

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



OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

MAR 5 2014

Sue-Chi Shen  
Regulatory Project Manager  
Valent, U.S.A. Corp  
2301 Ohio Drive, Suite 137  
Plano, TX 75093

Subject: Amended label adding pollinator protection language  
Product Name: V-10170 16 WSG  
EPA Reg. No. 59639-153  
EPA Decision No. 485035  
Submission dated November 14, 2013

Dear Ms. Shen:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act is acceptable. A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release the product for shipment with the new labeling. See 40 CFR 156.10(a)(6).

Under 40 CFR 152.130(d), EPA may establish dates by which all product distributed or sold by the registrant must bear revised labeling. The following paragraphs set forth the schedule for ensuring that that your product bears revised labeling within a reasonable time period.

- Any product released for shipment after 2/28/14 must bear the new label.

If these conditions are not complied with, EPA will take appropriate action against this registration. If you have any questions please contact Marianne Lewis at 703 308-8043 or [lewis.marianne@epa.gov](mailto:lewis.marianne@epa.gov).

Regards,

A handwritten signature in cursive script that reads "Venus Eagle".

Venus Eagle, Product Manager (01)  
Insecticide-Rodenticide Branch  
Registration Division (7505P)

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**Alternate Brand Name for V-10170 16 WSG Insecticide:**

- BELAY™ 16 WSG
- BELAY™ 16 WSG INSECTICIDE<sup>1</sup>

**V-10170 16 WSG  
INSECTICIDE**

**GROUP 4A INSECTICIDE**

FOR SYSTEMIC CONTROL OF LISTED INSECTS ON ORNAMENTAL PLANTS GROWN IN FIELD NURSERY PLANTINGS, CONTAINER NURSERIES, FOREST NURSERIES, GREENHOUSES, LATH AND SHADE HOUSES, INTERIORSCAPES AND OTHER SITES WHERE PLANTS ARE GROWN FOR ORNAMENTAL, AESTHETIC AND CLIMATE MODIFICATION PURPOSES AND FOR USE ON GRAPES, POTATO AND TOBACCO

<u>INGREDIENTS</u>	<u>By wt</u>
Active Ingredient	
*Clothianidin.....	16.0%
Other Ingredients.....	84.0%
Total.....	100.0%

\*(E)-1-(2-chloro-1,3-thiazol-5-ylmethyl)-3-methyl-2-nitroguanidine.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See back panel for additional precautionary statements.

For Product Information Call: 800-892-0099

VALENT U.S.A CORPORATION P.O. BOX 8025 Walnut Creek, CA 94596-8025

EPA Reg. No. 59639-153

EPA Est. No. \_\_\_\_\_

NET CONTENTS \_\_\_\_\_ OUNCES

**ACCEPTED**

3/5/14

Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended, for the  
pesticide registered under:

EPA. Reg. No: 59639-153

<b>FIRST AID</b>	
<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 swallowed</b>	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</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>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<p align="center"><b>HOTLINE NUMBERS:</b></p> <p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 800-892-0099 for emergency medical treatment information.</p>	

## **PRECAUTIONARY STATEMENTS**

### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION.** Causes moderate eye irritation. Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist or vapor.

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some of the materials that are chemical-resistant to this product are barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride or viton (selection category A). If you want more options, follow the instruction for category A on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Socks
- Shoes, and
- Chemical-resistant gloves.

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

## ENGINEERING CONTROLS

When handlers use closed systems or enclosed cabs 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 break-down.

## USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. 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**

~~This product is toxic to aquatic invertebrates. Do not apply when weather conditions favor drift from treated areas. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not apply where runoff is likely to occur. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.~~

This product is toxic to bees exposed to treatment and for more than 5 days following treatment. Do not apply this product to blooming, pollen-shedding or nectar-producing parts of plants if bees may forage on the plants during this time period, unless the application is made in response to a public health emergency declared by appropriate state or federal authorities.

**In the State of Florida:** The properties of this chemical suggest it may leach into ground water if used in areas where soils are permeable and where the water table is very shallow. Do not apply within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes, natural ponds, estuaries or commercial fish farm ponds.

