese beetle larvae, Oriental beetle larvae	1-4 lbs. VST-006330 EP/acre
Citrus (Group 10) - Including: Calamondin, Citrus citron, citrus hybrids (including chironja, tangelo, and tangor), Grapefruit, Kumquat, Lemon, Lime, Mandarin (tangerine), Pummelo, Orange, Satsuma mandarin, White sapote	Citrus Root weevil (larval complex)	1-4 lbs. VST-006330 EP/acre
Climbing vines (Group 13)- Including but not limited to: Grapes, Gooseberry, Kiwifruit, Maypop, Schisandra berry,	Armyworm Looper Melonworm	4 lbs. VST-006330 EP/acre
	Japanese Beetle	4 lbs. VST-006330 EP/acre
Low growing berries (Group 13)- Including but not limited to: Bearberry, Bilberry, Lowbush Blueberry, Cloudberry, Cranberry, Lignonberry, Muntries, Partridgeberry	Armyworm Looper Melonworm	4 lbs. VST-006330 EP/acre
	White grub -including European, Chafer larvae, May/June beetle larvae, Japanese beetle larvae, Oriental beetle larvae	1-4 lbs. VST-006330 EP/acre
Pome fruit (Group 10-11) - Including: Apple, Azarole,	Armyworm	4 lbs. VST-006330 EP/acre

Crabapple, Loquat, Mayhaw, Hook, Medlar, Pear, Quince, Tejocote	Japanese Beetle	1-4 lbs. VST-006330 EP/acre
Pomegranate	Armyworm	4 lbs. VST-006330 EP/acre
Stone Fruit (Group 12) - Including: Apricot, Cherry, Nectarine, Peach, Plum, Plumcot, Prune	Japanese Beetle	1-4 lbs. VST-006330 EP/acre
Tree nuts (Group 14) - Including: Almond, Beech nut, Brazil nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert (hazelnut), Hickory nut, Macadamia Nut, Pecan, Pistachio, Walnut	Armyworm	4 lbs. VST-006330 EP/acre
	Pecan Weevil	1-4 lbs. VST-006330 EP/acre
Tropical Fruit	Looper Omnivorous Looper	4 lbs. VST-006330 EP/acre

## VI. Commercial Flowers and Ornamental Plants

Crop	Insect Pest	Application Rate
Bedding Plants Flowers: greenhouse and field Greenhouse ornamentals Greenhouse vegetables Container stock	Armyworm Beet armyworm Diamondback moth Loopers	4 lbs. VST-006330 EP/acre
	Thrips	11-64 oz. VST-006330 EP/100 gallons of water

## VII. Forest, Shade Tree and Nursery Stock

Crop	Insect Pest	Application Rate
Deciduous Forest Shade Trees Nursery Trees Ornamental Trees Confers-including Christmas trees	Armyworm Loopers	4 lbs. VST-006330 EP/acre

## VIII. Turf

Crop	Insect Pest	Application Rate
Turf- including turf grown for seed or sod	Armyworm Cutworms Sod webworm Tropical sod webworm	4 lbs. VST-006330 EP/acre
	Grubs Japanese beetle larvae	1-4 lbs. VST-006330 EP/acre

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## STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store in original container at less than 40°F for up to 6 months after date of manufacture.

**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:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. 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.

## TERMS AND CONDITIONS OF USE

If the terms of the following WARRANTY DISCLAIMER, INHERENT RISKS OF USE, ~~and~~ LIMITATION OF REMEDIES ~~and~~ MANDATORY ARBITRATION OF DISPUTES are not acceptable, return the unopened package at once to Vestaron Corporation. Otherwise, use of the product will constitute acceptance of the terms under WARRANTY DISCLAIMER, INHERENT RISKS OF USE, ~~and~~ LIMITATION OF REMEDIES ~~and~~ MANDATORY ARBITRATION OF DISPUTES.

### WARRANTY DISCLAIMER

TO THE EXTENT PERMITTED BY APPLICABLE LAW, VESTARON CORPORATION MAKES NO WARRANTY, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE CONCERNING USE OF THE PRODUCT.

### INHERENT RISKS OF USE

It is impossible to eliminate all risks associated with use of the product. Crop injury, lack of performance, or other unintended consequences may result because of such factors as use, storage or handling of the product not in strict accordance with the accompanying label instructions, abnormal conditions, presence of other materials, or other factors, all of which are beyond the control of Vestaron Corporation. All such risks shall be assumed by the user.

### LIMITATION OF REMEDIES

To the extent permitted by law, the exclusive remedy for losses or damages resulting from the product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to replacement of the amount of product used.

To the extent permitted by law, Vestaron Corporation disclaims any liability for incidental, consequential, exemplary, special or indirect damages resulting from the use, storage or handling of the product.

~~The terms of the WARRANTY DISCLAIMER, INHERENT RISKS OF USE, and LIMITATION OF REMEDIES [cannot be varied by any written or verbal statements or agreements. No employee or other agent of Vestaron Corporation is authorized to vary or exceed the terms of the WARRANTY DISCLAIMER, INHERENT RISKS OF USE, and LIMITATION OF REMEDIES in any manner/may be varied only by agreement in writing signed by a duly authorized representative of Vestaron Corporation].~~

### MANDATORY ARBITRATION OF DISPUTES

~~To the extent permitted by law, any controversy or claim arising out of or relating to the product (including claims based on contract, negligence, strict liability or other legal theories) shall be settled by arbitration administered by the American Arbitration Association in accordance with its Commercial Arbitration Rules, and judgment on the award rendered by the arbitrator may be entered in any court having jurisdiction thereof.~~

To the extent permitted by law, the terms of the WARRANTY DISCLAIMER, INHERENT RISKS OF USE, LIMITATION OF REMEDIES and MANDATORY ARBITRATION OF DISPUTES cannot be varied by any written or verbal statements or agreements. No employee or other agent of Vestaron Corporation is authorized to vary or exceed the terms of the WARRANTY DISCLAIMER, INHERENT RISKS OF USE, LIMITATION OF REMEDIES and MANDATORY ARBITRATION OF DISPUTES in any manner/may be varied only by agreement in writing signed by a duly authorized representative of Vestaron Corporation.

