

100-1320 01-12-2011 1/8

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



OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

January 12, 2011

Timothy E. Wilson
Syngenta Crop Protection, Inc.
P.O. Box 18300
Greensboro, NC 27419

Dear Dr. Wilson:

Subject: Amended supplemental labeling to extend the expiration date
Voliam Xpress Insecticide
EPA Reg. No. 100-1320
Your submission dated December 30, 2010

The proposed supplemental labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable with the following comment:

- Please revise the expiration statement to read, "This label expires July 17, 2012, and must not be used or distributed after that date."

A stamped copy is enclosed for your records. Please submit two copies of your final printed labeling before you release the product for shipment. Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). If you have any questions, please contact Julie Chao by phone at: (703) 308-8735, or by email at: chao.julie@epa.gov.

Regards,

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

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

Enclosure

SUPPLEMENTAL LABEL



Syngenta Crop Protection, LLC
P.O.Box 18300
Greensboro, NC 27419-8300

ACCEPTED
With COMMENTS
In EPA Letter Dated:

JAN 12 2011

Under the Federal Insecticide, Fungicide,
and Rodenticide Act, As amended, for the
pesticide Registered under EPA Reg. No:

RESTRICTED USE PESTICIDE

100-1320

DUE TO TOXICITY TO FISH AND AQUATIC ORGANISMS

**FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS, OR PERSONS UNDER THEIR
DIRECT SUPERVISION, AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S
CERTIFICATION.**

SUPPLEMENTAL LABEL FOR VOLIAM XPRESS® INSECTICIDE TO ADD:

- **CHEMIGATION APPLICATION PROCEDURES FOR POTATOES ONLY**
- **DIRECTIONS FOR USE FOR POME FRUIT, POTATO, STONE FRUIT, AND TREE NUTS.**

Active Ingredient:

Lambda-cyhalothrin ^{1,2}	4.63%
Chlorantraniliprole ³	9.26%
Other Ingredients:	86.11%
Total:	100.0%

¹CAS No. 91465-08-6

²Synthetic pyrethroid

³CAS No. 500008-45-7

Voliam Xpress contains 0.835 lb. of chlorantraniliprole and 0.417 lb. of lambda cyhalothrin per gallon.

KEEP OUT OF REACH OF CHILDREN.

WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

EPA Reg. No. 100-1320

SCP 1320A-S2-1 0709

This label expires July 17, 2012.

All applicable directions, restrictions and precautions on the EPA-registered label must be followed.

Before using Voliam Xpress Insecticide, as permitted according to this supplemental label, read and follow all applicable directions, restrictions, and precautions on the EPA registered label on

or attached to the pesticide product container. This Supplemental Labeling contains revised use instructions and or restrictions that may be different from those that appear on the container label. This Supplemental Labeling must be in the possession of the user at the time of pesticide application. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

DIRECTIONS FOR USE RESTRICTED USE PESTICIDE

CHEMIGATION – POTATOES ONLY

Sprinkler Irrigation Application:

Apply Voliam Xpress at rates and timing described elsewhere in this label. As local specifications differ, consult your local State Extension Service or other local experts for specifications on adjuvant or diluent types, (see **TANK MIX APPLICATION**) rates and mixing instructions. These specifications must be proven, through university and extension field trials, to be effective with Voliam Xpress applied by chemigation.

Check the irrigation system to insure uniform application of water to all areas. Thorough coverage of foliage is required for good control. Maintain good agitation in the pesticide supply tank prior to and during the entire application period.

Apply by injecting the specified rate of Voliam Xpress into the irrigation system using a metering device that will introduce a constant flow and by distributing the product to the target area in 0.1–0.2 acre-inch of water. Use the least amount of water required for proper distribution and coverage. Inject the product into the main irrigation line ahead of a right angle turn in the line to insure adequate dispersion or mixing in the irrigation water. Once the application is completed, flush the entire irrigation and injection system with clean water before stopping the system.

If application is being made during a normal irrigation set of a stationary sprinkler, inject the specified rate of Voliam Xpress for the area covered into the system only during the end of the irrigation set for sufficient time to provide adequate coverage and product distribution.