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## PROTECTION OF POLLINATORS



**APPLICATION RESTRICTIONS EXIST FOR THIS PRODUCT BECAUSE OF RISK TO BEES AND OTHER INSECT POLLINATORS. FOLLOW APPLICATION RESTRICTIONS FOUND IN THE DIRECTIONS FOR USE TO PROTECT POLLINATORS**



Look for the bee hazard icon in the Directions for Use for each application site for specific use restrictions and instructions to protect bees and other insect pollinators.

### **This product can kill bees and other insect pollinators.**

Bees and other insect pollinators will forage on plants when they flower, shed pollen or produce nectar.

Bees and other insect pollinators can be exposed to this pesticide from:

- Direct contact during foliar applications, or contact with residues on plant surfaces after foliar applications.
- Ingestion of residues in nectar and pollen when the pesticide is applied as a seed treatment, soil, tree injection, as well as foliar applications.

When Using This Product Take Steps To:

- Minimize exposure of this product to bees and other insect pollinators when they are foraging on pollinator attractive plants around the application site.
- Minimize drift of this product on to beehives or to off-site pollinator attractive habitat. Drift of this product onto beehives or off-site to pollinator attractive habitat can result in bee kills.

Information on protecting bees and other insect pollinators may be found at the Pesticide Environmental Stewardship website at:

<http://pesticidestewardship.org/pollinatorprotection/Pages/default.aspx>.

Pesticide incidents (for example, bee kills) should immediately be reported to the state/tribal lead agency. For contact information for your state/tribe, go to:

[www.aapco.org/official.html](http://www.aapco.org/official.html). Pesticide incidents should also be reported to the National Pesticide Information Center at: [www.npic.orst.edu](http://www.npic.orst.edu) or directly to EPA at:

**DRIFT MANAGEMENT**

Do not allow this product to drift onto neighboring crops or non-crop areas or use in a manner or at a time other than in accordance with label directions because animal, plant or crop injury, illegal residues or other undesirable results may occur.

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 is responsible for considering all these factors when making decisions. Where states have more stringent regulations, they should be observed.

**DIRECTIONS FOR USE**

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

Carefully read and understand the Directions for Use and restrictions before applying this product.

Do not apply this product in any way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

## BEE HAZARD

See individual crops for specific pollinator protection application restrictions. If none exist under the specific crop, for foliar applications, follow these application directions for crops that are contracted to have pollinator services or for food/feed and commercially grown ornamentals that are attractive to pollinators:

**FOR FOOD CROPS AND COMMERCIALY GROWN ORNAMENTALS NOT UNDER CONTRACT FOR POLLINATION SERVICES BUT ARE ATTRACTIVE TO POLLINATORS.**



- This product is toxic to bees exposed to treatment for more than 5 days following treatment.
- Do not apply this product to blooming, pollen-shedding or nectar-producing parts of plants if bees may forage on the plants during this time period.

Follow these additional application restrictions for foliar applications.



### NON-AGRICULTURAL USES/USE SITES:

- Do not apply V-10170 16 WSG Insecticide while bees are foraging.
- Do not apply V-10170 16 WSG Insecticide to plants that are flowering.
- Only apply after all flower petals have fallen off.



### 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 on this label about personal protective equipment (PPE), notification to workers 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 entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry into 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, socks, shoes, chemical-resistant gloves made of any waterproof material.

### NON- AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep children and pets off treated area until the spray has dried.

### USE INFORMATION

V-10170 16 WSG Insecticide is a systemic insecticide for broad spectrum control of insect pests infesting ornamentals, grapes, potato and tobacco. When applied as directed, V-10170 16 WSG provides excellent and long residual control of insects listed on this label.

### Restrictions

- Do not use on ferns grown for cut foliage.
- Do not apply by air.

