

73049-429

4-30-2008

1/30



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

April 30, 2008

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

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

RE: Product Name: V60035 CG  
EPA Reg. No: 73049-429  
Application for Label Notification dated April 15, 2008 to Add Alternate Brand  
Name - VectoMax G

The Biopesticides and Pollution Prevention Division is in receipt of your application for Notification under 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)



April 15, 2008

Sheryl Reilly  
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: V 60035 CG (EPA Reg. No. 73049-429) Notification**

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Dear Ms. Reilly:

Valent BioScience Corporation is submitting a notification for V 60035 CG (EPA Reg. No. 73049-429) in accordance with PR Notice 98-10. The changes made to the label is the addition of a new Alternate Brand Name (ABN) – VectoMax G. No other changes were made to the EPA approved label. Sub-label C using this ABN is identical with Sub-label A, VectoMax CG.

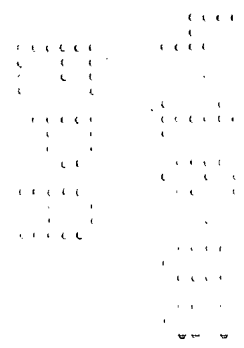
Present submission consists of:

- 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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United States  
Environmental Protection Agency  
Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number

**Application for Pesticide - Section I**

1. Company/Product Number 73049-429	2. EPA Product Manager Sheryl Reilly	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) V60035 CG	PM#	
5. Name and Address of Applicant (Include ZIP Code) Valent BioSciences Corporation 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: 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.

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

**NOTIFICATION**

Notification of Alternate Brand Name per PR Notice 98-10. (continue on the next page) Date Reviewed: 4-30-08  
Reviewed By: D. Hudson

**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 type="checkbox"/> No		<input 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
				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 Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product		<input 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 Doina Bujor	Title Regulatory Manager	Telephone No. (Include Area Code) 847-968-4724
<p align="center"><b>Certification</b></p> <p>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.</p>		6. Date Application Received (Stamped)
2. Signature 	3. Title Regulatory Manager	
4. Typed Name Doina Bujor	5. Date Apr 15, 2008	

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EPA Form 8570-1 (continue)

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. 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 this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under section 12 and 14 of FIFRA.

*Shirley Rogers*

4-15-2008

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5/30

# V60035 CG Biological Larvicide

## NOTIFICATION

Date Reviewed: 4-30-08

Reviewed By: D. Hudson

{Alternate Bran Names: VectoMax CG, V60035 Water Soluble Pouch (WSP),  
VectoMax WSP, VectoMax G}

### MASTER LABEL

- Sub-label A: VectoMax CG – Alternate Brand Name
- Sub-label B: VectoMax WSP – Alternate Brand Name
- Sub-label C: VectoMax G – Alternate Brand Name

#### Active Ingredients:

<i>Bacillus sphaericus</i> Serotype H5a5b, Strain 2362 Fermentation Solids, Spores and Insecticidal Toxins.....	2.7%
<i>Bacillus thuringiensis</i> subsp. <i>israelensis</i> Serotype H-14, Strain AM65-52 Fermentation Solids, Spores, and Insecticidal Toxins.....	4.5%
<b>Other Ingredients</b> .....	92.8%
<b>Total</b> .....	100.0%

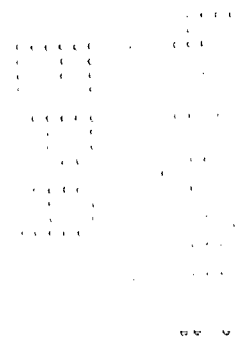
Potency: This product contains 50 BsITU/mg or 0.023 Billion BsITU/lb

The percent active ingredient does not indicate product performance and potency  
measurements are not federally standardized.

