



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 Ave., Suite 200
Walnut Creek, CA 94596

JUL 20 2010

Dear Ms. Shen:

Subject: Labeling Amendment; Revised Directions for Use
V-10170 5 FS Insecticide
EPA Registration No. 59639-151
Date Submitted: June 8, 2010

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following provision:

1. Within the **USE INFORMATION** section of the label (page 8), revise "*Accurate application of V-10170 5 FS Insecticide to seed is required for best performance.*" to read "*Accurate application of V-10170 5 FS Insecticide to seed is required for control of pests.*"

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 Kable Bo Davis at (703) 306-0415 or davis.kable@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Kable Bo Davis" with a large flourish at the end.

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

Enclosure- stamped label



GROUP 4A INSECTICIDE

V-10170 5 FS INSECTICIDE

AN INSECTICIDE SEED TREATMENT PRODUCT PROVIDING SYSTEMIC SEED AND SEEDLING PROTECTION AGAINST LISTED EARLY SEASON INSECTS

Active Ingredient	By Wt.
*Clothianidin	47.8%
Other Ingredients	52.2%
Total	100.0%

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

V-10170 5 FS Insecticide contains 5 lbs clothianidin per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE NEXT PAGE FOR PRECAUTIONARY STATEMENTS

**ACCEPTED
with COMMENTS
In EPA Letter Dated:
JUL 20 2010**

NET CONTENTS _____

EPA Reg. No. 59639-151
EPA Est. No.

*Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
59639-151*

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS
CAUTION

Harmful if swallowed.

FIRST AID	
If swallowed:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have a person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything to an unconscious person.
NOTE TO PHYSICIAN	
Treatment is supportive and symptomatic.	
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 800-892-0099 for emergency medical treatment information.	

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some of the materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear: Long-sleeved shirt and long pants, shoes plus socks and chemical-resistant gloves made of any waterproof material such as Natural Rubber ≥ 14 mils.

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

USER SAFETY RECOMMENDATIONS
<p>Users should:</p> <ul style="list-style-type: none"> • Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. • 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

This product is toxic to aquatic invertebrates. Contain product spillage and equipment leaks, disposing of wastes according to disposal instructions provided in this label. Do not contaminate water when disposing of equipment washwater or rinsate. Cover or incorporate spilled treated seed.

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 AND DIRECTIONS AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

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

**DISCLAIMER, RISKS OF USING THIS PRODUCT,
LIMITED WARRANTY
AND LIMITATION OF LIABILITY**

IMPORTANT: Read the entire Label including this Disclaimer, Risks of Using this Product, Limited Warranty, and Limitation of Liability before using this product. If the terms are not acceptable THEN DO NOT USE THE PRODUCT; rather, return the unopened product within 15 days of purchase for a refund of the purchase price.

RISKS OF USING THIS PRODUCT

The Buyer and User (referred to collectively herein as "Buyer") of this product should be aware that there are inherent unintended risks associated with the use of this product which are impossible to eliminate. These risks include, but are not limited to, injury to plants and crops to which this product is applied, lack of control of the target pests or weeds, resistance of the target pest or weeds to this product, injury caused by drift, and injury to rotational crops caused by carryover in the soil. Such risks of crop injury, non-performance, resistance or other unintended consequences are unavoidable and may result because of such factors as weather, soil conditions, disease, moisture conditions, irrigation practices, condition of the crop at the time of application, presence of other materials either applied in the tank mix with this product or prior to application of this product, cultural practices or the manner of use or application, (or a combination of such factors) all of which are factors beyond the control of Valent. The Buyer should be aware that these inherent unintended risks may reduce the harvested yield of the crop in all or a portion of the treated acreage, or otherwise affect the crop such that additional care, treatment and expense are required to take the crop to harvest. If the Buyer chooses not to accept these risks, THEN THIS PRODUCT SHOULD NOT BE APPLIED. By applying this product Buyer acknowledges and accepts these inherent unintended risks AND TO THE FULLEST EXTENT ALLOWED BY LAW, AGREES THAT ALL SUCH RISKS ASSOCIATED WITH THE APPLICATION AND USE ARE ASSUMED BY THE BUYER.