## RESISTANCE MANAGEMENT

Certain insects have demonstrated a tendency to develop resistance to insect control products. For these insects, avoid treating consecutive generations with the same product or products from the same class (Group 4A Insecticides). V-10170 16 WSG is a member of the neonicotinoid insecticides and should be rotated with products that belong to different classes. Always consult with your local agricultural specialist for guidance and information on area resistance management programs. In the absence of a locally coordinated program, the following IPM strategy will help to ensure the prolonged usefulness of V-10170 16 WSG and conventional insecticides. In order to reduce selection pressure, which can lead to the development of resistance, the following strategies are recommended.

1. Incorporate IPM principles into your insect control program.
2. Ensure thorough spray coverage of all foliage.
3. Always apply V-10170 16 WSG at the recommended rates (don't use less than labeled rates of any insect control product when applied alone or in tank mixtures) and apply at the proper timing according to label recommendations.
4. Use V-10170 16 WSG in alternation with other insecticides having different modes of action.

## PLANT TOLERANCE

Neither the manufacturer nor the seller has determined whether or not V-10170 16 WSG can be used safely on all ornamentals. See the list of ornamental species, varieties and cultivars that V-10170 16 WSG has been tested on. Since your growing conditions may be different, it is highly recommended that a small number of plants under your conditions be sprayed to make certain that no phytotoxicity occurs, prior to any large scale application to plants under commercial production. The end user assumes all risks arising from application of V-10170 16 WSG in a manner inconsistent with its labeling. DO NOT USE ON FERNS GROWN FOR CUT FOLIAGE.

## COMPATIBILITY OF MIXTURES

To obtain broad-spectrum pest control, V-10170 16 WSG can be tank-mixed with other pesticides. However, all plant species and their varieties and cultivars have not been tested with possible tank mix combinations, sequential pesticide treatments and adjuvants and surfactants. The user should conduct a spray mix compatibility and phytotoxicity trial under local conditions to ensure compatibility prior to any large-scale use.

## PREPARATION OF SPRAY SOLUTION

Begin with clean equipment. Add sufficient clean water to the spray tank for one-half of the mix load. Start tank agitation. Add and properly suspend the necessary amount of V-10170 16 WSG before adding any other products. Agitate to ensure thorough mixing while adding the rest of the water. A high quality wetting agent or other spray adjuvant, approved for use on your crop, may be added to spray solutions according to the manufacturer's use instructions. V-10170 16 WSG should be properly suspended and

diluted prior to the addition of any adjuvant. Consult the adjuvant label or manufacturer for crop tolerance and safety information when used with this product. Maintain agitation during mixing and application. ~~DO NOT~~ allow the spray mixture to stand without agitation. Apply with properly calibrated spray equipment. If agitation is stopped for any reason, the spray solution must be thoroughly re-mixed prior to any further use.

#### **APPLICATION THROUGH IRRIGATION SYSTEMS**

V-10170 16 WSG can be applied through irrigation systems at rates recommended on the label. Meter the product into the irrigation water during the first part of the irrigation cycle. Prepare a solution of V-10170 16 WSG in water using the appropriate dilution for the injection system. The product may be diluted before injection to obtain the appropriate concentration for the injection system. Make sure the injection solution is properly mixed during the injection process.

Apply V-10170 16 WSG only through micro irrigation (individual spaghetti tubes), drip irrigation, overhead irrigation, ebb and flood, or hand-held or motorized calibrated irrigation equipment.

Do not apply this product through any other type of irrigation system. Crop injury or lack of effectiveness can result from non-uniform distribution of treated water.

If you have any questions about calibration, contact your State Extension Service specialist, equipment manufacturers or other experts in this area.

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 a person who is under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

**SAFETY DEVICES FOR IRRIGATION SYSTEMS CONNECTED TO PUBLIC WATER SUPPLIES:**

If the source of water for your irrigation system is a public water supply, follow the instructions below:

1. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
2. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or over-flow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
4. 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.
5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. 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.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.

**SAFETY DEVICES FOR IRRIGATION SYSTEMS NOT CONNECTED TO A PUBLIC WATER SUPPLY:**

1. 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.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

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## **APPLICATION TO ORNAMENTALS**

V-10170 16 WSG can be used for systemic insect control in ornamentals grown in:

- Field nursery plantings
- Container nurseries
- Forest nurseries
- Greenhouses
- Lath and shade houses
- Interiorscapes
- Other sites where plants for ornamental purposes are grown for aesthetic or climate modification uses.