# Sublabel B: Greenhouse and Field Use in Tank Mixes with Bts

## VST-006330 EP

### Biological Insecticide

**Active Ingredient:** GS-omega/kappa-Hxtx-Hv1a ..... 20.00%

**Other Ingredients:** ..... 80.00%

**Total:** ..... 100.00%

(NOTICE: Read the entire label. Use only according to label instructions. Before using the product, read TERMS AND CONDITIONS OF USE, WARRANTY DISCLAIMER, INHERENT RISKS OF USE and LIMITATION OF REMEDIES at the end of the label instructions. If such terms are unacceptable, return the unopened package at once to Vestaron Corporation.)

### 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>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15 – 20 minutes.</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.:** 88847-2

**Net Contents:** XX

**(Batch)(Lot) No:** XXXX

**EPA Est. No.:** XXXXX-XX-XXX

**Manufactured by:** Vestaron Corporation  
4717 Campus Drive, Ste. 1200  
Kalamazoo, MI 49008

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## PRECAUTIONARY STATEMENTS

**Hazards to humans and domestic animals - CAUTION.** Causes moderate eye and skin irritation. Avoid contact with eyes, skin or clothing. Wear protective eyewear and gloves. 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

Follow the manufacturer's instructions for cleaning / maintaining PPE. If no instructions are available, use detergent and hot water for washables. 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 [10 CFR 170.240(d)(406)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### **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:** For terrestrial uses: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean highwater mark. 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 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.

### **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.

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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

## PRODUCT INFORMATION

Tank mix with *Bacillus thuringiensis* products (Bts) to enhance control.

VST-006330 EP is a biological insecticide containing the active ingredient GS-omega/kappa-Hctx-Hv1a for use on ornamental plants, turf and edible crops against cabbage looper (*Tricoplusia ni*), Thysanoptera, Lepidopteron and Coleopteran pests. VST-006330 EP functions primarily as a central nervous inhibitor of target pests infesting labeled crops. In tank mixes with EPA-registered *Bacillus thuringiensis* products (Bts), VST-006330 EP is mixed with water and applied as a foliar spray with ground or aerial equipment equipped for conventional insecticide spraying.

VST-006330 EP tank mixes with Bts can be used in either the field or greenhouse.

## USE INSTRUCTIONS

Thorough coverage of infested plant parts is necessary. VST-006330 EP does not have systemic activity. For some crops, directed drop nozzles by ground machine are required.

Under heavy pest populations shorten the spray interval, and/or increase the spray volume to improve coverage.

Repeat applications at 3-10 day intervals depending upon plant growth rate, insect activity, and other factors.

For hard-to-wet crops, consider using a spreader/sticker or an adjuvant that has been approved for targeted crop use to enhance the adhesion of the VST-006330 EP tank mix to the crop. Examples of appropriate spreader/stickers or adjuvants are: 1) alkoxylated surfactants, 2) organic silicates, 3) vegetable oils, 4) methylated vegetable oils, 5) mineral oils, and/or 6) phospholipids.

VST-006330 EP has been evaluated for phytotoxicity on a variety of crops under various normal growing conditions. However, testing all crop varieties, in all mixtures and combinations is not feasible. Prior to treating entire crop, test a small portion of the crop for sensitivity.

## GROUND AND AERIAL APPLICATIONS

**USE RESTRICTION: Do not apply more than 10 lbs. VST-006330 EP per acre per year.**

Apply VST-006330 EP tank mixes in ground and aerial equipment with quantities of water sufficient to provide thorough coverage of infested plant parts. The amount of water needed per acre will depend upon crop development, weather, application equipment, and local experience.

Do not spray when wind speed favors drift beyond the area intended for use.

Avoiding spray drift is the responsibility of the applicator.

**Mixing directions:**

**Important** – Do not add VST-006330 EP to the mix tank before introducing the desired amount of water. Add water to the mix tank. Start the mechanical or hydraulic agitation to provide moderate circulation before adding VST-006330 EP. Add the desired volume of VST-006330 EP to the mix tank and continue circulation. Maintain circulation while loading and spraying. Do not mix more VST-006330 EP than can be used in 24 hours.

**Spray volume:**

For conventional air and ground applications, use at least 10 gallons of total volume per acre in water based sprays.

**Tank mixing:**

Do not combine VST-006330 EP in the spray tank with other pesticides, surfactants, adjuvants, or fertilizers if there has been no previous experience or use of the combination to show it is physically compatible, effective, or non-injurious under your use conditions. Follow the most restrictive of the labeling limitations and precautions of all products used in mixtures.

To ensure compatibility of tank-mix combinations they must be evaluated prior to use. To determine the physical compatibility of this product with other products use a jar test. Using a quart jar, add the proportionate amounts of the products to one quart of water with agitation. Add dry formulations first, then flowables, then emulsifiable concentrates last. After thoroughly mixing, let this mixture stand for 5 minutes. If the combination remains mixed or can be readily be remixed, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank.

**CHEMIGATION USE DIRECTIONS**

Apply this product only through sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move irrigation systems. Do not apply this product through any other type of irrigation systems. Do not connect an irrigation system (including greenhouse systems) used for pesticide applications to a public water system.

