

59639-162

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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

JAN 24 2013

Name Ms. Julie Schlekau  
Federal Registration Manager

Company Valent USA Corporation  
Address 1600 Riviera Avenue, Suite 200  
Walnut Creek, CA 94596-8025

Subject: Notification: Minor label revisions  
Additional establishment number and container size  
Revised Storage and Disposal statement per PR Notice 2007-4  
Dino 2 GL Insecticide  
EPA Registration Number 59639-162

Dear Ms. Schlekau:

The Agency is in receipt of your application dated October 8, 2012 for Pesticide Notification under Pesticide Registration Notices (PRN) 98-10 and 2007-4 for the product Dinotefuran 2 GL Insecticide. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action(s) requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear on the label or durably marked on the container itself.

In future, make sure that all changes made to the label are mentioned in the cover letter. If you have any questions, please call me directly at 703-308-8291.

Sincerely,

*Rita Kumar*

Rita Kumar  
Senior Regulatory Specialist  
Insectide-Rodenticide Branch  
Registration Division (7505P)  
Office of Pesticide Programs  
E-mail: kumar.rita@epa.gov

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Please read instructions on reverse before completing form.

Form Approved. IB No. 2070-0060, Approval expires 2-28-95



United States  
Environmental Protection Agency  
Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

### Application for Pesticide - Section I

1. Company/Product Number 59639-162	2. EPA Product Manager Ms. Rita Kumar	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Dino 2 G GL Insecticide	PM# 01	
5. Name and Address of Applicant (Include ZIP Code) Valent U.S.A. Corporation 1600 Riviera Ave., Suite 200 Walnut Creek, CA 94596-8025 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

### Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

**NOTIFICATION**  
JAN 24 2013

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)  
NOTIFICATION per PR Notice 2007-4: adding alternate container handling language due to different container size.

### Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input checked="" type="checkbox"/> On Labeling	
6. Manner in Which Label is Affixed to Product		<input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____	

### Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Julie B. Schlekau	Title Federal Registration Manager	Telephone No. (Include Area Code) 202-872-4688
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received <b>(Stamped)</b>
2. Signature 	3. Title Federal Registration Manager	
4. Typed Name Julie B. Schlekau	5. Date October 8, 2012	

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Valent, U.S.A. Corporation  
Registration & Regulatory Affairs  
1101 14<sup>th</sup> St., NW, Suite 1050  
Washington, DC 20005  
(202) 872-4688



October 18, 2012

Notification  
Dino 2 G GL Insecticide  
EPA Reg. No. 59639-162

Rita Kumar, PM Team 01  
Document Processing Desk (NOTIF)  
Office of Pesticide Programs  
US Environmental Protection Agency (7504P)  
Room S-4900, One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202

NOTIFICATION  
JAN 24 2013

Dear Rita:

Valent U.S.A. is submitting the enclosed Notification per PR Notice 2007-4 adding alternate Container Disposal language due to a different container size. Although the language is not identical to that in the PR Notice, the language was previously approved by EPA on January 20, 2012, EPA Reg. No. 59639-99. We believe that since this has been vetted by EPA and previously approved it would fall within the Notification requirements.

- Included with this letter is the following to support this Notification submission:
- Application for Pesticide (EPA Form 8570-1)
- Proposed label (1 copy and 1 redline copy)
- Certification Statement for PR-Notice 98-10

If you have any questions, please contact me at 202-872-0955 or at [julie.schleka@valent.com](mailto:julie.schleka@valent.com).

