

59639-150

12/29/2009

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

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Sue-Chi Shen
Valent U.S.A. Corporation
1600 Riviera Avenue, Suite 200
Walnut Creek, CA 94596

DEC 29 2009

Dear Ms. Shen:

Subject: Labeling Amendment; Supplemental Label
V-10170 2.13 SC Insecticide
EPA Registration No. 59639-150
Date Submitted: December 8, 2009

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records. Please submit one (1) final printed copy for the above mentioned label before releasing the product for shipment. If you have any questions regarding this label, please contact me at (703) 306-0415 or davis.kable@epa.gov.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Kable Bo Davis", written over a horizontal line.

Kable Bo Davis
Entomologist
Insecticide-Rodenticide Branch
Registration Division (7505P)

Enclosed: Stamped Supplemental Label

Supplemental Label



V-10170 2.13 SC INSECTICIDE

EPA Reg. No. 59639-150

V-10170 2.13 SC INSECTICIDE FOR CONTROL OF SUCKING AND CHEWING INSECTS INFESTING COTTON, CRANBERRY (LOW-GROWING BERRY EXCEPT STRAWBERRY), FIG, GRAPE, POME FRUIT, POMEGRANATE, SOYBEAN, TUBEROUS AND CORM VEGETABLES AND TREE NUTS

This supplemental label expires on May 30, 2011 and must not be used or distributed after this date.

DIRECTIONS FOR USE

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

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS, DIRECTIONS AND RESTRICTIONS AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

THIS LABELING MUST BE IN THE POSSESSION OF THE USER AT THE TIME OF APPLICATION. READ THE LABEL AFFIXED TO THE CONTAINER FOR V-10170 2.13 SC INSECTICIDE BEFORE APPLYING. USE OF V-10170 2.13 SC INSECTICIDE ACCORDING TO THIS LABELING IS SUBJECT TO THE USE PRECAUTIONS AND LIMITATIONS IMPOSED BY THE LABEL AFFIXED TO THE CONTAINER FOR V-10170 2.13 SC INSECTICIDE.

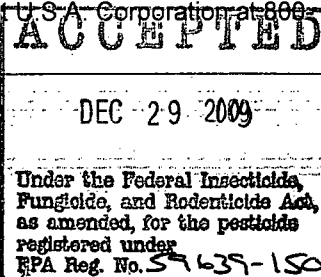
RESISTANCE MANAGEMENT

V-10170 2.13 SC Insecticide contains clothianidin, which is classified in the Group 4A of insecticide classes. Insect biotypes that have developed insensitivity to Group 4A (neonicotinoid) insecticides can eventually dominate the insect population in the same field. That is most likely to happen when Group 4A insecticides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by V-10170 2.13 SC Insecticide or other Group 4A insecticides.

To delay insecticide resistance consider:

- Avoiding the consecutive use of V-10170 2.13 SC Insecticide or other Group 4A insecticides that have a similar target site of action on the same insect species and/or insect species in avertedly exposed to the applications (non-target pests).
- Using tank mixtures or premixes with insecticides from a different class of chemistry, which must be registered products for the same commodity and use pattern, with different sites of action can help to reduce the generation of resistance.
- Do not make foliar applications of neonicotinoid insecticides (Group 4A) after soil applications of V-10170 2.13 SC Insecticide.
- Utilizing a comprehensive Integrated Pest Management (IPM) program while controlling insect pests.
- When possible screen treated insect populations for insensitivity to Group 4A insecticides
- Contacting your local extension specialist, certified crop advisors and/or manufacturer for insecticide resistance management or IPM recommendations for the specific site and resistant pest problems.

For further information or to report suspected resistance, you may contact Valent U.S.A. Corporation at 800-682-5368.



COTTON		
FOLIAR APPLICATION		
Pests	V-10170 2.13 SC Insecticide Application Rates	Special Instructions
Aphids Lygus Stinkbugs Whiteflies (suppression)	3 to 4 fl oz/A (0.05 to 0.067 lb ai/A)	Apply V-10170 2.13 SC Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established. Apply V-10170 2.13 SC Insecticide in sufficient water to ensure uniform and thorough coverage of foliage.
<ul style="list-style-type: none"> Do not apply more than 12 fl oz (0.2 lb ai) of V-10170 2.13 SC Insecticide per acre per season. Do not incorporate an adjuvant with this product. Do not apply treatments less than 7 days apart. Do not apply within 21 days of harvest. 		

