

73049-42

12/09/2008 -

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

December 9, 2008

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Doina Bujor, Regulatory Manager  
Valent BioSciences Corporation  
870 Technology Way  
Libertyville, IL 60048

RE: Product Name: Release LC Plant Growth Regulator Solution  
EPA Reg. No: 73049-42  
Application for Label Notification Dated October 23, 2008 to Update Storage and  
Disposal Language per PR Notice 2007-4

Dear Ms. Bujor:

The Biopesticides and Pollution Prevention Division is in receipt of your application for Notification under PR Notice 98-10 dated above. A preliminary screen of this request has been conducted for its applicability under PRN 98-10 and it has been determined that the action(s) requested falls within the scope of PRN 98-10. Our records have been duly noted, and the label submitted with this application has been stamped "Notification, received and reviewed" and will be placed accordingly in our records.

Questions concerning this action should be directed to Ms. Diana Hudson at (703) 308-8713 or email at [hudson.diana@epa.gov](mailto:hudson.diana@epa.gov).

Sincerely,

*Linda Hollis*

Linda Hollis, Chief  
Biochemical Pesticides Branch  
Biopesticides and Pollution Prevention  
Division (7511P)

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060



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<br>73049-42  | 2. EPA Product-Manager<br>Linda Hollis  | 3. Proposed Classification<br><input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name)<br>RELEASE LC Plant Growth Regulator Solution  | PM# 91  |  |
| 5. Name and Address of Applicant (Include ZIP Code)<br>Valent BioSciences Corporation<br>870 Technology Way<br>Libertyville, IL 60048<br><input type="checkbox"/> Check if this is a new address | 6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(ii), my product is similar or identical in composition and labeling to:<br><input checked="" type="checkbox"/> EPA Reg. No. _____<br>Product Name _____ |  |

Section - II

|  |  |   |
|--|--|---|
| <input type="checkbox"/> Amendment - Explain below.                            | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ | <b>NOTIFICATION</b><br>Date Reviewed: _____<br>Reviewed By: _____ |
| <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 of label per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. NO other changes have been made to the labeling or the Confidential Statement of Formula for this product. (see next page)

Section - III

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

Section - IV

|  |                                |   |
|--|--------------------------------|---|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)  |                                |   |
| Name<br>Doina Bujor  | Title<br>Regulatory Manager    | Telephone No. (Include Area Code)<br>847-968-4724 |
| <b>Certification</b><br>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<br>(Stamped)         |
| 2. Signature<br>   | 3. Title<br>Regulatory Manager |   |
| 4. Typed Name<br>Doina Bujor   | 5. Date<br>Oct 23, 2008        |   |

Notification of Storage and Disposal Statement (PR Notice 2007-4) for Release LC, EPA Reg. No. 73049-42 (continuation from the previous page)

I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§152.46, 56.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and may be subject to enforcement action and penalties under section 12 and 14 of FIFRA.

*[Handwritten signature]*

Oct. 23, 2008

*[Faint, illegible text, possibly a stamp or form]*



October 23, 2008

Linda Hollis  
 Biopesticides & Pollution Prevention Division  
 Document Processing Desk (NOTIF)  
 Office Of Pesticide Programs (7504P)  
 U.S. Environmental Protection Agency  
 Room S-4900, One Potomac Yard  
 2777 South Crystal Drive  
 Arlington, VA 22202-4501  
 703-308-8269

**RE: Release® (EPA Reg. No. 73049-42) Notification**

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Dear Ms. Hollis:

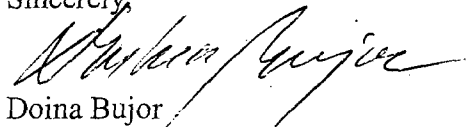
Valent BioSciences Corporation is submitting a notification for Release LC Plant Growth Regulator Solution (EPA Reg. No. 73049-42) in accordance with PR Notice PR Notice 2007-4. The changes made to the label are to the Storage and Disposal statement.

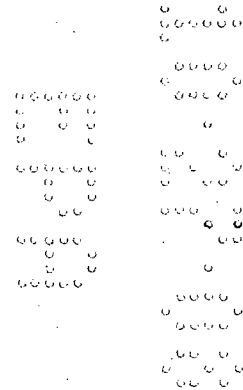
Present submission consists of:

- Application for Registration (EPA form 8570-1)
- One copy of the red-lined label
- One copy of the clean label.