Sincerely,

*Synda Orestad*

*for*

Julie B. Schlekau  
Federal Registration Manager  
Registration and Regulatory Affairs  
Valent U.S.A. Corporation

Enclosures

cc: [illegible]

cc: [illegible]

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**NOTIFICATION**

**JAN 24 2013**

**REDLINE COPY**

[FRONT]

[Text in Brackets indicates alternate language]

**DINO 2 G GL Insecticide**

**ACTIVE INGREDIENT:**

\*Dinotefuran N-methyl-N'-nitro-N'-[(tetrahydro-3-furanyl)methyl]guanidine ..... 2%

OTHER INGREDIENTS ..... 98%

Total ..... 100%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

EPA Reg. No. 59639-162

EPA Est. No. 39578-TX-01; 67545-AZ-01

**See side or back panel booklet for additional precautionary statements.**

For Outdoor Use Only

For control of listed insects in ornamental plants, shrubs and trees in the landscape or in containers.

Manufactured for Valent U.S.A Corporation, P. O. Box 8025, Walnut Creek, CA 94596-8025, [www.valent.com](http://www.valent.com) (800)-89-VALENT (897-2536)

**NET WT 1 LB (454gm)**

**NET WT 7 LB (3.18 kg)**

**NET WT 10 LB (4.54 kg)**

**NET WT 2,000 LB (907.19 kg)**

(Back or Side Panel)

[Optional text depending on labeling for example if using a back panel booklet]

**Open Resealable Label for  
Directions & Precautions**

{PEEL HERE}

{PRESS TO RESEAL}

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**[PRODUCT INFORMATION]**

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read and follow all label directions.

**HOW IT WORKS**

*Dino 2 G GL Insecticide* is a broad-spectrum insecticide that kills many insects infesting ornamental plants, trees and shrubs growing in the landscape or in containers. *Dino 2 G GL Insecticide* is a systemic product and will be taken up by the root system and transported throughout the plant. *Dino 2 G GL Insecticide* will be transported more quickly in annual and perennial plants than in woody trees and shrubs.

[Alternate Text]

*Dino 2 G GL Insecticide* is a broad-spectrum systemic insecticide that kills listed insects infesting ornamental plants, trees and shrubs growing in the landscape or in containers. After application it quickly washes off the applied granules and moves with the water into the soil, where it is taken up by the roots and absorbed through the bark of roots, and moves with the transpiration water up the trunk and into the fine branches and leaves of trees and shrubs. Insects that chew or suck in or on trees and shrubs will ingest the insecticide

**PESTS CONTROLLED**

Adelgids, Aphids, Borers including Emerald Ash Borer, Fungus Gnats, Lacebugs, Leafhoppers, Leaf Beetles (excluding Asian Longhorned Beetles), Leafminers, Mealybugs, Psyllids, Root Weevils, Scales, Thrips, Whiteflies and White Grubs

**WHERE TO USE**

Outdoors on newly planted or established ornamental plants, trees and shrubs planted in the landscape or in containers.

For Emerald Ash Borer, apply when EAB has been found within 15 miles of ash trees you want to treat.

**WHEN TO USE**

When insects begin to appear.  
When trees are actively growing with sufficient water.  
For Emerald Ash Borer apply in early to mid June in the Northern States, early to mid May in transition states and early to mid April in Southern States. May also be applied in late summer.

**ORNAMENTAL PLANTS, SHRUBS AND TREES**

Ornamental Plants, Trees and Shrubs, Conifers, Evergreens, Flowering Plants, Foliage Plants, Non-Bearing Fruit Trees\*, Non-Bearing Nut Trees\*, Non-Bearing Vines\*  
\*Non-Bearing is defined as trees and vines that will not bear edible fruit for one year.