V-10170 16 WSG can be applied as a foliar, drench, surface application or through an irrigation system.

V-10170 16 WSG can be used to control listed insects on the following plants: annuals, evergreens, flowering plants, foliage plants, ground covers, non-bearing fruits and nuts, perennials, shrubs and trees.

## **FOLIAR APPLICATIONS**

V-10170 16 WSG should be applied when threshold populations are observed. Do not wait until large insect populations are established. Apply V-10170 16 WSG in sufficient water to ensure uniform and thorough coverage of foliage. Thorough coverage is required for optimum control. To achieve adequate coverage, use proper spray pressures, nozzles, nozzle spacing, and water volume per acre. Use the lower rates within the rate range for light infestations and/or smaller plants and the higher rates for heavy infestations and/or larger plants.

## **FOR CONTROL OF INSECTS AND MITES**

If mites are present or expected when making foliar applications of V-10170 16 WSG for insect control, apply a tank mix of V-10170 16 WSG and SHUTTLE 15 SC at labeled rates. V-10170 16 WSG is also compatible with most other miticides registered for use in ornamentals. When using tank mixtures, always follow the most restrictive label statements.

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**FOLIAR APPLICATION ON:** Annuals, Evergreens, Flowering Plants, Foliage Plants, Ground Covers, Non-bearing Fruits and Nuts, Perennials, Shrubs and Trees



PEST	DOSAGE (oz/100 gallons of water)
Aphids	2 - 4
Azalea Lace Bug	2 - 4
Flea Beetles	2 - 4
Japanese Beetle (adults)	3 - 4
Leaf Hoppers (including Glassy Winged Sharpshooter)	2 - 4
Mealybugs	4
Scales, Soft	3 - 4
Whiteflies	4

**Restriction:** Regardless of the application method do not apply more than 0.4 lb active ingredient clothianidin per acre per year.

#### DRENCH, SURFACE, AND IRRIGATION SYSTEM APPLICATIONS

When applying V-10170 16 WSG as a drench or irrigation system application, use enough solution to wet the growing media in the pots or the root zone of the plants. When applying V-10170 16 WSG as a surface application, water in with enough irrigation to move the insecticide into the root zone of the plants.

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**DRENCH, SURFACE AND IRRIGATION SYSTEM APPLICATION ON: Annuals, Evergreens, Flowering Plants, Foliage Plants, Ground Covers, Non-Bearing Fruits and Nuts, Perennials, Shrubs and Trees**

PEST	DOSAGE (oz/100 gallons of water)*
Aphids	2 - 4
Azalea Lace Bug	2 - 4
Flea Beetles	2 - 4
Fungus Gnats	2 - 4
Japanese Beetles (adults)	3 - 4
Leaf Hoppers (including Glassy Winged Sharpshooter)	2 - 4
Leaf Miners	3 - 4
Mealybugs	4
Root Weevils (including Black Vine Weevil)	3 - 4
Scales, Soft	3 - 4
Whiteflies	4
White Grubs (Japanese Beetle Green June Beetle European Chafer Northern Masked Chafer Southern Masked Chafer Oriental Beetle Asiatic Garden Beetle)	2 - 4

**Restriction:** Regardless of the application method do not apply more than 0.4 lb active ingredient clothianidin per acre per year.

\* Apply sufficient drench or irrigation solution to thoroughly wet the media or root zone of the plants.

Mix the specified amount of product with a sufficient volume of water to evenly disperse the solution into the pots and to thoroughly wet the planting medium, without resulting in overflow or leaching and the loss of product. When watering treated pots, avoid watering to the point of overflowing or leaching.

If desired, less than full drench volumes can be applied to pots provided the solution is watered in with overhead irrigation. To determine the proper concentration, calculate the amount of product needed by determining how much water is needed to wet the pots of the ornamentals to be treated. Then add the desired amount of product to the amount of water to be used and add a proportionate amount of the solution to each pot and then water the solution into the growing media or root zone of the plants.