**Spray preparation**

First prepare a suspension of VST-006330 EP in a mix tank. Fill tank  $\frac{1}{2}$  to  $\frac{3}{4}$  the desired amount of water. Start mechanical or hydraulic agitation. Add the required amount of VST-006330 EP, and then the remaining volume of water. Then set the sprinkler to deliver a minimum of 0.1 to 0.3 inch of water per acre. Start sprinkler and uniformly inject the suspension of VST-006330 EP into the irrigation water line so as to deliver the desired rate per acre. Inject the suspension of VST-006330 EP with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing. Any questions on calibration should be directed to your State Extension Service Specialists, to equipment manufacturers or other experts.

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Do not combine VST-006330 EP with pesticides, surfactants or fertilizers for application through chemigation equipment unless prior experience has shown the combination physically compatible, effective and non-injurious under conditions of use. VST-006330 EP has not been fully evaluated for compatibility with all adjuvants or surfactants. It is advisable to conduct a spray compatibility test if a mixture with adjuvants or surfactants is planned.

## **GENERAL PRECAUTIONS FOR APPLICATIONS THROUGH SPRINKLER IRRIGATION SYSTEMS**

Maintain continuous agitation in the mix tank during mixing and application to insure a uniform suspension. Greater accuracy in calibration and distribution will be achieved by injecting a larger volume for a more dilute solution per unit time. Crop injury or lack of effectiveness can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise. Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation waters.

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

Do not apply when wind speed favors drift, when system connections or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product must be dismantled and drained.

## **AERIAL DRIFT REDUCTION ADVISORY INFORMATION**



**GENERAL:** 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. Where states have more stringent regulations, they should be observed. Note: This section is advisory in nature and does not supersede the mandatory label requirements.

**INFORMATION ON DROPLET SIZE:** The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that will provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see Wind, Temperature and Humidity, and Temperature Inversions).

**CONTROLLING DROPLET SIZE:** Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets. Pressure - Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types lower pressure produces larger droplets. When high flow rates are needed, use higher flow rate nozzles instead of increasing pressure. Number of nozzles - Use the minimum number of nozzles that provide uniform coverage. Nozzle Orientation - Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential. Nozzle Type - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

**BOOM WIDTH:** For aerial applications, the boom width must not exceed 75% of the wingspan or 90% of the rotary blade. Use upwind swath displacement and apply only when wind speed is 3-10 mph as measured by an anemometer. Use medium or coarser spray according to ASAE 572 definition for standard nozzles or VMD for spinning atomizer nozzles. If application includes a no-spray zone, do not release spray at a height greater than 10 feet above the ground or crop canopy.

**APPLICATION HEIGHT:** Do not make application at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure to droplets to evaporation and wind.

**SWATH ADJUSTMENT:** When applications are made with a crosswind, the swath will be displaced downward. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with increasing drift potential (higher wind, smaller drops, etc.).

**WIND:** Drift potential is lowest between wind speeds of 2 - 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. NOTE: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

**TEMPERATURE AND HUMIDITY:** When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

**TEMPERATURE INVERSIONS:** Do not apply during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small, suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

**SENSITIVE AREAS:** The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas). Do not allow spray to drift from the application site and contact people, structures people occupy at any time and the associated property, parks and recreation areas, non-target crops, aquatic and wetland areas, woodlands, pastures, rangelands, or animals.

**APPLICATION RATES FOR VST-006330 EP + *BACILLUS THURINGIENSIS* IN A TANK MIX ON THE FOLLOWING CROPS:**

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

**I. Vegetable, Cole and Small Fruit Crops (Groups 1, 3, 4, 5, 6, 8, 9)**

<b>Crop</b>	<b>Insect Pest</b>	<b>Application Rate</b>
Arrachacha Arrowroot Artichokes Arugula Asparagus Beans- including garden, dried, succulent, adzuki, fava, field, garbanzo, pinto, kidney, lentil, lima, moonbeam, navy, runner, snap, teary, wax, yard long Beets-including garden Bok Choy Broccoli Broccoli Raab Brussels Sprouts Burdock Cabbage Canna Cardoni Carrots Cassava Cauliflower Cavalo Celeriac Celery Chayote root Chervil Chick peas Chicory China greens Chinese artichoke Chinese broccoli Chinese cabbage (Napa) Chinese mustard cabbage Chinese waxgourd Chufa Cocona Collards Corn salad Cress Cucumber Cucurbits including cantaloupe and watermelon Dandelion dock Dasheen	Any lepidopteron insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Achema Sphinx Moth (hornworm) Armyworm Cabbage looper Cherry Fruitworm Cranberry Fruitworm Cross-stripped Cabbageworm Cutworm Diamondback Moth Grape Leafroller Grapeberry moth Grapeleaf Skeletonizer Green Cloverworm Gypsy Moth <i>Helicoverpa zea</i> <i>Heliothis virescens</i> Hornworms Imported Cabbage Worm Looper Melonworm Melonworm Obliquebanded Leafroller Omnivorous Leafroller Orange Tortix Podworm Rindworm Complex Saltmarsh Caterpillar Soybean Looper Tobacco budworm Tomato Fruitworm Variegated Cutworm Velvetbean Caterpillar Webworm	0.2 – 1.5 lbs. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered <i>Bacillus thuringiensis</i> , subsp. <i>kurstaki</i> or <i>Bacillus thuringiensis</i> , subsp. <i>aizawi</i> or other <i>Bacillus thuringiensis</i> products used to control lepidopterans
Cocona Collards Corn salad Cress Cucumber Cucurbits including cantaloupe and watermelon Dandelion dock Dasheen	Any coleopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Asparagus Beetle Bean Leaf Beetle Blister beetle Cabbage flea beetle Carrot weevil Colorado potato beetle	0.1 – 1 lb. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered products containing <i>Bacillus thuringiensis</i> , subsp. <i>tenebrionis</i> or other <i>Bacillus thuringiensis</i> products used to control coleopterans.