<p><b>AMOUNT TO USE</b></p> <p><b>For plants grown in the ground:</b> Apply <i>Dino 2 G GL Insecticide</i> evenly on soil around base of plant within 18" of the trunk.</p> <p><b>Trees:</b> Use 1/3 to 2/3 cup of <i>Dino 2 G GL Insecticide</i> per inch of diameter of trunk. Apply at the base of the tree and water the granules to move the insecticide into the soil.</p> <p>For multi-stemmed trees, add the diameter for all stems together to determine the total diameter to be treated.</p> <p><b>Shrubs:</b> 1/4 to 1/3 cup of <i>Dino 2 G GL Insecticide</i> per foot of shrub height.</p> <p><b>For plants grown in containers:</b> See table inside booklet</p>
<p><b>HOW TO USE</b></p> <p>Evenly distribute the product on the soil surface within one and half feet of the base of the plant.</p>
<p><b>For Question, Comments or Medical Information Call: (800) 89-VALENT (898-2536)</b></p>

{Inside Booklet}

**RESTRICTIONS AND LIMITATIONS**

- Do not allow runoff or puddling of irrigation water following application.
- Keep children and pets off treated areas until dusts have settled.
- Do not apply to areas that are water logged or saturated or frozen, which will not allow penetration into the root zone of the plant.

**APPLICATION INFORMATION**

- Only apply to moist soil. Do not apply to dry, saturated or frozen soil or when plants are not actively growing and taking up water from soil.
- Heavy rainfall or inadequate irrigation immediately following application may decrease performance.
- Use higher labeled rates for larger diameter trees and for broadleaf evergreens with dense foliage (example hollies).
- For plants growing in containers water containers after application with just enough water to dissolve granules.
- Pull back mulch prior to application if mulch is more than 1" thick.
- Irrigate after application with enough water to dissolve granules and move product into root zone

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**Plants growing in containers**

Treatment of Individual Containers	
Container Diameter (inches)	Teaspoons (tsp) per Container
4	1/8 to 1/4 tsp
5	1/4 to 1/3 tsp
6	1/3 to 2/3 tsp
7	2/3 to 3/4 tsp
8	3/4 to 1 tsp

For larger pots evenly distribute the product to the top of soil surface using 1/3 to 2/3 tsp for each gallon of potting media in container.

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS & DOMESTIC ANIMALS  
CAUTION**

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

FIRST AID	
<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 further treatment advice.</li> </ul>
<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>

**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.

**ENVIRONMENTAL HAZARDS**

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Sweeping any product that lands on a driveway, sidewalk or street, back into the treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems.

This pesticide is toxic to shrimp. 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 apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in water adjacent to treated areas. Do not dispose of equipment washwaters or rinsate into a natural drain or water body. Do not contaminate water when disposing of equipment washwaters or rinsate.

This compound is toxic to honey bees. The persistence of residues and potential residual toxicity of Dinotefuran in nectar and pollen suggest the possibility of chronic risk to honey bee larvae and the eventual instability of the hive.

This product is toxic to bees exposed to treatment for more than 38 hours following treatment. Do not apply this product to blooming, pollen-shedding or nectar-producing parts of plants during this time period, unless the application is made in response to a public health emergency declared by appropriate state and federal authorities.

Dinotefuran and its degradate, MNG have the properties and characteristics associated with chemicals detected in ground water. The high water solubility of dinotefuran, and its degradate, MNG, coupled with its very high mobility, and resistance to biodegradation indicates that this compound has a strong potential to leach to the subsurface under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination. Periodic monitoring of shallow groundwater in the use area is recommended.



**STORAGE AND DISPOSAL**

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

**Pesticide Storage:** Store in original container in a cool dry place, out of reach of children, preferably a locked storage cabinet. **Pesticide Disposal and Container**

**Handling:** Nonrefillable container. Do not reuse or refill this container. **If empty** – Place in trash or offer for recycling, if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

[Container statement for nonrefillable bag]

**[CONTAINER HANDLING: Nonrefillable bag:** Do not reuse or refill this bag. Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into equipment. Do not reuse bag. Dispose of bag in a sanitary landfill or by incineration if allowed by State and local authorities. Offer for recycling if available.

**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 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, and injury caused by drift. Such risks of 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, 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. 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 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, increased care, 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**

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 the date of application, so that an immediate inspection of the affected property can be made.

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.