Do not apply Voliam Xpress through an irrigation system connected to a public water system. 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.

Use Precautions: Sprinkler Irrigation Application:

- A. 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 system(s). Do not apply this product through any other type of irrigation system.
- B. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
- C. If you have questions about calibration, contact State Extension Service specialists, equipment manufacturers or other experts.
- D. 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.
- E. 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.
- F. 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.
- G. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

- H. The pesticide injection pipeline must also 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.
- I. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- J. 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.
- K. 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.
- L. Any alternatives to the above required safety devices must conform to the list of EPA-approved alternative devices.
- M. Do not apply when wind speed favors drift beyond the area intended for treatment or non-uniform distribution of treated water.
- N. Do not apply through chemigation systems connected to public water systems.

Crop	Pest	Rate Per Acre Per Application
Pome Fruit Apples Crabapples Loquat Mayhaw Quince Pear Oriental pear (<i>Pyrus pyrifolia</i>)	Apple Aphid Apple Maggot (Adult) Cherry Fruit Flies (Adult) Codling Moth Green Fruitworm Japanese Beetle Leafhoppers Leafrollers Lesser Appleworm Obliquebanded Leafroller Omnivorous Leafroller Orange Tortrix Oriental Fruit Moth Pear Psylla ¹ Pear Sawfly Periodical Cicada Plant Bugs Plum Curculio Rosy Apple Aphid San Jose Scale (fruit infestations only) Spirea Aphid ¹ Spotted tentiform leafminer Stink Bugs Tent Caterpillars Tentiform Leaf Miners Tree Borers Tufted Apple Budmoth Webworms	6.0 – 12.0 fl. oz./A

Use Restrictions

- **Maximum Voliam Xpress Allowed per Growing Season:** Do not exceed a total of 31.0 fl. oz. of Voliam Xpress or 0.2 lb. a.i. of lambda-cyhalothrin containing products or 0.2 lb. a.i. of chlorantraniliprole containing products per acre per growing season.
- **Application Timing:** Apply before pests reach damaging levels. Scout fields and treat again if populations rebuild to potentially damaging levels. Apply higher rates for heavy infestations.
- **Pre-Harvest Interval (PHI):** 21 days
- **Minimum Interval Between Applications:** 10 days.
- **Water Volume:** Use sufficient water volume to ensure thorough coverage of foliage. For best results, apply 75-150 gallons water per acre. Do not apply dilute applications of more than 200 GPA. Do not use less than 10 GPA for aerial applications.
- **Do not** use an adjuvant with applications of Voliam Xpress within 60 days of harvest in pome fruit.
- Make no more than 4 applications per season.

¹Suppression only

Refer to Resistance Management section in booklet.

Crop	Pest	Rate Per Acre Per Application
Potato	Cutworms Sweet Potato Hornworm Saltmarsh Caterpillar Woollybear Caterpillars Leafhoppers	5.0 – 8.0 fl. oz./A
	Aphids Armyworms Blister Beetles Colorado Potato Beetle Corn Earworm Crickets Cucumber Beetles(adults) European corn borer Flea Beetles (adults) Grasshoppers Loopers Lygus Bugs Plant Bugs Potato Psyllid Potato Tuberworm Stink Bugs Sweet Potato Leaf Beetle (adults) Sweet Potato Vine Borer Thrips ^{1,2} Tortoise Beetles Webworms Weevils (adults)	6.0 – 9.0 fl. oz./A
	Leafminers ¹ Whiteflies ¹	9.0 fl. oz./A

Use Restrictions

- **Maximum Voliam Xpress Allowed per Growing Season:** Do not exceed a total of 27.0 fl. oz. of Voliam Xpress or 0.12 lb. a.i. of lambda-cyhalothrin containing products or 0.2 lb. a.i. of chlorantraniliprole containing products per acre per growing season.
- **Application Timing:** Apply before pests reach damaging levels. Scout fields and treat again if populations rebuild to potentially damaging levels. Apply higher rates for heavy infestations.
- **Pre-Harvest Interval (PHI):** 14 days
- **Minimum interval between applications:** 7 days.
- **Water Volume:** Use sufficient water volume to ensure thorough coverage of foliage. Do not use less than 10 GPA for ground applications or 5 GPA for aerial applications.