Valent shall not be responsible for losses or damages (including, but not limited to, loss of yield, increased expenses of farming the crop or such incidental, consequential or special damages that may be claimed) resulting from use of this product in any manner not set forth on the label. Buyer assumes all risks associated with the use of this product in any manner or under conditions not specifically directed or approved on the label.

LIMITED WARRANTY

Valent warrants only that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the label, under average use conditions, when used strictly in accordance with the label and subject to the Risks of Using This Product as described above. To the extent consistent with applicable law AND AS SET FORTH ABOVE, VALENT MAKES NO OTHER WARRANTIES, EITHER EXPRESSED OR IMPLIED. No agent or representative of Valent or Seller is authorized to make or create any other express or implied warranty.

LIMITATION OF LIABILITY

To the fullest extent allowed by law, Valent or Seller is not liable for any incidental, consequential, indirect or special damages resulting from the use or handling of this product. The limitation includes, but is not limited to, loss of yield on all or any portion of the treated acreage, increased care, treatment or other expenses required to take the crop to harvest, increased finance charges or altered finance ratings, emotional or mental distress and/or exemplary damages. TO THE FULLEST EXTENT ALLOWED BY LAW, THE EXCLUSIVE REMEDY OF THE BUYER, AND THE EXCLUSIVE MAXIMUM LIABILITY OF VALENT OR SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT OR, AT THE ELECTION OF VALENT OR SELLER, THE REPLACEMENT OF THE PRODUCT.

PROMPT NOTICE OF CLAIM

To the extent consistent with applicable law allowing such requirements Valent must be provided notice as soon as Buyer has reason to believe it may have a claim, but in no event later than twenty-one days from date of planting, or twenty-one days from the date of application, whichever is latter, so that an immediate inspection of the affected property and growing crops can be made.

To the extent consistent with applicable law if Buyer does not notify Valent of any claims, in such period, it shall be barred from obtaining any remedy.

NO AMENDMENTS

Valent and Seller offer this product, and Buyer accepts it, subject to the foregoing Disclaimer, Risks of Using This Product, Limited Warranty and Limitation of Liability, which may not be modified by any oral or written agreement.

TANK MIXES

NOTICE: Tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator and/or application advisor.
Read and follow the entire label of each product to be used in the tank mix with this product.

RESISTANCE MANAGEMENT

V-10170 5 FS Insecticide is a neonicotinoid and a Group 4A insecticide. Insect biotypes with acquired resistance to Group 4A insecticides may eventually dominate the insect population if 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 5 FS Insecticide or other Group 4A insecticides. Valent U.S.A. Corporation strives to maintain strong stewardship of this product by recommending that its use be coordinated in a planned resistance management strategy program established for the specific crop and area.

Contact 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.

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DIRECTIONS FOR USE

RESTRICTIONS

V-10170 5 FS Insecticide must be used only in accordance with specifications on this label utilizing commercial liquid or slurry seed treatment equipment to secure proper application. Always mix product thoroughly before use.

As stated by regulations specified in 40 CFR 153.155, all seed treated with V-10170 5 FS Insecticide must be colored with an EPA-approved dye or colorant to visually distinguish seed is treated with a pesticide. It is mandatory that such dye or colorant be added into the slurry mixture containing V-10170 5 FS Insecticide, prior to application through commercial seed treatment equipment. This regulation is necessary to prevent treated seed from accidental use as a food for man or feed for animals.

