

73049-29

09/01/2009

1/11



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

September 1, 2009

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

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

RE: Product Name: Accel Plant Growth Regulator Solution  
EPA Reg. No: 73049-29  
Application for Label Notification Dated July 17, 2009 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 Pesticide Registration (PR) Notice 98-10 dated above. A preliminary screen of this request has been conducted for its applicability under PR Notice 98-10 and it has been determined that the action(s) requested falls within the scope of PR Notice 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)



United States Environmental Protection Agency Washington, DC 20460

Registration [ ] Amendment [ ] Other [X]

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number: 73049-29
2. EPA Product Manager: Linda Hollis
3. Proposed Classification: [X] None [ ] Restricted
4. Company/Product (Name): Accel Plant Growth Regulator Solution
5. Name and Address of Applicant: Valent BioSciences Corporation
6. Expedited Review: [ ] EPA Reg. No. Product Name

Section - II

Amendment - Explain below. [ ]
Resubmission in response to Agency letter dated [ ]
Notification - Explain below. [X]
Final printed labels in response to Agency letter dated [ ]
Me Too Application. [ ]
Other - Explain below. [ ]
Date Reviewed: 9-1-09

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
Reviewed By: D. Hudson
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:
Child-Resistant Packaging: [X] No
Unit Packaging: [X] No
Water Soluble Packaging: [X] No
2. Type of Container: [X] Plastic
3. Location of Net Contents Information: [X] Label
4. Size(s) Retail Container
5. Location of Label Directions: [X] On Label
6. Manner in Which Label is Affixed to Product: [ ] Lithograph [ ] Paper glued [ ] Stenciled [ ] Other

Section - IV

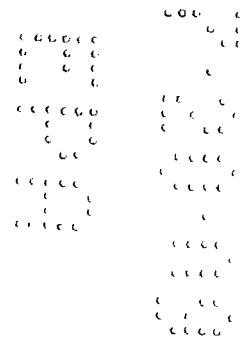
1. Contact Point: Name: Doina Bujor, Title: Regulatory Manager, Telephone No.: 847-968-4724
Certification: I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete.
2. Signature: Doina Bujor
3. Title: Regulatory Manager
4. Typed Name: Doina Bujor
5. Date: Jul 17, 2009
6. Date Application Received (Stamped)

Notification of Storage and Disposal Statement (PR Notice 2007-4) for Accel, EPA Reg. No. 73049-29 (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.

*Stephane Guyon*

*July 17, 2009*



4/11



July 17, 2009

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: ACCEL Plant Growth Regulator Solution (EPA Reg. No. 73049-29)  
 Notification**

---

Dear Ms. Hollis:


Valent BioSciences Corporation is submitting a notification for ACCEL Plant Growth Regulator Solution (EPA Reg. No. 73049-29) in accordance with PR Notice PR Notice 2007-4. The changes are made to the last stamped approved label (August 10, 2007) and consist of addition of the new language to the Storage and Disposal statement

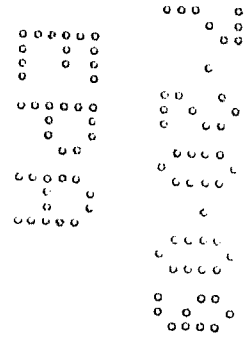
Present submission consists of:

- 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



5/11

**NOTIFICATION**

Date Reviewed: 9-1-09

Reviewed By: D. Hudson

ACCEL®

**PLANT GROWTH REGULATOR SOLUTION**

**Active Ingredients:**

N-(Phenylmethyl)-1H-purine-6-amine.....1.80% w/w

**Gibberellins**

A<sub>4</sub>A<sub>7</sub>.....0.18% w/w

**Other**

ingredients.....98.02%

w/w

Total.....100.0

0% w/w

A plant growth regulator for use as a thinning agent on apples.

Store below 75°F (24°C)

**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. 73049-29

Lot

No.: \_\_\_\_\_

EPA Est. No.

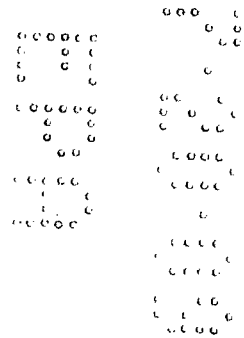
Registrant:

Net Contents:

Valent BioSciences Corporation

870 Technology Way

Libertyville, IL 60048



<b>FIRST AID</b>	
<b>If in eyes</b>	--Hold eye open and rinse slowly and gently with water for 15-20 minutes. --Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. --Call a poison control center or doctor for treatment advice.
<b>If swallowed</b>	--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 the poison control center or doctor. --Do not give anything by mouth to an unconscious person.
<b>HOT LINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-892-0099 (24 hours) for emergency medical treatment and/or transport emergency information. For all other information, call 1-800-6-VALENT.	