**Ornamentals that have been evaluated and found to be tolerant of V-10170 16 WSG applied at specified rates and methods of application.\***

African Daisy  
Argvranthemum  
Ageratum  
Aster  
Bacopa  
Begonia  
Calibrachoa  
Chrysanthemum  
Cleyera  
Cleome  
Coleus  
Dahlia  
Daylily  
Diascia  
Easter Lily  
Eunomymus  
Fuschia  
Geranium, Zonal  
Geranium, Ivy  
Gerbera  
Holly  
Impatiens  
Indian Hawthorne  
Ivy

Lantana  
Lobelia  
Mandevilla  
Marigold  
New Guinea Impatiens  
Osteospermum  
Nicotiana  
Pansy  
Petunia  
Poinsettia, pre and post bract formation  
Primula  
Red Bud  
Rose  
Miniature Rose  
Salvia  
Scaevola  
Shasta Daisy  
Snapdragon  
Stock  
Torenia  
Verbena  
Vinca  
Zinnia

\*Since your growing conditions may be different than the conditions under which the ornamentals were tested for phytotoxicity, it is highly recommended that a small number of plants growing under your conditions be sprayed to make certain that no phytotoxicity occurs prior to any large scale application to plants under commercial production. The end user assumes all risks arising from application of V-10170 16 WSG in a manner inconsistent with its labeling.

**RESTRICTIONS**

- Do not use on ferns grown for cut foliage.
- Regardless of the application method do not apply more than 0.4 lb active ingredient clothianidin per acre per year.



# **GRAPE FOLIAR APPLICATION**



Pests	V-10170 16 WSG Insecticide Application Rates	Rates/Instructions
Leafhoppers Grape Leaf Skeletonizers Japanese Beetles Multicolored Asian Lady Beetle	3.3 to 6.7 oz/A (0.033 to 0.067 lb ai/A)	Apply V-10170 16 WSG Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established.  Apply V-10170 16 WSG Insecticide in sufficient water to ensure uniform and thorough coverage of foliage. Thorough coverage is required for optimum control
Sharpshooters	6.7 to 10 oz/A (0.067 to 0.1 lb ai/A)	
Grape Berry Moth Grape Mealybug Vine Mealybug	10 oz/A (0.1 lb ai/A)	

## **RESTRICTIONS**

- Regardless of the application method do not apply more than 0.2 lb active ingredient clothianidin per acre per year.
- Do not apply treatments less than 14 days apart.
- May be applied up to harvest (0 days PHI).

GRAPE SOIL APPLICATION		
Pests	Arena 50 WDG Insecticide Application Rates	Rates/Instructions
Grape Mealybug Grape <i>Phylloxera</i> spp. (suppression) Leafhoppers Sharpshooters Vine Mealybug	10 to 20 oz/A (0.1 to 0.2 lb ai/A)	<p>Apply V-10170 16 WSG Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established. Apply specified rate in sufficient carrier volume to insure uniform application and incorporate into the soil using drip or trickle irrigation water.</p> <p>For Mealybug control, apply between bud break and pea-berry size.</p> <p>Make one soil application at specified dose in sufficient carrier volume to insure uniform application in one of the following methods:</p> <ol style="list-style-type: none"> <li>1. In a narrow band centered on the plant row in the bedding operation just prior to planting.</li> <li>2. In-furrow spray at planting directed on or below seed.</li> <li>3. As a sidedress to both sides of the row.</li> <li>4. Post-seeding drench or transplant water drench.</li> <li>5. Chemigation into root zone through drip, trickle or custom made systems that target the watering of the root zone of the plants.</li> </ol>
<b>RESTRICTIONS</b> <ul style="list-style-type: none"> <li>• Regardless of the application method do not apply more than 0.2 lb active ingredient clothianidin per acre per year.</li> <li>• Do not apply treatments less than 14 days apart.</li> <li>• Do not apply within 30 days of harvest.</li> </ul>		