Seed Quality And Storage Of Treated Seed

Seed treatments applied to low vigor or poor quality seed or to mechanically damaged seed may result in loss of seed germination or reduced seedling vigor. To verify seed safety, treat a small portion of seed with the desired slurry mixture (V-10170 5 FS Insecticide alone or in combination with other commercial seed treatment products) prior to treatment of an entire seed lot. Utilize standard seed germination methodologies to determine and verify seed safety. Proper storage conditions of treated seed are recommended. Due to seed quality and seed storage conditions beyond the control of Valent U.S.A. Corporation, no claims are made to guarantee the germination of carry-over treated seed.

LABELING OF TREATED SEED

The Federal Seed Act requires that the container of seed treated with V-10170 5 FS Insecticide must be labeled with the following information:

- This seed has been treated with V-10170 5 FS Insecticide which contains clothianidin.
- Do not use treated seed for feed, food, or oil processing.

In addition, the U.S. Environmental Protection Agency requires the following statements on the container of seed treated with V-10170 5 FS Insecticide:

- Regardless of the type of application (seed treatment, soil or foliar) do not apply more than a total of 6 oz clothianidin (active ingredient) per acre per cropping cycle except for soybean. Regardless of the type of application (seed treatment, soil or foliar) do not apply more than a total of 3.2 oz clothianidin (active ingredient) per acre per cropping cycle for soybean.
- Rapeseed greens and seed grown or harvested from V-10170 5 FS Insecticide treated seed must not be used for feed or human consumption. Rapeseed grown and harvested from V-10170 5 FS Insecticide treated seed is only for industrial uses and cannot be used for edible oil or any human/feed consumption.
- Store away from feeds and other foodstuffs.
- Wear long sleeved shirt, long pants and waterproof gloves when handling treated seed.

- Dispose of all excess treated seed. Left over treated seed may be double-sown around the headland or buried away from water sources in accordance with local requirements. Do not contaminate water bodies when disposing of planting equipment washwaters.
- Dispose of seed packaging in accordance with local requirements.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading.
- Do not graze or feed soybean forage and hay to livestock.
- Areas planted with treated seed of cereal grains (except rice, sorghum, sweet corn and wild rice), field corn, popcorn, sugar beet and soybean may be replanted immediately with bulb vegetables, canola, cereal grains (except rice), cotton, corn (field, pop and sweet), fruiting vegetables (including cucurbits), leafy vegetables (including brassica vegetables), rapeseed, root and tuber vegetables, sorghum, soybean and sugar beet. These areas may also be replanted after 30 days with dry beans, grasses, non-grass animal feeds and rice. These areas may also be replanted after 8 months with sugarcane. Do not plant any other crop in the treated area for at least one year after these treated seeds are planted.
- Areas planted with treated seed of canola, rapeseed, sorghum and sweet corn may be replanted immediately with bulb vegetables, canola, cereal grains (except rice), cotton, corn (field, pop and sweet), fruiting vegetables (including cucurbits), leafy vegetables (including brassica vegetables), rapeseed, root and tuber vegetables, sorghum, soybean and sugar beet. These areas may also be replanted after 30 days with dry beans, grasses, non-grass animal feeds and rice. Do not plant any other crops in the treated area for at least 4 months after these treated seeds are planted.

ROTATIONAL CROP PLANT-BACK INTERVALS					
Crops Planted	Immediate Plant-back	30-Day Plant-back	4-Month Plant-back	8-Month Plant-back	12-Month Plant-back
Cereal Grains (except Rice, Sorghum, Sweet Corn and Wild Rice), Field Corn, Pop Corn, Sugar Beet, Soybean	Bulb Vegetables, Canola, Cereal Grains (except Rice), Cotton, Corn (Field, Pop and Sweet), Fruiting Vegetables (including Cucurbits), Leafy Vegetables (including Brassica Vegetables), Rapeseed, Root and Tuber Vegetables, Sorghum, Soybean, Sugar Beet	Dry Beans, Grasses, Non-grass Animal Feeds, Rice		Sugarcane	Any crops without an earlier plant-back interval
Canola, Rapeseed, Sorghum, Sweet Corn	Bulb Vegetables, Canola, Cereal Grains (except Rice), Cotton, Corn (Field, Pop and Sweet), Fruiting Vegetables (including Cucurbits), Leafy Vegetables (including Brassica Vegetables), Rapeseed, Root and Tuber Vegetables, Sorghum, Soybean, Sugar Beet	Dry Beans, Grasses, Non-grass Animal Feeds, Rice	Any crop without an earlier plant-back interval		