CRANBERRY (LOW-GROWING BERRY EXCEPT STRAWBERRY)		
Bearberry, Bilberry, Cloudberry, Cranberry, Lingonberry, Lowbush Blueberry Muntries, Partridgeberry and varieties, and/or cultivars of these		
FOLIAR POST BLOOM APPLICATION		
Pests	V-10170 2.13 SC Insecticide Application Rate	Special Instructions
Cranberry Fruitworm Cranberry Weevil Flea Beetles Sparganothis Fruitworm Tipworm	4 fl oz/A (0.067 lb ai/A)	Apply V-10170 2.13 SC Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established Apply V-10170 2.13 SC Insecticide in sufficient water to ensure uniform and thorough coverage of foliage
<ul style="list-style-type: none"> Do not apply more than 12 fl oz (0.2 lb ai) of V-10170 2.13 SC Insecticide per acre per season. Do not incorporate an adjuvant with this product. Do not apply treatments less than 7 days apart. Do not apply within 21 days of harvest. 		
SOIL POST BLOOM APPLICATION		
Pests	V-10170 2.13 SC Insecticide Application Rates	Special Instructions
Cranberry Weevil Flea Beetles Tipworm	12 fl oz/A (0.2 lb ai/A)	Make one post bloom soil application as indicated below. Irrigate with a minimum of 0.2 inch of water within 2 hours of application (if rainfall occurs within the 2 hours irrigation may not be necessary). Apply specified dose to soil by one of the following methods: 1. As a ground application soil spray directed to the root and crown area. 2. As a chemigation application.
<ul style="list-style-type: none"> Do not apply more than 12 fl oz (0.2 lb ai) of V-10170 2.13 SC Insecticide per acre per season. Do not apply within 21 days of harvest. 		

FIG		
FOLIAR POST BLOOM APPLICATION		
Pests	V-10170 2.13 SC Insecticide Application Rates	Special Instructions
Dried Fruit Beetles Fig Scale	4 to 6 fl oz/A (0.067 to 0.1 lb ai/A)	<p>Apply V-10170 2.13 SC Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established.</p> <p>The amount of V-10170 2.13 SC Insecticide per acre will depend on tree size and pest pressure.</p> <p>Choose lower rate for light infestation and/or small trees and the higher rate for heavy infestations and/or larger trees.</p> <p>Apply by ground 100 to 400 gallons per acre as a full coverage spray. Spray volume will depend on tree size and density of canopy.</p> <p>Repeat applications as needed to maintain control but do not apply more often than every 14 days. A single application may result in suppression only.</p>
<ul style="list-style-type: none"> Do not apply more than 12 fl oz (0.2 lb ai) of V-10170 2.13 SC Insecticide per season. Do not apply treatments less than 14 days apart. Do not apply within 7 days of harvest. Do not feed or allow livestock to graze on cover crops from treated orchards. 		

GRAPE		
FOLIAR APPLICATION		
Pests	V-10170 2.13 SC Insecticide Application Rates	Special Instructions
Leafhoppers Grape Leaf Skeletonizers Japanese Beetles Multicolored Asian Lady Beetle	2 to 4 fl oz/A (0.033 to 0.067 lb ai/A)	Apply V-10170 2.13 SC Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established.
Sharpshooters	4 to 6 fl oz/A (0.067 to 0.1 lb ai/A)	Apply V-10170 2.13 SC Insecticide in sufficient water to ensure uniform and thorough coverage of foliage. Thorough coverage is required for optimum control
Grape Berry Moth Grape Mealybug Vine Mealybug	6 fl oz/A (0.1 lb ai/A)	
<ul style="list-style-type: none">• Do not apply more than 12 fl oz (0.2 lb ai) of V-10170 2.13 SC Insecticide per acre per season.• Do not apply treatments less than 14 days apart.• May be applied up to harvest (0 days PHI).		

continued

GRAPE continued

SOIL APPLICATION		
Pests	V-10170 2.13 SC Insecticide Application Rates	Special Instructions
Grape Mealybug Grape Phylloxera spp. (suppression) Leafhoppers Sharpshooters Vine Mealybug	6 to 12 fl oz/A (0.1 to 0.2 lb ai/A)	<p>Apply V-10170 2.13 SC 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 ensure 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"> 1. In a narrow band centered on the plant row in the bedding operation just prior to planting. 2. In-furrow spray at planting directed on or below seed. 3. As a sidedress to both sides of the row. 4. Post-seeding drench or transplant water drench. 5. Chemigation into root zone through drip, trickle or micro-sprinkler or similar equipment.
<ul style="list-style-type: none"> • Do not apply more than 12 fl oz (0.2 lb ai) of V-10170 2.13 SC Insecticide per acre per season. • Do not apply treatments less than 14 days apart. • Do not apply within 30 days of harvest. 		