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Dry bulb onions Edible burdock Edible chrysanthemum Edible gourds Eggplant Escarole Endive Garlic Ginger Ginseng Green onions Greens: Beets, China, Dandelion, Mustard, Turnip, Rape Ground cherry Horseradish Jerusalem artichoke Kale Kohlrabi Leeks Lentils Leren Lettuce: Head, Leaf, Romaine Lupine Malanga Melons: Cantaloupe, Crenshaw, Honeydew, Muskmelon, Watermelon, etc. Mizuna Mustard spinach Napa Okra Olives Onions Parsley Parsnips Peas-including garden, dried, succulent, black-eyed, chickpea, cowpea, crowder, edible-pod, English, field, green, pigeon, snow, sugar snap, Pepino Peppers-including bell, chili, cooking, pimento; sweet Potatoes Pumpkins Purslane Radicchio Radishes Rhubarb Rutabaga Salsify Shallots Skirret	Eggplant flea beetle Flea beetle Golden Tortoise beetle Japanese Beetle Melonworm Mexican Bean Beetle Pale-stripped flea beetle Pepper Weevil Pickleworm Potato Flea Beetle Spinach flea beetle Spotted Asparagus Beetle Spotted cucumber beetle Strawberry rootworm Striped Asparagus beetle Striped cucumber beetle Striped flea beetle Sweet potato flea beetle Western Stripped Cucumber beetle White grub (including European, Chafer larvae, May/June beetle larvae, Japanese beetle larvae, Oriental beetle larvae Wireworm	
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Soybean foliage Soybean Spinach Squash Strawberry Sugar beets Sweet potatoes Swiss chard Tanier Tomatillo Tomatoes Turmeric Turnips Turnip-rooted chervil Turnip-rooted parsley Watercress Yam bean Yams		
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## II. Field Crops

Crop	Insect Pest	Application Rate
Alfalfa, Hay and other forage Crops	Any lepidopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Alfalfa Caterpillar Armyworm Essex Skipper European Skipper Looper	0.2 – 1.5 lbs. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered <i>Bacillus thuringiensis</i> , subsp. <i>kurstaki</i> or <i>Bacillus thuringiensis</i> , subsp. <i>aizawi</i> or other <i>Bacillus thuringiensis</i> products used to control lepidopterans
Canola, rapeseed	Any lepidopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Looper Armyworm <i>Heliothis virescens</i> <i>Helicoverpa zea</i>	0.2 – 1.5 lbs. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered <i>Bacillus thuringiensis</i> , subsp. <i>kurstaki</i> or <i>Bacillus thuringiensis</i> , subsp. <i>aizawi</i> or other <i>Bacillus thuringiensis</i> products used to control lepidopterans
	Any coleopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Flea beetle Wireworm	0.1 – 1 lb. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered products containing <i>Bacillus thuringiensis</i> , subsp. <i>tenebrionis</i> or other <i>Bacillus thuringiensis</i> products used to control coleopterans

Cotton	Any lepidopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Armyworm Budworm Bollworm Cabbage looper <i>Helicoverpa zea</i> Saltmarsh Caterpillar	0.2 – 1.5 lbs. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered <i>Bacillus thuringiensis</i> , subsp. <i>kurstaki</i> or <i>Bacillus thuringiensis</i> , subsp. <i>aizawi</i> or other <i>Bacillus thuringiensis</i> products used to control lepidopterans
Grain, cereal (Group 15) - Including: Barley, Corn (sweet and field) , Popcorn, Rice, Sorghum, Wheat	Any lepidopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Armyworm European Corn Borer Headworm Looper	0.2 – 1.5 lbs. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered <i>Bacillus thuringiensis</i> , subsp. <i>kurstaki</i> or <i>Bacillus thuringiensis</i> , subsp. <i>aizawi</i> or other <i>Bacillus thuringiensis</i> products used to control lepidopterans
	Any coleopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Corn flea beetle Corn rootworm -including Northern, Western, Southern, Mexican Corn Sap Beetle Grape colaspis Japanese Beetle Southern corn billbug Southern corn leaf beetle Sugarcane beetle White grub -including European, Chafer larvae, May/June beetle larvae, Japanese beetle larvae, Oriental beetle larvae White grub (including European, Chafer larvae, May/June beetle larvae, Japanese beetle larvae, Oriental beetle larvae Wireworms	0.1 – 1 lb. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered products containing <i>Bacillus thuringiensis</i> , subsp. <i>tenebrionis</i> or other <i>Bacillus thuringiensis</i> products used to control coleopterans
Hops	Any coleopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Armyworm Looper	0.1 – 1 lb. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered products containing <i>Bacillus thuringiensis</i> , subsp. <i>tenebrionis</i> or other <i>Bacillus thuringiensis</i> products used to control coleopterans
Safflower	Any lepidopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Armyworm Looper	0.2 – 1.5 lbs. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered <i>Bacillus thuringiensis</i> , subsp. <i>kurstaki</i> or <i>Bacillus thuringiensis</i> ,

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	Saltmarsh Caterpillar	subsp. <i>aizawi</i> or other <i>Bacillus thuringiensis</i> products used to control lepidopterans
Soybean	Any lepidopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Armyworm Cabbage Looper Green Cloverworm Podworm Soybean Looper Velvetbean Caterpillar	0.2 – 1.5 lbs. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered <i>Bacillus thuringiensis</i> , subsp. <i>kurstaki</i> or <i>Bacillus thuringiensis</i> , subsp. <i>aizawi</i> or other <i>Bacillus thuringiensis</i> products used to control lepidopterans
Sunflower	Any lepidopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Head Moth Looper	0.2 – 1.5 lbs. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered <i>Bacillus thuringiensis</i> , subsp. <i>kurstaki</i> or <i>Bacillus thuringiensis</i> , subsp. <i>aizawi</i> or other <i>Bacillus thuringiensis</i> products used to control lepidopterans
Tobacco	Any lepidopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Cabbage looper Hornworm Looper Tobacco Budworm	0.2 – 1.5 lbs. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered <i>Bacillus thuringiensis</i> , subsp. <i>kurstaki</i> or <i>Bacillus thuringiensis</i> , subsp. <i>aizawi</i> or other <i>Bacillus thuringiensis</i> products used to control lepidopterans
	Any coleopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Budworm Flea beetle Wireworms	0.1 – 1 lb. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered products containing <i>Bacillus thuringiensis</i> , subsp. <i>tenebrionis</i> or other <i>Bacillus thuringiensis</i> products used to control coleopterans
Wheat	Any lepidopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Armyworm European Corn Borer Headworm Looper	0.2 – 1.5 lbs. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered <i>Bacillus thuringiensis</i> , subsp. <i>kurstaki</i> or <i>Bacillus thuringiensis</i> , subsp. <i>aizawi</i> or other <i>Bacillus thuringiensis</i> products used to control lepidopterans

