

73049-468

9/15/2011

1 of 13



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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Thomas Bade, Ph.D.
Valent BioSciences Corp.
870 Technology Way
Libertyville, IL 60048

SEP 15 2011

Subject: Label Notification to Add Alternate Brand Name PinCor™
Product Name: VBC-30102
EPA Reg. No: 73049-468
Your Submission Dated August 12, 2011

Dear Dr. Bade:

The Biopesticides and Pollution Prevention Division is in receipt of your application for Notification under Pesticide Registration Notice (PRN) 98-10, as referenced above. A screen of this request has been conducted for applicability under PRN 98-10, and it has been determined that the action request falls within the scope of this document. Our records have been duly noted, and the revised product label submitted with this application has been stamped "Notification Accepted" and placed on file. The alternate brand name PinCor™ has been entered into our database as a currently active brand name for your product.

Your label Amendment submission dated June 29, 2011, which incorporates these changes and also makes minor text changes to other parts of the label, is pending review. Should you have any questions regarding either of these actions, you may contact Gina Casciano at (703) 605-0513 or via email at casciano.gina@epa.gov.

Sincerely,

Linda Hollis

Linda A. 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

Print Form



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 Valent BioSciences, EPA # 73049-468	2. EPA Product Manager Linda Hollis	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) VBC-30102 Plant Growth Regulator Liquid Concentrate	PM# 91	
5. Name and Address of Applicant (Include ZIP Code) Valent BioSciences Corp. 870 Technology Way Libertyville IL, 60048 <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: Notification Accepted Date: SEP 15 2011 EPA Reg. No. _____ Product Name: G. Casiano	

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: Add an Alternate Brand Name to 'VBC-30102 Plant Growth Regulator Liquid Concentrate'
Alternate Brand Name is 'PinCor Plant Growth Regulator Liquid Concentrate'.
See attachment for Notification statement.

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 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 <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container	4. Size(s) Retail Container	5. Location of Label Directions <input type="checkbox"/> On Label <input checked="" type="checkbox"/> On Labeling accompanying product			
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph 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 Thomas Bade Ph.D.	Title Regulatory Manager	Telephone No. (include Area Code) 847-968-4726
Certification 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 	3. Title Regulatory Manager	
4. Typed Name Thomas Bade	5. Date 8/12/11	

30413



Thomas Bade Ph.D.
August 12, 2011

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504C)
U.S. Environmental Protection Agency
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202-4501

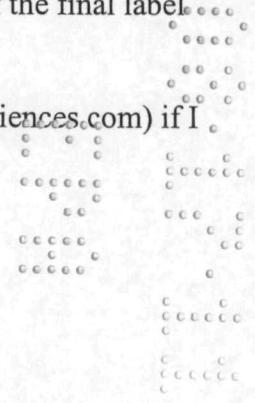
Subject: Valent BioSciences Corp. EPA Reg. No. 73049-468,
Add an Alternate Brand Name for
EPA Reg. No. 73049-468; 'VBC-30102 Plant Growth Regulator Liquid Concentrate'
Alternate Brand Name: 'PinCor™ Plant Growth Regulator Liquid Concentrate'.

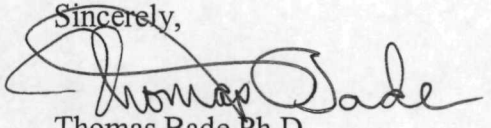
Valent BioSciences Corp. is requesting to add an Alternate Brand Name to the registration 73049-468 for 'VBC-30102 Plant Growth Regulator Liquid Concentrate' (Reg # 73049-468). The Alternate Brand Name is 'PinCor™ Plant Growth Regulator Liquid Concentrate'

Valent BioSciences Corp. believes this is a notification.

Included in this submission is EPA form 8570-1 describing the addition of an alternate brand name as a notification. Also included is one (1) copy of the label with the names change clearly marked throughout the label, and two (2) copies of the final label with all name changes included.

Please contact me at (847)-968-4726, (thomas.bade@valentbiosciences.com) if I can be of any assistance during the review of this submission.



Sincerely,

 Thomas Bade Ph.D.
 Regulatory Manager
 Valent BioSciences

PinCor™
PLANT GROWTH REGULATOR
LIQUID CONCENTRATE

Notification Accepted
Date SEP 15 2011
Reviewer: G. Casciano

ACTIVE INGREDIENT:

[S]- <i>trans</i> -2-Amino-4-(2-aminoethoxy)-3-butenic acid hydrochloride	20.0 % w/w
OTHER INGREDIENTS.....	80.0 % w/w
TOTAL.....	100.0 %

EPA Reg. No. 73049-468
EPA Est. 33762-IA-001

Registrant:
Valent BioSciences Corporation
870 Technology Way
Libertyville, IL 60048

Lot No.