¹Suppression only

²Does not include Western Flower Thrips

Refer to Resistance Management section in booklet.

Crop	Pest	Rate Per Acre Per Application
Stone Fruit Apricot Cherry, sweet & tart Nectarine Peach Plum Plum, Chickasaw Plum, Damson Plum, Japanese Plumcot Prune (fresh)	American Plum Borer Apple Maggot (Adult) Black Cherry Aphid Cherry Fruit Flies (Adult) Codling Moth Green Fruitworm Japanese Beetle June Beetle Leafhoppers Leafrollers Oriental Fruit Moth Peach Twig Borer Peachtree Borers Pear Sawfly Periodical Cicada Plant Bugs Plum Curculio Rose Chafer Stink Bugs Tent Caterpillars Thrips	6.0 – 12.0 fl. oz./A

Use Restrictions

- **Maximum Voliam Xpress Allowed per Growing Season:** Do not exceed a total of 31.0 fl. oz. of Voliam Xpress or 0.2 lb. a.i. of lambda-cyhalothrin containing products or 0.2 lb. a.i. of chlorantraniliprole containing products per acre per growing season.
- **Application Timing:** Apply before pests reach damaging levels. Scout fields and treat again if populations rebuild to potentially damaging levels. Apply higher rates for heavy infestations.
- **Pre-Harvest Interval (PHI):** 14 days
- **Minimum Interval Between Applications:** 7 days.
- **Water Volume:** Use sufficient water volume to ensure thorough coverage of foliage. For best results, apply 75-150 gallons water per acre. Do not apply dilute applications of more than 200 GPA. Do not use less than 10 GPA for aerial applications.
- For sweet cherry and tart cherry: Do not use an adjuvant with applications of Voliam Xpress.
- Make no more than 4 applications per season.

Refer to Resistance Management section in booklet.

Crop	Pest	Rate Per Acre Per Application
Tree Nuts		
Almond Beech Nut Brazil Nut Butternut Cashew Chestnut Chinquapin Filbert (Hazelnut) Hickory Nut Macadamia Nut (Bush Nut) Pistachio Walnut, Black Walnut, English (Persian)	Ants Chinch Bug Codling Moth Filbertworm Leaffooted Bug Leafroller species Obliquebanded Leafroller Oriental Fruit Moth Navel Orangeworm Peach Twig Borer Plant Bug species Stink Bug species Walnut Aphid Walnut Husk Fly species (Adult)	6.0 – 12.5 fl. oz./A
Pecans	Hickory Shuckworm Pecan Aphid species Pecan Casebearer species Pecan Phylloxera species Pecan Spittlebug Pecan Weevil Stink Bug species	6.0 - 12.5 fl. oz./A

Use Restrictions

- **Maximum Voliam Xpress Allowed per Growing Season:** Do not exceed a total of 31.0 fl. oz. of Voliam Xpress or 0.16 lb. a.i. of lambda-cyhalothrin containing products (0.12 lb. a.i. of lambda-cyhalothrin containing products post bloom) or 0.2 lb. a.i. of chlorantraniliprole containing products per acre per year.
- **Application Timing:** Apply before pests reach damaging levels. Scout fields and treat again if populations rebuild to potentially damaging levels. Apply higher rates for heavy infestations.
- **Pre-Harvest Interval (PHI):** 14 days
- **Minimum Interval Between Applications:** 7 days.
- **Water Volume:** Use sufficient water volume to ensure thorough coverage of foliage. Do not use less than 10 GPA for ground applications. For best results, apply 100-150 GPA. Do not apply dilute applications of more than 200 GPA. Do not use less than 10 GPA for aerial applications.
- Make no more than 4 applications per season.

Refer to Resistance Management section in booklet.

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