### III. Commercial Flowers and Ornamental Plants

Crop	Insect Pest	Application Rate
Flowers: greenhouse and field Greenhouse vegetables	Any lepidopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Cabbage looper <i>Heliothis virescens</i> <i>Helicoverpa zea</i>	0.2 – 1.5 lbs. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered <i>Bacillus thuringiensis</i> , subsp. <i>kurstaki</i> or <i>Bacillus thuringiensis</i> , subsp. <i>aizawi</i> or other <i>Bacillus</i>

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		<i>thuringiensis</i> products used to control lepidopterans
	Any coleopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Mealybugs	0.1 – 1 lb. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered products containing <i>Bacillus thuringiensis</i> , subsp. <i>tenebrionis</i> or other <i>Bacillus thuringiensis</i> products used to control coleopterans

#### IV. Herbs (Group 19)

Crop	Insect Pest	Application Rate
Basil Chive Cilantro Dill Mint Parsley Rosemary Sage Thyme	Any lepidopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Armyworm Cabbage Looper Looper Saltmarsh Caterpillar	0.2 – 1.5 lbs. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered <i>Bacillus thuringiensis</i> , subsp. <i>kurstaki</i> or <i>Bacillus thuringiensis</i> , subsp. <i>aizawi</i> or other <i>Bacillus thuringiensis</i> products used to control lepidopterans
	Any coleopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Wireworm	0.1 – 1 lb. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered products containing <i>Bacillus thuringiensis</i> , subsp. <i>tenebrionis</i> or other <i>Bacillus thuringiensis</i> products used to control coleopterans

#### V. Tree, Bush and Vine Crops

Crop	Insect Pest	Application Rate
Bushberry and Caneberry (Group 13) - Including: Blackberry, Blueberry, Currant, Elderberry, Gooseberry, Huckleberry, Juneberry, Lignoberry, Loganberry, Raspberry Salal, Sunberry	Any lepidopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Achema Sphinx Moth (hornworm) Armyworm Cherry Fruitworm Cranberry Fruitworm Cutworm Grape Leafroller Grapeberry moth Grapeleaf Skeletonizer Gypsy Moth Looper Melonworm Obliquebanded Leafroller Omnivorous Leafroller Orange Tortix Saltmarsh Caterpillar Tobacco budworm	0.2 – 1.5 lbs. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered <i>Bacillus thuringiensis</i> , subsp. <i>kurstaki</i> or <i>Bacillus thuringiensis</i> , subsp. <i>aizawi</i> or other <i>Bacillus thuringiensis</i> products used to control lepidopterans



	Any coleopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Flea Beetle Japanese Beetle Pepper Weevil Sap Beetles Strawberry Rootworm White grub -including European, Chafer larvae, May/June beetle larvae, Japanese beetle larvae, Oriental beetle larvae	0.1 – 1 lb. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered products containing <i>Bacillus thuringiensis</i> , subsp. <i>tenebrionis</i> or other <i>Bacillus thuringiensis</i> products used to control coleopterans
Citrus (Group 10) - Including: Calamondin, Citrus citron, citrus hybrids (including chironja, tangelo, and tangor), Grapefruit, Kumquat, Lemon, Lime, Mandarin (tangerine), Pummelo, Orange, Satsuma mandarin, White sapote	Any lepidopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Citrus Cutworm Fruitleaf Roller Orangedog	0.2 – 1.5 lbs. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered <i>Bacillus thuringiensis</i> , subsp. <i>kurstaki</i> or <i>Bacillus thuringiensis</i> , subsp. <i>aizawi</i> or other <i>Bacillus thuringiensis</i> products used to control lepidopterans
	Any coleopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Citrus Root weevil (larval complex)	0.1 – 1 lb. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered products containing <i>Bacillus thuringiensis</i> , subsp. <i>tenebrionis</i> or other <i>Bacillus thuringiensis</i> products used to control coleopterans
Climbing vines (Group 13) - Including: Grapes, Gooseberry, Kiwifruit, Maypop, Schisandra berry,	Any lepidopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Achema Sphinx Moth (hornworm) Armyworm Cherry Fruitworm Cranberry Fruitworm Cutworm Grape Leafroller Grapeberry moth Grapeleaf Skeletonizer Gypsy Moth Looper Melonworm Obliquebanded Leafroller Omnivorous Leafroller Orange Tortix Saltmarsh Caterpillar Tobacco budworm	0.2 – 1.5 lbs. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered <i>Bacillus thuringiensis</i> , subsp. <i>kurstaki</i> or <i>Bacillus thuringiensis</i> , subsp. <i>aizawi</i> or other <i>Bacillus thuringiensis</i> products used to control lepidopterans
	Any coleopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Grape cane girdler	0.1 – 1 lb. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered products containing <i>Bacillus</i>