Please contact me if you have any questions at 847-968-4724 or by e-mail at [doina.bujor@valent.com](mailto:doina.bujor@valent.com).

Sincerely,

  
 Doina Bujor  
 Regulatory Manager



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**RELEASE® LC**  
**PLANT GROWTH REGULATOR**  
**SOLUTION**

**NOTIFICATION**

Date Reviewed: 12-9-08

Reviewed By: D. Hudson

|                        |            |
|------------------------|------------|
| Active Ingredient:     |            |
| Gibberellins.....      | 4.0% w/w   |
| Other Ingredients..... | 96.0% w/w  |
| Total.....             | 100.0% w/w |

Release LC liquid contains approximately 1.0 gram active ingredient per fluid ounce of formulated product.

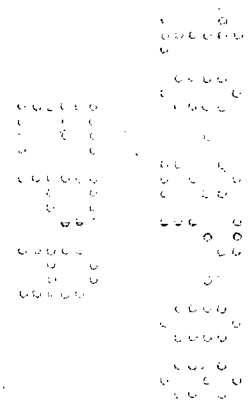
Valent BioSciences Corporation  
870 Technology Way  
Libertyville, IL 60048

EPA Reg. No. 73049-42  
EPA Est. No. 33762-IA-1  
Net Contents:

Batch Code: \_\_\_\_\_

**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).





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- Long-sleeved shirt and long pants.
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride or viton.
- Shoes plus socks.
- Protective eyewear.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining Personal Protective Equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**User Safety Recommendations**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- 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**

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

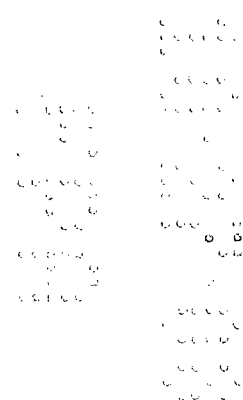
**PHYSICAL OR CHEMICAL HAZARDS**

**FLAMMABLE!** Keep away from heat and open flame.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. 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 agency responsible for pesticide regulation.

Do not apply this product through any type of irrigation system.



### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers of farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. Exceptions: After treated seeds are planted, the Worker Protection Standard, under certain circumstances, allows workers to enter the planted area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls.
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride or viton.
- Shoes plus socks.
- Protective eyewear



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### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Keep containers tightly closed when not in use. Keep away from heat and open flame.

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

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) 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  $\frac{1}{4}$  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. If recycling is not available puncture and dispose of the container in a sanitary landfill, or by other procedures approved by state and local authorities.

### GENERAL INFORMATION

**IMPORTANT:** Before application, read directions thoroughly and use only as directed.

Release LC® contains an extremely potent natural plant growth regulator. One fluid ounce of Release LC contains approximately one gram of active ingredient. Consult your local experiment station specialist, distributor, or the Abbott agricultural specialist in your area for the application best suited for your conditions.

Release LC is designed for use on stonefruit. When applied according to label directions, Release LC may: (a) reduce flowering and fruiting ("thinning") the season following application, and (b) increase fruit firmness and improve fruit quality in the season of application.

Release LC is designed to be used as a seed treatment for rice, wheat, and sorghum seed. When applied according to the label directions, Release LC stimulates seed germination and promotes faster and uniform stand establishment. The following table describes Release LC use application and expected benefits.

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**RELEASE LC SEED TREATMENT APPLICATIONS**  
*For Application to Rice, Wheat, and Sorghum Seed*