**PRECAUTIONARY STATEMENTS  
HAZARD TO HUMANS & DOMESTIC ANIMALS  
WARNING**

Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear protective eyewear (goggles or face shield). Harmful if swallowed. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

**Personal Protective Equipment (PPE)**

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Protective eyewear
- Shoes plus socks
- Waterproof gloves

Follow manufacturer's instructions for cleaning and maintaining 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:

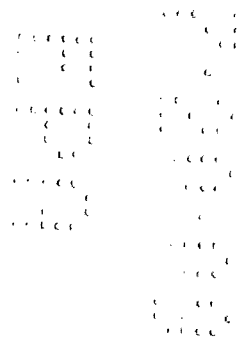
- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

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 contaminate water when cleaning equipment or disposing of equipment washwaters.

**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.



**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 on 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 interval. 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.

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
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

**STORAGE AND DISPOSAL**

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

**Pesticide Storage:** Store below 75°F (24°C). Keep containers tightly closed when not in use.

**Pesticide Disposal:** Wastes resulting from 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 ¼ 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 or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.



**PRODUCT INFORMATION**

Accel is a plant growth regulator intended to be used as part of a comprehensive fruit thinning program. When used according to label directions on healthy, well-managed trees and under favorable weather conditions (see General Instructions), Accel may provide one or both of the following benefits in some varieties:

- 1. Fruit thinning
- 2. Increased fruit size

**GENERAL INSTRUCTIONS**

- Do not apply this product through any type of irrigation system.
- When a range of rates is indicated, use the concentration and spray volume recommended locally by the Valent agricultural specialist.
- For optimum effectiveness, thorough spray coverage must be achieved. All parts of the plant or crop must receive the spray or desired results will not occur. Approximately 85% of the spray volume should be directed into the upper two-thirds of the trees.
- Applications of Accel are most effective when ambient air temperature is around 75°F. If possible, avoid spraying Accel when ambient air temperatures are below 40°F or above 90°F. For best results, apply Accel just prior to a warming trend, or when there are likely to be 2 to 3 days of temperatures above 70°F.
- Accel applications made under slow drying conditions (medium to high relative humidity, and no wind) will increase absorption by the plant, thus optimizing effectiveness.
- Published data have shown that naphthaleneacetic acid (NAA) can cause pygmy fruit development in some varieties in some areas. Please consult your local Valent agricultural specialist for recommendations before including NAA and Accel in a thinning program.
- For best results, the water pH should be near neutral (pH 7) and always below 8.5.
- Rainfall or overhead irrigation within 6 hours after spraying may reduce the activity of Accel.
- **Compatibility:** The Accel spray guidelines refer to use of the product alone. Data concerning the compatibility of Accel with other agricultural

compounds, except DiPel® DF , XenTari,® or Biobit® are not available. Valent does not assume responsibility for unexpected results due to the tank mixing of Accel with other products.

- **Mixing Instructions:** Add the required amount of Accel to a spray tank about half-filled with water. Agitate while bringing the total volume of water to the required level. New solutions should be mixed only in a clean, empty spray tank, and used within 24 hours. Discard any unused spray material following local, state, or Federal law.

### APPLICATION INSTRUCTIONS

Since many factors such as tree age, vigor, cultural practices, bloom density, and pollination, may affect fruit set and crop load, thinning programs must be based on the history of each orchard block, experience of the orchardist, and prevailing local growing conditions.

Accel can be an effective component for a comprehensive thinning program with other registered materials.

One to two applications of 18 to 53.5 fluid ounces of Accel should be made between the final stages of petal fall to 10 mm average fruit diameter (Note: this period may extend from approximately 7 to 21 days after full bloom, depending on the apple variety and local weather conditions). Apply Accel under favorable weather conditions (see note on the General Instructions section).

Refer to the Rate Conversion Table for equivalency of fluid ounces of Accel and grams of active ingredient. Do not exceed 53.5 fluid ounces of Accel (30 grams of N-(phenylmethyl)-1H-purine-6-amine) per acre per application.

Accel should be applied in 50 to 200 gallons of final spray solution per acre per application. As with most plant growth regulator products, timing and total grams of active ingredient per acre are the two major factors that determine the magnitude of response. The amount of water used per acre should be maintained at a point that ensures uniform and thorough coverage of the tree canopy, but avoiding excessive wash-off of the product.

#### Rate Conversion Table For Accel

<u>Grams a. i.*/acre</u>	<u>Fluid ounces of Accel</u>
10	18.0
15	27.0
20	35.5
25	44.5
30	53.5

\* Refers to grams of N-(phenylmethyl)-1H-purine-6-amine

11/11

DiPel® DF, XenTari®, and Biobit® are registered trademarks of Valent BioSciences Corporation.

**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.

2009