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	Mealybug-including Grape, Obscure, Vine Rose Chafer Japanese Beetle	<i>thuringiensis</i> , subsp. <i>tenebrionis</i> or other <i>Bacillus thuringiensis</i> products used to control coleopterans
Low growing berries (Group 13) - Including: Bearberry, Bilberry, Lowbush Blueberry, Cloudberry, Cranberry, Lignonberry, Muntries, Partridgeberry	Any lepidopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Achema Sphinx Moth (hornworm) Armyworm Cherry Fruitworm Cranberry Fruitworm Cutworm Grape Leafroller Grapeberry moth Grapeleaf Skeletonizer Gypsy Moth Looper Melonworm Obliquebanded Leafroller Omnivorous Leafroller Orange Tortix Saltmarsh Caterpillar Tobacco budworm	0.2 – 1.5 lbs. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered <i>Bacillus thuringiensis</i> , subsp. <i>kurstaki</i> or <i>Bacillus</i> <i>thuringiensis</i> , subsp. <i>aizawi</i> or other <i>Bacillus thuringiensis</i> products used to control lepidopterans
	Any coleopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Cranberry Tipworm Fireworm Flea beetle Sap Beetle White grub -including European, Chafer larvae, May/June beetle larvae, Japanese beetle larvae, Oriental beetle larvae	0.1 – 1 lb. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered products containing <i>Bacillus</i> <i>thuringiensis</i> , subsp. <i>tenebrionis</i> or other <i>Bacillus thuringiensis</i> products used to control coleopterans
Pineapple	Any lepidopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Gummosos-Batrachedra Comosae (Hodges) Thecla-Thecala Basilides (Geyr)	0.2 – 1.5 lbs. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered <i>Bacillus thuringiensis</i> , subsp. <i>kurstaki</i> or <i>Bacillus</i> <i>thuringiensis</i> , subsp. <i>aizawi</i> or other <i>Bacillus thuringiensis</i> products used to control lepidopterans
Pome fruit (Group 10-11) - Including: Apple, Azarole, Crabapple, Loquat, Mayhaw, Hook, Medlar, Pear, Quince, Tejocote	Any lepidopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Armyworm Cankerworm Codling Moth Cutworm Filbert Leafroller Fruittree Leafroller	0.2 – 1.5 lbs. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered <i>Bacillus thuringiensis</i> , subsp. <i>kurstaki</i> or <i>Bacillus</i> <i>thuringiensis</i> , subsp. <i>aizawi</i> or other <i>Bacillus thuringiensis</i> products used to control lepidopterans

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	Gypsy Moth Obliquebanded Leafroller Oriental Fruit Moth Redbanded Leafroller Tufted Apple Budmoth Twig Borer Variegated Leafroller Walnut Caterpillar	
	Any coleopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Mealybug Japanese Beetle Plum Curculio	0.1 – 1 lb. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered products containing <i>Bacillus thuringiensis</i> , subsp. <i>tenebrionis</i> or other <i>Bacillus thuringiensis</i> products used to control coleopterans
Pomegranate	Any lepidopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Armyworm Cankerworm Codling Moth Cutworm Filbert Leafroller Fruittree Leafroller Gypsy Moth Obliquebanded Leafroller Oriental Fruit Moth Redbanded Leafroller Tufted Apple Budmoth Twig Borer Variegated Leafroller Walnut Caterpillar	0.2 – 1.5 lbs. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered <i>Bacillus thuringiensis</i> , subsp. <i>kurstaki</i> or <i>Bacillus thuringiensis</i> , subsp. <i>aizawi</i> or other <i>Bacillus thuringiensis</i> products used to control lepidopterans
Poplar/Cottonwood	Any coleopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Cottonwood leaf beetle	0.1 – 1 lb. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered products containing <i>Bacillus thuringiensis</i> , subsp. <i>tenebrionis</i> or other <i>Bacillus thuringiensis</i> products used to control coleopterans
Stone Fruit (Group 12) - Including: Apricot, Cherry, Nectarine, Peach, Plum, Plumcot, Prune	Any lepidopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Redhumped Caterpillar Tent caterpillar Omnivorous Leafroller Fall webworm	0.2 – 1.5 lbs. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered <i>Bacillus thuringiensis</i> , subsp. <i>kurstaki</i> or <i>Bacillus thuringiensis</i> , subsp. <i>aizawi</i> or other <i>Bacillus thuringiensis</i> products used to control lepidopterans

	Any coleopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Plum Curculio Japanese Beetle Rose Chafer	0.1 – 1 lb. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered products containing <i>Bacillus thuringiensis</i> , subsp. <i>tenebrionis</i> or other <i>Bacillus thuringiensis</i> products used to control coleopterans
Tree nuts (Group 14) - Including: Almond, Beech nut, Brazil nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert (hazelnut), Hickory nut, Macadamia Nut, Pecan, Pistachio, Walnut	Any lepidopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Armyworm Cankerworm Codling Moth Cutworm Filbert Leafroller Gypsy Moth Obliquebanded Leafroller Oriental Fruit moth Redbanded Leafroller Tufted Apple Budworm Twig borer Variegated Leafroller Walnut Caterpillar	0.2 – 1.5 lbs. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered <i>Bacillus thuringiensis</i> , subsp. <i>kurstaki</i> or <i>Bacillus thuringiensis</i> , subsp. <i>aizawi</i> or other <i>Bacillus thuringiensis</i> products used to control lepidopterans
	Any coleopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Pecan Weevil Gill's Mealybug	0.1 – 1 lb. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered products containing <i>Bacillus thuringiensis</i> subsp. <i>tenebrionis</i> or other <i>Bacillus thuringiensis</i> products used to control coleopterans
Tropical Fruit	Any lepidopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Hornworm Leafroller Looper Omnivorous Looper	0.2 – 1.5 lbs. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered <i>Bacillus thuringiensis</i> , subsp. <i>kurstaki</i> or <i>Bacillus thuringiensis</i> , subsp. <i>aizawi</i> or other <i>Bacillus thuringiensis</i> products used to control lepidopterans