Net Weight: 1.67 lb / gallon

One bottle will treat up to 7.6 acres of nut crops at the maximum use rate.
One bottle will treat up to 7.4 acres of cucumber crops at the maximum use rate.
One bottle will treat up to 3.3 acres of pineapple crops at the maximum use rate.

KEEP OUT OF REACH OF CHILDREN
CAUTION

PLEASE SEE ATTACHED APPLICATION GUIDE FOR COMPLETE PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE

HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if inhaled or absorbed through skin. Avoid breathing spray mist. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

FIRST AID	
If inhaled	--Move person to fresh air. --If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. --Call a poison control center or doctor for further treatment advice.
If on skin or clothing	--Take off contaminated clothing. --Rinse skin immediately with plenty of water for 15-20 minutes. --Call a poison control center or doctor for treatment advice.
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 1-800-892-0099 (24 hours) for emergency medical treatment and/or transport emergency information. For all other information, call 1-800-6-Valent.	

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to Supplemental Labeling under "AGRICULTURAL USE REQUIREMENTS" in the DIRECTIONS FOR USE section for information about this standard.



Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

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

Hand-wand applicators must wear dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with N, R, P or HE filter when applying this product.

Follow manufacturer's instructions for cleaning/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

For terrestrial uses: 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 when disposing of equipment washwater or rinsate.

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 State or Tribal 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 in this labeling 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.

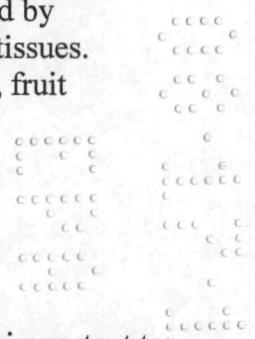
PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil, or water is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

GENERAL INFORMATION FOR USE

IMPORTANT: Before application, read all use directions thoroughly. Use PinCor™ only as directed.

PinCor™ contains 20% (wt/wt) [S]-*trans*-2-amino-4-(2-aminoethoxy)-3-butenoic acid hydrochloride, commonly known as aminoethoxyvinylglycine, aviglycine HCl, or AVG HCl. AVG HCl is a potent plant growth regulator produced by fermentation. AVG HCl inhibits the production of ethylene in plant tissues. Ethylene affects plant processes such as flower development, fruit set, fruit maturation, fruit ripening, and fruit abscission.



GENERAL APPLICATION INSTRUCTIONS

- Do not apply this product through any type of irrigation system.
- Because the proper timing of PinCor™ application is particularly important to product performance, serious consideration is to be given, on a block-by-block basis, to any site conditions (e.g., elevation, sun exposure, soil texture), growing condition(s) (e.g., prevailing or anticipated weather patterns such as high temperature, chilling, drought or flood conditions, nutrient levels) or production practices (e.g., crop load, pruning severity) that could impact flowering, fruit set, or fruit maturation during the course of the season.

- For walnuts, pecans and cucumbers, apply PinCor™ in a sufficient amount of water to ensure good coverage of the tree or crop canopy. Product efficacy requires that flowers, fruits, and foliage receive thorough spray coverage. Use calibrated spray equipment to ensure uniform coverage of flowers, fruit, and foliage. Adjust water volumes based on plant size and spacing. Excessive spray application volumes that result in spray runoff will reduce product performance.
- For pineapples, apply PinCor™ in a sufficient amount of water to ensure good coverage of the apex of the stem (plant core) of pre-flowering pineapples.
- Prepare spray solution by mixing the required amount of product with water in a clean, empty spray tank. Dispose of any unused spray material at the end of each day
- Avoid applications during the heat of the day. For best results, apply PinCor™ under slow drying conditions, e.g. early in the morning or at night, in order to maximize absorption.
- Maintain solution pH between 6 and 8.
- For walnuts, pecans and cucumbers, do not apply PinCor™ to plants under stress (e.g. heat, water, disease, insect). Injured or stressed plants may not respond to PinCor™.
- In the case of pineapples, however, PinCor™ may be applied to plants under stress conditions that induce Natural Induction of flowering in pineapple, also known as Naturally Differentiated Flowering.
- Do not use overhead cooling or irrigation equipment for at least 8 hours following PinCor™ application.
- Do not apply PinCor™ if rain is expected within 8 hours of application.

COMPATIBILITY WITH OTHER AGRICULTURAL PRODUCTS

Compatibility and performance data for PinCor™ with agricultural products are not available. Do not tank mix PinCor™ with other products unless compatibility has been verified.