**POTATO  
IN-FURROW OR SIDE DRESS APPLICATION**

<b>Pests</b>	<b>V-10170 16 WSG Insecticide Application Rates</b>	<b>Rates/Instructions</b>
Aphids Colorado Potato Beetles Exotic White Grub Flea Beetles Leafhoppers Potato Psyllids (suppression) Sweet Potato Weevil Wireworms	10 to 20 oz/A (0.1 to 0.2 lb ai/A)	Timing of Application: At planting or as a side-dress on both sides of the row at ground-crack during hilling.
<b>Diseases Suppressed</b>	<b>V-10170 16 WSG Insecticide Application Rate</b>	1. Apply specified rate in sufficient carrier volume to insure uniform application and incorporate into the soil using one of the following methods: In a narrow band centered on the plant row in the bedding operation just prior to planting.
Symptoms of: Potato Leafroll Virus (PLRV) Purple Top	20 oz/A (0.2 lb ai/A)	2. In-furrow spray at planting. Direct spray in the furrow on the seed pieces or potatoes. 3. As a sidedress to both sides of the row or as a broadcast spray to the soil during hilling. Cover immediately with soil.
<b>RESTRICTIONS</b> <ul style="list-style-type: none"> <li>Regardless of the application method, do not apply more than 0.2 lb active ingredient clothianidin per acre per year.</li> </ul>		

TOBACCO SOIL APPLICATION (In Transplanted Water Application or Tray, or Flat Drench Application)		
Pests	V-10170 16 WSG Insecticide Application Rates	Rates/Instructions
Flea Beetles	5 to 10 oz/A (0.05 to 0.0.1 lb ai/A)	V-10170 16 WSG Insecticide must be mixed with water prior to application. Keep the V-10170 16 WSG Insecticide solution agitated or mix regularly to prevent settling in the spray or transplant tank. Apply V-10170 16 WSG Insecticide at the specified dosage to the soil in transplant water or by drench to trays or flats prior to transplanting. Water the plants in flats or trays by overhead irrigation to wash V-10170 16 WSG Insecticide from foliage into the potting media. Failure to wash V-10170 16 WSG Insecticide from foliage may result in a reduction of control.  Soil applications may sometimes cause yellowing on the leaves present at the time of transplanting. This effect does not have any impact on plant growth and yields.
Aphids Tobacco Budworm (suppression ) Tobacco Hornworm (suppression )	10 oz/A (0.1 lb ai/A)	
<b>RESTRICTIONS</b> <ul style="list-style-type: none"><li>Regardless of the application method do not apply more than 0.2 lb active ingredient clothianidin per acre per year.</li><li>Do not apply within 14 days of harvest.</li></ul>		

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE**

Store in a dry place away from excessive heat.

Do not store near food or feed.

Store in original container only.

To close package, replace and tighten cap to form an airtight seal.

For help with any spill, leak, fire or exposure involving this material, call day or night (800) 892-0099.

**PESTICIDE DISPOSAL**

To avoid waste, use all material in this container by application according to label directions. If waste cannot be avoided, offer remaining product to a waste 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. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available; otherwise dispose of in a sanitary landfill or incineration.

**CONDITIONS OF SALE**

1. Arysta LifeScience North America Corporation ("Arysta") warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use.
2. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Arysta. **ARYSTA DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. TO THE EXTENT PERMITTED BY APPLICABLE LAW, SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM OR IN CONNECTION WITH THE MANUFACTURE, SALE, DELIVERY, USE, HANDLING OR STORAGE OF THIS PRODUCT. TO THE EXTENT PERMITTED BY APPLICABLE LAW, SELLER'S LIABILITY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE. ARYSTA DOES NOT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTY, GUARANTEE OR REPRESENTATION CONCERNING THIS PRODUCT.**
3. Critical and unforeseeable factors beyond Arysta's control prevent Arysta LifeScience from eliminating all risks in connection with the use of this product. Such risks include, but are not limited to, damage to plants and crops to which the product is applied, lack of complete control, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit for the use stated on the label and even though label directions are followed. Except as stated in 1 above, to the extent permitted by applicable law, by purchasing, accepting and using this product, the buyer and user acknowledge and assume all risks and liabilities resulting from handling, storage, and use of this product.