## VI. Commercial Flowers and Ornamental Plants

Crop	Insect Pest	Application Rate
Bedding Plants Flowers: greenhouse and field Greenhouse ornamentals Greenhouse vegetables Container stock	Any lepidopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Armyworm Azalea caterpillar Azalea moth Beet armyworm Diamondback moth	0.2 – 1.5 lbs. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered <i>Bacillus thuringiensis</i> , subsp. <i>kurstaki</i> or <i>Bacillus thuringiensis</i> , subsp. <i>aizawi</i> or other <i>Bacillus thuringiensis</i>

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	Ello moth (hornworm) European grapevine moth Florida fern caterpillar Io moth Loopers Oleander moth Omnivorous leafroller Omnivorous looper Tobacco budworm	products used to control lepidopterans
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## VII. Forest, Shade Tree and Nursery Stock

Crop	Insect Pest	Application Rate
Deciduous Forest Shade Trees Nursery Trees Ornamental Trees Confers-including Christmas trees	Armyworm Any lepidopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Bagworm Blackheaded budworm Browntail moth California oakworm Cottonwood leaf beetle Douglas fir tussock moth Elm spanworm Fall webworm Fruittree leafroller Greenstriped mapleworm Gypsy moth Heliothis Hemlock looper Jack pine budworm Loopers Mimosa webworm Pine butterfly Pine tip moths Redhumped caterpillar Saddleback caterpillar Saddle prominent caterpillar Spring and fall cankerworm Spruce budworm Tent caterpillar Tortix Tussock moth Viburnum beetle Western tussock moth	0.2 – 1.5 lbs. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered <i>Bacillus thuringiensis</i> , subsp. <i>kurstaki</i> or <i>Bacillus thuringiensis</i> , subsp. <i>aizawi</i> or other <i>Bacillus thuringiensis</i> products used to control lepidopterans

## VIII. Turf

Crop	Insect Pest	Application Rate
Turf - including turf grown for seed or sod	Any lepidopteran insect pest on the <i>Bacillus thuringiensis</i> tank mix partner label including: Armyworm	0.2 – 1.5 lbs. VST-006330 EP/acre when tank mixed with labeled rates of EPA-registered <i>Bacillus</i>

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	Cutworms Sod webworm Tropical sod webworm	<i>thuringiensis</i> , subsp. <i>kurstaki</i> or <i>Bacillus</i> <i>thuringiensis</i> , subsp. <i>aizawi</i> or other <i>Bacillus</i> <i>thuringiensis</i> products used to control lepidopterans
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## STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store in original container at less than 40°F for up to 6 months after date of manufacture.

**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:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. 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.

## TERMS AND CONDITIONS OF USE

If the terms of the following WARRANTY DISCLAIMER, INHERENT RISKS OF USE, ~~and~~ LIMITATION OF REMEDIES ~~and~~ MANDATORY ARBITRATION OF DISPUTES are not acceptable, return the unopened package at once to Vestaron Corporation. Otherwise, use of the product will constitute acceptance of the terms under WARRANTY DISCLAIMER, INHERENT RISKS OF USE, ~~and~~ LIMITATION OF REMEDIES ~~and~~ MANDATORY ARBITRATION OF DISPUTES.

### WARRANTY DISCLAIMER

TO THE EXTENT PERMITTED BY APPLICABLE LAW, VESTARON CORPORATION MAKES NO WARRANTY, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE CONCERNING USE OF THE PRODUCT.

### INHERENT RISKS OF USE

It is impossible to eliminate all risks associated with use of the product. Crop injury, lack of performance, or other unintended consequences may result because of such factors as use, storage or handling of the product not in strict accordance with the accompanying label instructions, abnormal conditions, presence of other materials, or other factors, all of which are beyond the control of Vestaron Corporation. All such risks shall be assumed by the user.

### LIMITATION OF REMEDIES

To the extent permitted by law, the exclusive remedy for losses or damages resulting from the product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to replacement of the amount of product used.

To the extent permitted by law, Vestaron Corporation disclaims any liability for incidental, consequential, exemplary, special or indirect damages resulting from the use, storage or handling of the product.

~~The terms of the WARRANTY DISCLAIMER, INHERENT RISKS OF USE, and LIMITATION OF REMEDIES [cannot be varied by any written or verbal statements or agreements. No employee or other agent of Vestaron Corporation is authorized to vary or exceed the terms of the WARRANTY DISCLAIMER, INHERENT RISKS OF USE, and LIMITATION OF REMEDIES in any manner/may be varied only by agreement in writing signed by a duly authorized representative of Vestaron Corporation].~~

### MANDATORY ARBITRATION OF DISPUTES

~~To the extent permitted by law, any controversy or claim arising out of or relating to the product (including claims based on contract, negligence, strict liability or other legal theories) shall be settled by arbitration administered by the American Arbitration Association in accordance with its Commercial Arbitration Rules, and judgment on the award rendered by the arbitrator may be entered in any court having jurisdiction thereof.~~

To the extent permitted by law, the terms of the WARRANTY DISCLAIMER, INHERENT RISKS OF USE, LIMITATION OF REMEDIES and MANDATORY ARBITRATION OF DISPUTES cannot be varied by any written or verbal statements or agreements. No employee or other agent of Vestaron Corporation is authorized to vary or exceed the terms of the WARRANTY DISCLAIMER, INHERENT RISKS OF USE, LIMITATION OF REMEDIES and MANDATORY ARBITRATION OF DISPUTES in any manner/may be varied only by agreement in writing signed by a duly authorized representative of Vestaron Corporation.