If considering tank mixing PinCor™ with other products use the following **compatibility jar test** before mixing a whole tank:

Add water from the same water source to a clear glass or plastic jar. Add the pesticides in correct proportions. Mix thoroughly and let stand for a minimum 15 minutes. Separation, gelling, or generation of heat are all signs of incompatibility.

Even if a mix passes the jar test for compatibility, it is imperative to test it on a designated area to evaluate for both phytotoxicity and poor or efficacy.

Always read and follow all label directions and precautions of each product. When using combinations of products, the most restrictive of label limitations and precautions must be followed. Do not mix with any pesticide that has a prohibition against tank mixing. For further information consult your Valent agricultural specialist.

PINEAPPLE

CROP	OBJECTIVE / BENEFIT:	APPLICATION TIMING/ USE INSTRUCTIONS
<p>Pineapple</p>	<p>Reduce the incidence of Natural Induction (NI) of flowering in pineapple, also known as Naturally Differentiated Flowering (NDF) and commonly known as “kicking over”.</p> <p>Reduction of NDF allows for artificial induction of flowers (forcing) at the appropriate plant maturity to give more uniform flowering and consequently more uniform fruit maturity.</p> <p>Consult your Valent Specialist for specific information on the best use practices.</p>	<p>Apply 16 to 24 fl oz. (473 ml to 710 ml) of PinCor™ (95 – 142.5 grams AVG HCL) per acre directing the spray pattern toward the apex of the stem (plant core) of pre-flowering pineapples.</p> <p>Make the first application of PinCor™ 7 days prior to the first anticipated occurrence of conditions that favor NDF, typically in early November, near week 45. Make subsequent applications at 7 day intervals</p> <p>Apply no more than 23 pints of PinCor™ (2200 grams AVG HCL) per acre per crop of pineapples.</p> <p>Conditions that favor NDF in pineapple include:</p> <ul style="list-style-type: none"> • cool temperatures (< 68 °F); • short photoperiod (< 12 hr); • prolonged overcast and rainy weather • pre-flowering plant weights greater than 3.0 kg. <p>Make the last application of PinCor™ per growing cycle prior to artificial induction of flowers (forcing).</p>
<p>Water Volume: PinCor™ efficacy requires that the plant core receive thorough spray coverage. Insufficient spray application volumes or uneven application patterns will reduce product performance. Spray volumes of 185 to 250 gallons per acre have been shown to be most effective.</p>		
<p>Adjuvants: PinCor™ may be used with Break-Thru®, RNA Si 100, Silwet L-77®, or Sylgard® 309 organosilicone surfactants at a final surfactant concentration of 0.05 - 0.1% (v/v). To reduce foaming, add the adjuvant last and minimize agitation.</p>		

- IMPORTANT:**
- Apply PinCor™ to pineapple plants only prior to initiation of flowering. Applying PinCor™ to pineapples that have undergone NDF may result in malformed fruit.
 - Do not spray onto pineapple plants that are in bloom or have fruit.
 - Do not allow spray to drift onto pineapple plants that are in bloom or have fruit.
 - Do not apply PinCor™ to pineapples if chilling and other conditions that favor NDF have occurred prior to first scheduled application.
 - Once the first application of PinCor™ has been made, continued control of NDF by PinCor™ will require additional applications during the entire period of susceptibility to NDF up to 7 days prior to the time of forcing.
 - If more than 7 days have elapsed since the previous PinCor™ application, pineapples will again become susceptible to NDF even if previously treated with PinCor™.
 - If a chilling event or other conditions that favor NDF have occurred later than 7 days from the previous application, but before subsequent PinCor™ applications can be made, no further applications of PinCor™ should be made to avoid the occurrence of malformed fruit.
 - Combination effects and potential interactions between PinCor™ and agricultural products have not been thoroughly tested. Tank-mixing PinCor™ with other agricultural products may reduce the efficacy of PinCor™.
 - PinCor™ requires a 6 hour rain-free period after application.