[NOTICE: To the extent consistent with applicable law, buyer assumes all risk of use, storage or handling of this product not in accordance with directions. GUARANTEE: If for any reason you, the consumer, are not satisfied with this product, mail us your original proof of purchase to obtain a full refund of your purchase price.]

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**Optional Marketing Statements**

[FOR USE ON] Residential Trees, Shrubs And Ornamental Plants

Ready-To-Use

Season Long Control

Broad Spectrum Insect Control on Trees and Shrubs

Season Long Control of Listed Insect Pests

Preventive Control

[Apply During] Spring, Summer and [Early] Fall

[For Use On] Trees, Shrubs and Ornamental Plants

Kills Whiteflies, Mealybugs, Aphids, Leafminers and Scale

For Systemic Insect Control In and Around Trees, Shrubs And Ornamental Plants

For Outdoor Home Use Only

Insect killer on trees and shrubs

Kills Emerald Ash Borer

Kills EAB (Emerald Ash Borer)

Kills HWA (Hemlock Woolly Adelgid)

Controls HWA (Hemlock Woolly Adelgid)

Kills (Controls) Scales

Kills (Controls) Aphids

Kills (Controls) beetles (excluding Asian Longhorned Beetles) in trees and shrubs

Kills borers in trees and/shrubs

Kills (Controls) mountain pine beetles

Kills (Controls) thrips

Kills (Controls) lacebugs

Attack Aphids

Kills (Controls) leafminers

Kills (Controls) fungus gnats

Kills (Controls) mealy bugs

Kills (Controls) whiteflies

Kills (Controls) royal palm bugs

Kills (Controls) cycad scale

Kills (Controls) aphids

Kills listed insects

Kills (Controls) listed tree pests

Kills (Controls) listed insects that kill trees

Kills (Controls) listed tree insects

Kills (Controls) listed insects that damage trees

Kills (Controls) beetles in trees

Kills listed beetles and/or borers in trees

Kills listed insects under the bark

Kills listed insects that bore into trees

Kills (Controls) listed insects that feed on trees

Kills (Controls) listed insects that eat leaves

Kills (Controls) listed insects that eat shrubs

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Kills listed bugs on roses (and flowering shrubs)

Kills listed insects from inside the tree

For beautiful trees and/or shrubs

For potted plants

For plants in pots

Kills (Controls) listed insects in or on potted plants

Provides season long protection

Works all season

Lasts in trees all season

Season long insect control

Kills listed bugs (insects) all season

Apply once a year

Apply only once a year

Keep plants mealy bug free

Keep plants aphid free

Moves into trees & shrubs

Easy to measure and pour

Easy to apply granule

Easy-to-use granule

Measure strip on container

Contains (Includes) measuring cup or device.

Tip n Pour Container

Tip, Measure, and (&) Pour Container

Insecticide for plants in pots

Small package for plants in pots

Insect control for plants in pots

Contains measuring spoon

Treats \_\_\_ feet of hedge \_\_\_ feet tall [based on container size]

This container treats \_\_\_ feet of hedge \_\_\_ feet tall [based on container size:

One jug treats 12 four inch diameter trees [1 LB (454gm), 7 LB (3.18 kg), 10 LB (4.54 kg)]

This container treats \_\_\_ number of trees [1 LB (454gm), 7 LB (3.18 kg), 10 LB (4.54 kg)]

This container treats \_\_\_ number of shrubs [1 LB (454gm), 7 LB (3.18 kg), 10 LB (4.54 kg)]

One jug treats 23 three foot tall shrubs [1 LB (454gm), 7 LB (3.18 kg), 10 LB (4.54 kg)]

Controls emerald ash borer and many other insects such as aphids, mealybugs, leafminers, whiteflies, adelgids, borers, beetles (excluding Asian Longhorned beetles) and scales.

Can be used for insect control on plants in pots.

059639-00162.20121018.DINO2G GL.NOTIF.r