## Sublabel C: Home & Garden Uses

# VST-006330 EP

### Biological Insecticide

**Active Ingredient:** GS-omega/kappa-Hxtx-Hv1a ..... 20.00%

**Other Ingredients:** ..... 80.00%

**Total:** ..... 100.00%

### 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>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15 – 20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>HOT LINE NUMBER</b>	
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.:** 88847-2

**Net Contents:** XX

**(Batch)(Lot) No:** XXXX

**EPA Est. No.:** XXXXX-XX-XXX

**Manufactured by:** Vestaron Corporation  
4717 Campus Drive, Ste. 1200  
Kalamazoo, MI 49008

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## PRECAUTIONARY STATEMENTS

**Hazards to humans and domestic animals - CAUTION.** Causes moderate eye and skin irritation. Avoid contact with eyes, skin or clothing. Wear goggles or safety glasses, long sleeved shirt and long pants, gloves and shoes plus socks. 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.

**Environmental Hazards:** To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid runoff to water bodies or drainage systems.

## DIRECTIONS FOR USE

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

## HOW IT WORKS

VST-006330 EP is a highly selective insecticide for use against thrips, caterpillar and beetle. Close scouting and early attention to infestations is highly recommended. Proper timing of application targeting newly hatched larvae is important for optimal results.

## HOW TO APPLY

Do not apply more than 10 lbs. of VST-006339 EP per acre per year.

Mix VST-006330 EP with water and apply as a foliar spray with hand-held equipment. Thorough coverage of foliage is necessary. VST-006330 EP does not have systemic activity.

- Add 2 teaspoon – 4 tablespoons (0.3-2 ounces) of VST-006330 EP for each 1 gallon of water in a tank sprayer. Agitate prior to use.
- Use a coarse spray pattern to reduce drift to desirable plants.
- Spray to thoroughly wet foliage.

## WHERE TO APPLY

### Apply to the following types home and garden plants:

Garden plants (including):

Asparagus, beets, broccoli, Brussels sprouts, cabbage, cantaloupe, carrots, cauliflower, celery, collards, cucumbers, edible-podded legume vegetables including: snap bean, wax bean, yard long bean, jack bean, edible-pod pea, snow pea, sugar snap pea; dried shelled beans and peas including: field bean, kidney bean, lima bean (dry), navy bean, pinto bean, adzuki bean, black-eyed pea, cowpea, mung bean, southern pea, lentil (dry); eggplant, herbs, kale, lettuce, melons, mustard greens, pepper, parsnip, potato, radish, rutabaga, salsify, spinach, squash (winter and summer), sweet potato, tomatoes, turnip greens, turnips, watercress, and watermelon.

Ornamentals-including annuals and perennials

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**For the following caterpillar pests:**

Armyworm  
Cabbage looper  
Cabbageworm

Diamondback Moth  
Imported Cabbage Worm  
Looper

Melonworm  
Soybean Looper

**For the following beetle pests:**

Carrot weevil  
Colorado potato beetle  
Japanese beetle  
Melonworm

Pepper Weevil  
Pickleworm  
Potato Flea Beetle  
Spotted cucumber beetle

Western Stripped Cucumber  
beetle  
White grub\*

\*White grub includes European, Chafer larvae, May/June beetle larvae, Japanese beetle larvae, Oriental beetle larvae.

**STORAGE AND DISPOSAL**

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

**Pesticide Storage:** Store in original container at less than 40° F for up to 6 months after date of manufacture.

**Pesticide Disposal and Container Handling: If empty:** Nonrefillable container. Do not reuse or refill this container. Place in trash and offer for recycling if available. **If partially filled:** Call your local solid waste agency or (800) 858-7378 (National Pesticide Information Center) for disposal instructions. Never place unused product down any indoor or outdoor drain.

**TERMS AND CONDITIONS OF USE**

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**INHERENT RISKS OF USE**

It is impossible to eliminate all risks associated with use of the product. Crop injury, lack of performance, or other unintended consequences may result because of such factors as use, storage or handling of the product not in strict accordance with the accompanying label instructions, abnormal conditions, presence of other materials, or other factors, all of which are beyond the control of Vestaron Corporation. All such risks shall be assumed by the user.

**LIMITATION OF REMEDIES**

To the extent permitted by law, the exclusive remedy for losses or damages resulting from the product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to replacement of the amount of product used.

To the extent permitted by law, Vestaron Corporation disclaims any liability for incidental, consequential, exemplary, special or indirect damages resulting from the use, storage or handling of the product.

~~The terms of the WARRANTY DISCLAIMER, INHERENT RISKS OF USE, and LIMITATION OF REMEDIES [cannot be varied by any written or verbal statements or agreements. No employee or other agent of Vestaron Corporation is authorized to vary or exceed the terms of the WARRANTY DISCLAIMER, INHERENT RISKS OF USE, and LIMITATION OF REMEDIES in any manner/may be~~

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NOTIFICATION to add alternate brand names, add optional labeling claims and update the warranty statement

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~~varied only by agreement in writing signed by a duly authorized representative of Vestaron Corporation].~~

**MANDATORY ARBITRATION OF DISPUTES**

To the extent permitted by law, any controversy or claim arising out of or relating to the product (including claims based on contract, negligence, strict liability or other legal theories) shall be settled by arbitration administered by the American Arbitration Association in accordance with its Commercial Arbitration Rules, and judgment on the award rendered by the arbitrator may be entered in any court having jurisdiction thereof.

**To the extent permitted by law, the terms of the WARRANTY DISCLAIMER, INHERENT RISKS OF USE, LIMITATION OF REMEDIES and MANDATORY ARBITRATION OF DISPUTES cannot be varied by any written or verbal statements or agreements. No employee or other agent of Vestaron Corporation is authorized to vary or exceed the terms of the WARRANTY DISCLAIMER, INHERENT RISKS OF USE, LIMITATION OF REMEDIES and MANDATORY ARBITRATION OF DISPUTES in any manner/may be varied only by agreement in writing signed by a duly authorized representative of Vestaron Corporation.**