NUT CROPS

CROP	OBJECTIVE / BENEFIT	APPLICATION TIMING/ USE INSTRUCTIONS
Walnut	Increased nut set in cultivars affected by pistillate flower abortion (PFA). Consult your local walnut tree specialist or Valent USA Agricultural Specialist (1-800-6-Valent) for more information.	Apply 8.5 to 17 fl oz. (250 ml to 500 ml) of PinCor™ (50-100 grams AVG HCl)* per acre, as a single application, to trees when most pistillate flowers are receptive to pollination. In most cases, PinCor™ applications at 5 to 30 percent pistillate flower bloom have been shown to be effective. Applications made either too early (pre-bloom) or too late (full bloom or later) will significantly reduce efficacy of the treatment.
Pecan	To increase nut set in cultivars that experience low set in some years. Consult your local pecan tree specialist or Valent USA Agricultural Specialist (1-800-6-Valent) for more information.	Apply 8.5 to 17 fl oz. (250 ml to 500 ml) of PinCor™ (50-100 grams AVG HCl)* per acre, as a single application during bloom time. Applications made either too early (pre-bloom) or too late (after full bloom) will reduce the efficacy of the treatment.
<p>Water Volume: PinCor™ efficacy requires that flower buds and flowers receive thorough spray coverage. To ensure thorough coverage use calibrated spray equipment (i.e. air blast sprayer) and adjust water volumes based on tree size and spacing. Use sufficient water volume to achieve good coverage without excessive runoff. In most cases, 100 to 200 gallons spray volume per acre has been shown to be effective.</p>		
<p>Use of Adjuvants: Use of adjuvants with PinCor™ for bloom applications has not been fully researched. Some adjuvants will cause a bloom thinning effect and will reduce the benefits of PinCor™.</p>		
<p>*Rate: Use higher rates on cultivars/orchards that have experienced high incidences of poor nut set.</p>		

CUCUMBER (SEED PRODUCTION ONLY)

CUCUMBER (FOR GYNOECIOUS INBRED SEED PRODUCTION OR HYBRID SEED PRODUCTION WITH GYNOECIOUS POLLINATOR)

CROP	OBJECTIVE / BENEFIT	APPLICATION TIMING/ USE INSTRUCTIONS
Cucumber (<i>Cucumis sativus</i>) Gynoecious inbred breeding lines.	Promotion of staminate (male) flowers in gynoecious (female flowering) cucumber-breeding lines for the purpose of producing inbred and hybrid cucumber seed.	Apply PinCor™ directly to gynoecious plants to be converted. Make one to six applications of 250 ppm to 1000 ppm AVG HCL beginning at early first leaf stage through tenth leaf stage. Use the appropriate skip row technique to achieve desired sex ratio of plants.
<p>Water Volume: Apply PinCor™ in a sufficient amount of water to ensure good coverage. In most cases, 27 to 54 gallons per treated acre will be sufficient. The application rate and frequency of application will depend on the sensitivity of the individual inbred line to PinCor™. Transient leaf yellowing will occur at high rates. If unacceptable leaf yellowing is noted, use lower concentrations in subsequent applications.</p>		
<p>Use of Adjuvants: Addition of an adjuvant to PinCor™ increases the likelihood of leaf yellowing in young cucumber plants.</p>		
<p>Additional Note: Do not reapply - PinCor™ within 24-hours of application. Use of PinCor™ on cucumber is for gynoecious breeding line and hybrid seed production only. Do not apply directly to, or allow spray to drift to cucumber crops grown for fresh or processed markets. Fruit from plants treated with PinCor™ is not to be used for human or animal consumption. Consult your local vegetable specialist or Valent USA Agricultural Specialist (1-800-6-VALENT) for more information.</p>		

Crop	Gallons of spray solution	fl oz. PinCor™	mL PinCor™	Grams AVG HCL	ppm AVG HCL
cucumber	13.5	8.5	250	50	1000
	27	8.5	250	50	500
	54	8.5	250	50	250
pineapple	185	16	473	95	135
	185	24	710	142	203
	250	16	473	95	100
	250	24	710	142	150
walnut & pecan	100	8.5	250	50	133
	100	17	500	100	266
	200	8.5	250	50	66
	200	17	500	100	133

STORAGE AND DISPOSAL

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

Pesticide Storage: Store product in a cool and dry place. Avoid extended storage conditions at temperatures above 25°C (77°F).

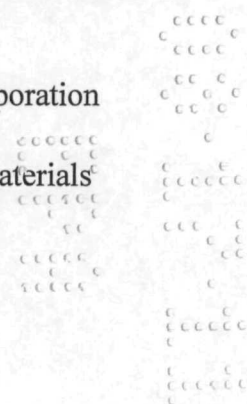
Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

Container Handling: 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. Fill container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or 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 container and dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

NOTICE TO USER

Warranty and Disclaimer Statement: To the extent consistent with applicable law, 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. To the extent consistent with applicable law, user assumes all risks of use, storage or handling not in strict accordance with accompanying directions.

Break-Thru® is a registered trademark of Goldschmidt Chemical Corporation
RNA Si 100 is a product of RNA Corporation.
Silwet L-77® is a registered trademark of Momentive Performance Materials
Sylgard® 309 is a registered trademark of Dow Corning Corporation.



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