USE INFORMATION

V-10170 5 FS Insecticide (clothianidin) is a systemic insecticide seed treatment providing seed and seedling protection against listed soil insects and early-season foliar insects of canola/rapeseed, corn, sorghum, soybean and sugar beet.

Accurate application of V-10170 5 FS Insecticide to seed is required for best performance. Application to seed by commercial seed treatment equipment utilizing standard liquid or slurry treaters, is necessary. Thoroughly mix V-10170 5 FS Insecticide prior to use or use entire container at one time. **Pre-test tank mixtures with other seed treatment products to verify formulation compatibility and to assure proper physical compatibility of products. Be aware of limitations or cautions documented on labels of all products used in a seed treatment mixture.**

CANOLA/RAPESEED		
Insect Pests	V-10170 5 FS Insecticide Use Rates fl oz/100 lbs seed	Further Use Instructions
Flea Beetle Wireworm	10.23	V-10170 5 FS Insecticide provides early season protection against listed pests.
Restriction		
<ul style="list-style-type: none"> Regardless of the type of application (seed treatment, soil, or foliar) do not apply more than a total of 6 oz clothianidin (active ingredient) per acre per cropping cycle. 		

Cereal Grains Except Corns (Field, Pop and Sweetcorn), Rice, Sorghum and Wild Rice			
Crops Including:	Insect Pests	V10170 5 FS Insecticide Use Rates fl oz/ 100 lbs seed	Further Use Instructions
Barley Buckwheat Pearl Millet Proso Millet Oats Rye Teosinte Triticale	Wireworm	0.25 – 1.79	For wireworm seed protection, use a 0.25 fl oz/100 lbs seed rate or higher, depending on field history and site populations.
	Aphid	0.75 – 1.79	
Wheat	Wireworm	0.25 – 1.79	For wireworm seed protection, use a 0.25 fl oz/100 lbs seed rate or higher, depending on field history and site populations.
	Aphid	0.75 – 1.79	
	Hessian Fly	1.79	For Hessian Fly protection to wheat seedlings in the Fall season, use 1.79 fl oz/100 lbs seed.
Restriction <ul style="list-style-type: none"> Regardless of the type of application (seed treatment, soil, or foliar) do not apply more than a total of 6 oz clothianidin (active ingredient) per acre per cropping cycle. 			

CORN				
Crops	Insect Pests	V-10170 5 FS Insecticide Use Rates		Further Use Instructions
		fl oz/unit of seed*	mg ai/kernel	
Corn Field Pop Seed Sweet Corn	Chinch Bug Corn Flea Beetle Corn Leaf Aphid Cutworm (black) Grape Colaspis Seedcorn Maggot Southern Corn Leaf Beetle Southern Corn Rootworm Southern Green Stinkbug Storage Pests (including Indian Meal Moth Lesser Grain Borer Red Flour Beetle Rice Weevil Rusty Grain Beetle) Sugarcane Beetle White Grub (including European Chafer Larvae May/June Beetle Larvae Japanese Beetle Larvae Thrips Wireworm	1.13 to 2.26	0.25 to 0.5	Provide early seed and seedling protection against listed pests. For additional insect protection commercially treated seed with 0.25 mg ai/kernel rate of clothianidin may be over-treated with up to 0.25 mg/ai/kernel to equal total dose rate of 0.5 mg ai/kernel. For Storage Pests: Follow guidelines for control of stored grain insects, it is advised that seed with existing populations of storage pests be fumigated prior to treating and bagging of seed.
Field Corn and Popcorn	For Early Season Suppression of: Corn Rootworm (including Mexican Northern Southern) Southern Corn Billbug	5.64	1.25	For Southern Corn Billbug: follow-up foliar spray of a locally registered insecticide may be needed under heavy pest pressure. Consult your local Extension office for recommendations.
Restriction				
<ul style="list-style-type: none"> Regardless of the type of application (seed treatment, soil, or foliar) do not apply more than a total of 6 oz clothianidin (active ingredient) per acre per cropping cycle. 				