| <b>Crop</b>    | <b>RELEASE LC Use Rates</b>  | <b>Use Restrictions</b>   | <b>Benefits</b>   |
|----------------|--|---|---|
| <b>Rice</b>    | 0.5 to 2.1 fl oz product in 8-20 fl oz water/100 lbs seed<br>(Equivalent to 15 to 62 ml in 237-591 ml water/45 kg seed)  | For use with drill or broadcast seeding systems.<br><br><b>Do not</b> apply Release LC prior to a 24 hour presoak or to water used for the presoak.<br><br><b>Do not</b> exceed 2.1 fl oz product/100 lbs of seed (or 62 ml product/45 kg seed) | May promote germination and emergence for semi-dwarf and tall varieties.<br><br>May help increase final stand density and uniformity when seed are planted deeper to receive adequate moisture. |
| <b>Wheat</b>   | 0.5 to 3.15 fl oz product in 8-20 fl oz water/100 lbs seed<br>(Equivalent to 15 to 93 ml in 237-591 ml water/45 kg seed) | <b>Do not</b> exceed 3.15 fl oz product/100 lbs of seed (or 93 ml product /45 kg seed)  | May promote germination and emergence, particularly for seed with dormancy problems that are planted under cool soil conditions.  |
| <b>Sorghum</b> | 0.5 to 3.15 fl oz product in 8-20 fl oz water/100 lbs seed<br>(Equivalent to 15 to 93 ml in 237-591 ml water/45 kg seed) | <b>Do not</b> exceed 3.15 fl oz product/100 lbs of seed (or 93 ml product/45 kg seed)   | May promote germination and emergence, particularly for seed with dormancy problems that are planted under cool soil conditions.  |

**Mixing Instructions**

Release LC may be applied to seed with standard mist treating equipment. For best results, higher treatment volume of 12 to 20 fluid ounces per 100 pounds of seed (355 to 591 ml/45 kg seed) ensures complete and uniform coverage.

Fill the treatment tank with half of the final tank mix volume. Add the required amount of Release LC and mix thoroughly while adding water and other co-applied seed treatment products (see Compatibility with Other Chemicals section) to the desired final volume.

**Use Precautions**

**Do not** use treated seed for food, feed or oil purposes. An approved dye must be added to distinguish Release LC treated seed and prevent inadvertent use as food or feed.

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## COMPATIBILITY WITH OTHER CHEMICALS

Release LC is compatible with most commonly used fungicide seed treatments (e.g. Vitavax<sup>®</sup> and Dithane<sup>®</sup>), standard dyes, and sticker/binding agents. When preparing tank mixes, ensure adequate physical compatibility and mixing.

Vitavax<sup>®</sup> is a registered trademark of Uniroyal Chemical Co.  
Dithane<sup>®</sup> is a registered trademark of Rohm and Haas Co.

## SPRAY GUIDELINE FOR STONEFRUIT

Prepare spray material by mixing the required amount of product with water only in a clean, empty spray tank. Application is recommended by ground sprayer. For optimum results, uniform spray coverage of leaves, shoots and fruits is required. Use sufficient water volume to ensure thorough wetting of the canopy.

To optimize responses make applications during periods conducive to longer drying times, i.e. late afternoon through early morning. Responses may vary with species, variety, rate and application timing. Grower experience will determine the best rate, timing, and volume necessary to obtain the desired response for any individual orchard. As a range of rates is indicated, use the concentration and spray volume recommended locally. For more information, consult your local extension specialist, farm advisor, or Abbott Laboratories agricultural specialist.

- Apply only to mature bearing trees greater than five years of age.
- DO NOT exceed 48 grams\*/acre per season.
- DO NOT apply within five days of harvest.
- Do not apply in less than 100 gallons of water per acre.

### **To reduce flowering and fruiting ("thinning") the season following application:**

Guide: Apply as a single spray of 16 to 48 grams\*/acre during the flower bud initiation period, which typically occurs from mid-May through mid-July.

Note: If fruit are present, fruit firmness may be increased. Soluble solids levels may be slightly delayed in some varieties.

### **To increase fruit firmness and improve fruit quality in the season of application:**

Guide: Apply as a single spray of 16 to 48 grams\*/acre approximately one to four weeks prior to harvest.

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Note: If application is made from mid-May through mid-July both a firmness (in season of application) and a thinning (following season) response may occur. Soluble solids levels may be slightly delayed in some varieties.

\*Refers to actual gibberellins.

### **COMPATIBILITY WITH OTHER CHEMICALS**

Do not mix with adjuvants, nutrients or pesticides except DiPel® or XenTari® (products of Valent BioSciences Corporation). Data concerning the compatibility of Release LC with other agricultural compounds used on stone fruit, other than DiPel and XenTari, are not available.

### **NOTICE TO USER**

Seller makes no warranty, express or implied, of merchantability, fitness or otherwise concerning the use of this product other than as indicated on the label. User assumes all risks of use, storage or handling not in strict accordance with accompanying directions.

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