POME FRUIT		
Apple, Crabapple, Loquat, Mayhaw, Pear, Oriental pear, Quince		
FOLIAR POST BLOOM APPLICATION		
Pests	V-10170 2.13 SC Insecticide Application Rates	Special Instructions
Aphids Leafhoppers	4 to 6 fl oz/A (0.067 to 0.1 lb ai/A)	Apply V-10170 2.13 SC Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established.
Apple Maggot Leafminers Plum Curculio	6 fl oz/A (0.1 lb ai/A)	The amount of V-10170 2.13 SC Insecticide per acre will depend on tree size and pest pressure. Choose lower rate for light infestation and/or small trees and the higher rate for heavy infestation and/or larger trees.
Codling Moth* Lygus Oblique-banded Leafroller Oriental Fruit Moth Pear Psylla Scales Stinkbugs	6 to 12 fl oz/A (0.1 to 0.2 lb ai/A)	<p>Apply by ground in sufficient volume to obtain thorough coverage. Spray volume will depend on tree size and density of canopy.</p> <p>Applications may also be made as a concentrate spray. Maintain the same amount of product per acre as a dilute application using the appropriate amount of concentrate spray volume. Repeat applications as needed to maintain control but do not apply more often than every 10 days. A single application may result in suppression only.</p> <p>For optimum control of Leafminers and Leafrollers, make the first application as soon as pollination is complete and bees are removed from the orchard.</p> <p>*For Codling Moth (First Generation): For control of first generation codling moth in areas with light pressure and suppression of first generation codling moth in areas of heavy infestation.</p> <p>Suppression only of second or third generation codling moth in any area.</p> <p>Scale: Time applications to the crawler stage, treat each successive generation. Two applications on a 10- to 14-day interval may be required to achieve control.</p>
<ul style="list-style-type: none"> Do not apply more than 12 fl oz (0.2 lb ai) of V-10170 2.13 SC Insecticide per acre per season. Do not apply within 7 days of harvest. Do not feed or allow livestock to graze on cover crops from treated orchards. V-10170 2.13 SC Insecticide must not be applied during bloom or if bees are actively foraging. 		

POMEGRANATE		
FOLIAR POST BLOOM APPLICATION		
Pests	V-10170 2.13 SC Insecticide Application Rates	Special Instructions
Aphids Leafhoppers Mealybug Sharpshooters Whiteflies	4 to 6 fl oz/A (0.067 to 0.1 lb ai/A)	<p>Apply V-10170 2.13 SC Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established.</p> <p>The amount of V-10170 2.13 SC Insecticide per acre will depend on tree size and pest pressure.</p> <p>Choose lower rate for light infestation and/or small trees and the higher rate for heavy infestations and/or larger trees.</p> <p>Apply by ground 100 to 400 gallons per acre as a full coverage spray. Spray volume will depend on tree size and density of canopy.</p> <p>Repeat applications as needed to maintain control but do not apply more often than every 14 days. A single application may result in suppression only.</p>
<ul style="list-style-type: none"> Do not apply more than 12 fl oz (0.2 lb ai) of V-10170 2.13 SC Insecticide per season. Do not apply treatments less than 14 days apart. Do not apply within seven (7) days of harvest. Do not feed or allow livestock to graze on cover crops from treated orchards. 		

SOYBEAN		
FOLIAR APPLICATION		
Pests	V-10170 2.13 SC Insecticide Application Rates	Special Instructions
Aphids Bean Leaf Beetles Japanese Beetles Leafhoppers Lygus Stinkbugs Three Cornered Alfalfa Hopper Whiteflies (suppression)	3 to 4 fl oz/A (0.05 to 0.067 lb ai/A)	<p>Apply V-10170 2.13 SC Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established.</p> <p>Apply V-10170 2.13 SC Insecticide in sufficient water to ensure uniform and thorough coverage of foliage</p>
<ul style="list-style-type: none"> Do not apply foliar treatments less than 7 days apart. Do not apply within 21 days of harvest. Do not make foliar applications of V-10170 2.13 SC Insecticide in fields treated with a neonicotinoid insecticide seed treatment(s) within 45 days after planting. Regardless of formulation or type of application (foliar or seed treatment), do not apply more than 0.2 lb ai of clothianidin per acre per season. Do not graze or feed soybean forage and hay to livestock. 		

TREE NUTS Almond, Beech Nut, Brazil Nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert (Hazelnut), Hickory Nut, Macadamia Nut, Pecan, Walnut (Black and English)		
FOLIAR POST BLOOM APPLICATION		
Pests	V-10170 2.13 SC Insecticide Application Rates	Special Instructions
Aphids Leafhoppers Pecan Nut Casebearer Pecan Weevil Whiteflies (suppression)	3 to 6 fl oz/A (0.05 to 0.1 lb ai/A)	Apply V-10170 2.13 SC Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established.
Hickory Shuckworm Lygus Mealybugs Scales Stinkbugs	6 fl oz/A (0.1 lb ai/A)	Choose lower rate for light infestation and/or small trees and the higher rate for heavy infestation and/or larger trees. Apply V-10170 2.13 SC Insecticide in sufficient water to ensure uniform and thorough coverage of foliage. Spray volume will depend on tree size and density of canopy. Thorough coverage is required for optimum control. To achieve optimum coverage, use proper spray pressures, nozzles, nozzle spacing and water volume per acre. Scales: Time applications to the crawler stage, treat each successive generation. Two applications on a 10- to 14-day interval may be required to achieve control.
<ul style="list-style-type: none"> Do not apply more than 12 fl oz (0.2 lb ai) of V-10170 2.13 SC Insecticide per acre per season. Do not incorporate an adjuvant with this product on almond. Do not apply treatments less than 10 days apart. Do not apply within 21 days of harvest. V-10170 2.13 SC Insecticide must not be applied during bloom or if bees are actively foraging. Do not feed or allow livestock to graze on cover crops from treated orchards. 		