*Corn seed unit = 80,000 seed

SORGHUM		
Insect Pests	V-10170 5 FS Insecticide Use Rates fl oz/100 lbs seed	Further Use Instructions
Black Granulate Cutworm Chinch Bug Corn Leaf Aphid English Grain Aphid Greenbug Seed Corn Maggot White Grub Wireworm Yellow Sugarcane Aphid	5.1 to 6.4	V-10170 5 FS Insecticide provides seed and seedling protection against listed pests.
Restriction <ul style="list-style-type: none"> Regardless of the type of application (seed treatment, soil, or foliar) do not apply more than a total of 6 oz clothianidin (active ingredient) per acre per cropping cycle. 		

SOYBEAN		
Insect Pests	V-10170 5 FS Insecticide Use Rates fl oz/100 lbs seed	Further Use Instructions
Aphids Bean Leaf Beetle Grape Colaspis Leafhoppers Pea Leaf Weevil Seed Corn Maggot Three Cornered Alfalfa Hopper Thrips White Grubs Wireworm	1.28	V-10170 5 FS Insecticide provides seed and seedling protection against listed pests.
<ul style="list-style-type: none"> Foliar spray of clothianidin can be applied 45 days after planting. V-10170 5FS Insecticide treated soybean seeds for mid-to-late season foliar insects. Regardless of type of application (seed treatment or foliar), do not apply more than a total of 0.2 lbs active ingredient clothianidin per acre per season. Do not graze or feed soybean forage and hay to livestock. 		
Restriction <ul style="list-style-type: none"> Regardless of the type of application (seed treatment, soil, or foliar) do not apply more than a total of 3.2 oz clothianidin (active ingredient) per acre per cropping cycle. 		

SUGAR BEET

Insect Pests	V-10170 5 FS Insecticide Use Rates fl oz/pelleted seed unit*	Further Use Instructions
Black Bean Aphid Cutworms Flea Beetle Garden Springtail Sugar Beet Leafhopper Sugar Beet Leafminer Sugar Beet Root Maggot Wireworm	3.4	<p>V-10170 5 FS Insecticide provides seed and seedling protection against listed pests.</p> <p>Protection against beet leafhopper injury aids in reducing potential spread of beet curly top virus, vectored by beet leafhopper.</p> <p>Apply V-10170 5 FS Insecticide to seed with a coating system giving a minimum weight gain build-up of approximately 30%.</p>
<p>Restriction</p> <ul style="list-style-type: none"> Regardless of the type of application (seed treatment, soil, or foliar) do not apply more than a total of 6 oz clothianidin (active ingredient) per acre per cropping cycle. 		

*A seed unit is 100,000 seed.

STORAGE AND DISPOSAL

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

PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING

[Use the following statement for containers equal to or less than 5 gallons]

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, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

[Use the following statement for rigid nonrefillable/greater than 5 gals or 50 lbs containers]

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. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling, if available; otherwise dispose of in a sanitary landfill or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

[Use the following statement for all formulation types/all refillable container types]

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Offer for recycling, if available; otherwise dispose of in a sanitary landfill or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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Manufactured For:

Valent U.S.A. Corporation

P. O. Box 8025

Walnut Creek CA 94596-8025

(800)-682-5368

Made in U.S.A.

EPA Reg. No. 59639-151

EPA Est. No.

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