

59639 -162

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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

MAY 04 2012

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  
Alternate warranty statement  
Dino: ~~2 G~~ GL Insecticide  
EPA Registration Number 59639-162  
Your submission pin punched March 14, 2012

NOTIFICATION  
MAY 04 2012

Dear Ms. Schlekau:

The Agency is in receipt of your application dated November 11, 2011 for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 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.

In future, please submit alternate warranty statements as fast track amendments. 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



United States  
**Environmental Protection Agency**  
 Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number

**Application for Pesticide - Section I**

1. Company/Product Number 59639-162	2. EPA Product Manager Rita Kumar	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Dino 2 G GL Insecticide	PM# PM Team 01	
5. Name and Address of Applicant (Include ZIP Code) Valent U.S.A. Corporation 1600 Riviera Ave., Ste 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: <input checked="" type="checkbox"/> EPA Reg. No. _____ Product Name _____	

**NOTIFICATION**  
 MAY 04 2012

**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.

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

Notification per PR Notice 98-10 adding alternate warranty language.

**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
* Certification must be submitted	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				<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 3.5 lb., 7 lb.		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
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 Mgr.	Telephone No. (Include Area Code) 202-872-0955
<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 (Stamped)
2. Signature <i>Julie B Schlekau</i>	3. Title Federal Registration Manager	
4. Typed Name Julie B. Schlekau	5. Date March 14, 2012	

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



March 14, 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**  
**MAY 04 2012**

Dear Rita:

Valent U.S.A. is submitting the enclosed Notification per PR Notice 98-10. We have added an alternate warranty statement to the label.

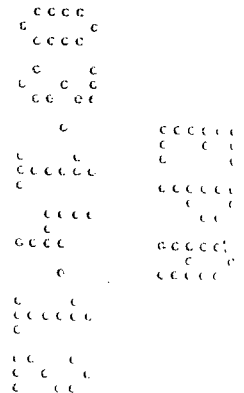
Enclosed in support of this Notification are the following:

- 1. Pesticide Application (Form 8570-1)
- 2. Certification with Respect to Label Integrity Statement
- 3. One copy of the proposed label
- 4. One copy of the proposed label with redline additions

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

Sincerely,

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



Enclosures

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NOTIFICATION  
MAY 04 2012

[FRONT]  
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

See side or back panel booklet for additional precautionary statements.

For Outdoor Use Only

[ ] indicates alternate language

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)

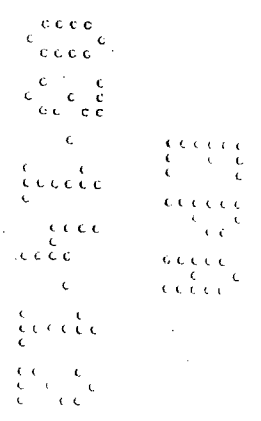
(Back or Side Panel)

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

Open Resealable Label for  
Directions & Precautions

{PEEL HERE}

{PRESS TO RESEAL}



5/11

**[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.

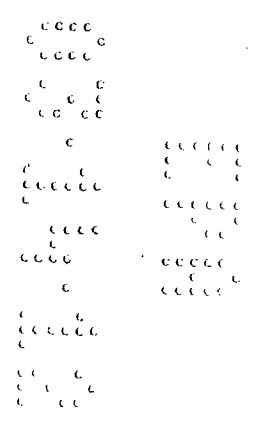
**WHEN TO USE**

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>

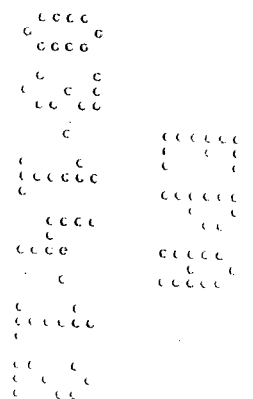
{Inside Booklet}

**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



**Plants growing in containers**

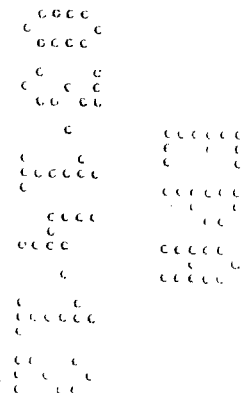
Treatment of Individual Containers	
Container Diameter (inches)	Teaspoons (tsp) per Container
4	1/8 to 1/4 tsp
5	1/4 to 1/3 tsp
6	1/3 to 2/3 tsp
7	2/3 to 3/4 tsp
8	3/4 to 1 tsp

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	
<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 <b>800-892-0099</b> for emergency medical treatment information.</p>	



**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.

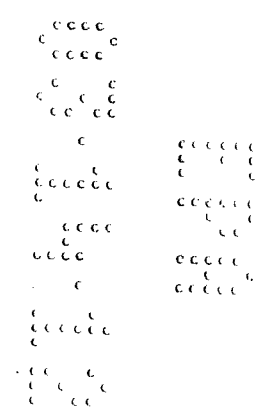
This product is toxic to bees exposed to treatment for more than 38 hours following treatment. Do not apply this product to blooming, pollen-shedding or nectar-producing parts of plants during this time period, unless the application is made in response to a public health emergency declared by appropriate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







**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.

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