TUBEROUS AND CORM VEGETABLES		
Arrachcha, arrowroot, arthichoke, (including Chinese and Jerusalem), edible canna, cassava (including bitter and sweet), root chayote, chufa, dasheen, ginger, leren, potato, sweet potato, tanier, turmeric, and yam		
FOLIAR APPLICATION		
Pests	V-10170 2.13 SC Insecticide Application Rates	Special Instructions
Aphids Colorado Potato Beetles Flea Beetles Leafhoppers	2 to 3 fl oz/A (0.033 to 0.05 lb ai/A)	Apply V-10170 2.13 SC Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established.
<ul style="list-style-type: none">Do not apply treatments less than 7 days apart.Do not apply within 14 days of harvest.Regardless of formulation or type of application (seed piece, soil or foliar), do not apply more than a total of 0.2 lbs active ingredient clothianidin per acre per season.		
IN-FURROW OR SIDE DRESS APPLICATIONS		
Pests	V-10170 2.13 SC Insecticide Application Rates	Special Instructions
Aphids Colorado Potato Beetles Exotic White Grub Flea Beetles Leafhoppers Potato Psyllids (suppression) Sweet Potato Weevil Wireworms	6 to 12 fl 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. With ground-crack/hilling application make certain product is covered with at least 3 inches of soil. <ol style="list-style-type: none">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.In-furrow spray at planting. Direct spray in the furrow on the seed pieces or potatoes.As a sidedress to both sides of the row or as a spray at ground crack directly over the row during hilling. Cover immediately with soil.
Diseases Suppressed	V-10170 2.13 SC Insecticide Application Rate	
Symptoms of: Potato Leafroll Virus (PLRV)	12 fl oz/A (0.2 lb ai/A)	
<ul style="list-style-type: none">Regardless of formulation or type of application (seed piece, soil or foliar), do not apply more than a total of 0.2 lbs active ingredient clothianidin per acre per season.		

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SEED-PIECE APPLICATION		
Pests	V-10170 2.13 SC Insecticide Rates/100 lbs seed	Special Instructions
Aphids Colorado Potato Beetles Flea Beetles Leafhoppers Potato Leafhoppers Potato Psyllids (suppression only) Wireworms (seed-piece protection only)	0.4 to 0.6 fl oz*	Seed-Piece Application: 1. Apply specified dosage as a diluted, fine spray applied over the cut or whole seed tubers. A dilution rate of 1 part V-10170 2:13 SC Insecticide to 3 parts water, or less, is recommended. 2. Maintain agitation of spray mixture during the application process. 3. Use a spray system that is properly shielded to prevent any spray from moving off target. Liquid-based fungicides can be applied with V-10170 2.13 SC Insecticide; however check compatibility before use. If using inert dusts or dust-based fungicides, apply V-10170 2.13 SC Insecticide first, followed by dust application. Apply only in areas with adequate ventilation to accommodate dry-down and in areas equipped to remove mist or dust. Plant treated seed-pieces as soon as possible after treating. *Based on seeding rate of 2,000 lbs/acre, seed-piece application rate range equals in-furrow/side-dress per acre application rate range.
Diseases Suppressed	V-10170 2.13 SC Insecticide Rates/100 lbs seed	
Symptoms of: Potato Leaf Roll virus (PLRV) Potato Yellows Net Necrosis	0.6 fl oz	
<ul style="list-style-type: none">Do not use treated seed-pieces for food, feed or fodder.Do not apply any subsequent application of V-10170 2.13 SC Insecticide (in-furrow, side-dress) following a V-10170 2.13 SC Insecticide seed-piece treatment.Regardless of formulation or type of application (seed piece, soil or foliar), do not apply more than a total of 0.2 lbs active ingredient clothianidin per acre per season.		

PLEASE CONTACT VALENT U.S.A. CORPORATION AT 800-6-VALENT (682-5368) TO DETERMINE IF THIS USE IS REGISTERED IN YOUR STATE.

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Manufactured for
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Walnut Creek, CA 94596-8025

Made in U.S.A.

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