**EPA Registration No.** 73049-429

**EPQ Est. No.** 33762-IA-001

Valent BioSciences Corporation  
870 Technology Way  
Libertyville, IL 60048



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**VectoMax CG**

**Biological Larvicide**

(Sub-label A)

For Organic Production

**ACTIVE INGREDIENTS:**

<i>Bacillus sphaericus</i> Serotype H5a5b, Strain 2362 Fermentation Solids, Spores and Insecticidal Toxins.....	2.7%
<i>Bacillus thuringiensis</i> subsp. <i>israelensis</i> Serotype H-14, Strain AM65-52 Fermentation Solids, Spores, and Insecticidal Toxins.....	4.5%
<b>OTHER INGREDIENTS</b> .....	92.8%
<b>TOTAL</b> .....	100.0%

Potency: This product contains 50 BsITU/mg or 0.023 Billion BsITU/lb  
Expiration Date: (Two years from date of manufacture).

The percent active ingredient does not indicate product performance and potency measurements are not federally standardized.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

PATENT PENDING

Valent BioSciences Corporation  
870 Technology Way  
Libertyville, IL 60048

EPA Registration No. 73049-429  
EPQ Est. No. 33762-IA-001  
Net Weight:  
Lot No.

7/30

<b>FIRST AID</b>	
If in eyes	<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>
If on skin or Clothing	<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 treatment advice.</li> </ul>
If inhaled	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth -to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<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 1-877-315-9819 (24 hours) for emergency medical treatment and/or transport emergency information. For all other information, call 1-800-323-9597	

## PRECAUTIONARY STATEMENTS

### HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Harmful if inhaled or absorbed through the skin. Causes moderate eye irritation. Prolonged or frequent skin contact may cause allergic reactions in some individuals. Avoid breathing dust. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Mixers/loaders and applicators not in enclosed cabs or aircraft, must wear a dust/mist filtering respirator meeting NIOSH standards of a least N-95, R-95, or P-95. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitizations.

#### Environmental Hazards

Do not apply directly to treated, finished drinking water reservoirs or drinking water receptacles when the water is intended for human consumption.

8/30

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**Storage and Disposal**

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

**PESTICIDE STORAGE**

Store in a cool, dry place.

**PESTICIDE DISPOSAL**

To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

**CONTAINER DISPOSAL**

Nonrefillable container. Do not reuse or refill this container. Completely empty bag into applications equipment by shaking and tapping sides and bottom to loosen clinging particles. Then offer for recycling if available or dispose of empty bag in sanitary landfill or by incineration. Do not burn, unless allowed by State and local ordinances.

**DIRECTIONS FOR USE****APPLICATION DIRECTIONS****MOSQUITO CONTROL**

VectoMax CG is a selective microbial insecticide for use against mosquito larvae in a variety of habitats. VectoMax CG can be applied to areas that contain fish, other aquatic life and plants. VectoMax CG can be applied to areas used by or in contact with humans, pets, horses, livestock, birds, or wildlife.

**I. For control of mosquito larvae in the following non-crop sites:**

<b><u>Habitat</u></b>	<b><u>Rate Range</u></b>
<b>Wastewater:</b> Sewage effluent, sewage lagoons, oxidation ponds, septic ditches, animal waste lagoons, impound wastewater associated with fruit and vegetable processing.	5-20 lbs/acre*
<b>Storm Water/Draining Systems:</b> Storm sewers, catch basins, drainage ditches, roadside ditches, retention, detention, and seepage ponds.	5-20 lbs/acre*
<b>Marine/Coastal Areas:</b> Tidal water, salt marshes, mangroves, estuaries	5-20 lbs/acre*



**Water Bodies:**

Natural and manmade aquatic sites such as lakes, ponds, canals, rivers and streams (including river & stream edges), floodplains, swamps, marshes, irrigation ditches, flood water, woodland pools, snow melt pools and livestock watering ponds and troughs. 5-20 lbs/acre\*

**Waste Tires:**

Tires stockpiled in dumps, landfills, recycling plants, and other 20-80 lbs/acre<sup>1</sup>

<sup>(1)</sup> 0.5 – 2 lbs / 1000 sq. ft.

**II. For the control of mosquito larvae in agricultural / crop sites where mosquito breeding occurs.**

**Habitat Rate Range**

Rice fields, pastures/hay fields, orchards (including citrus groves, peaches, almonds, dates, walnuts) asparagus fields, corn fields, cotton fields, alfalfa fields, vineyards. 5-20 lbs/acre\*

Apply uniformly by aerial or conventional ground equipments. Reapply as needed (after 1-4 weeks under typical environmental conditions).

\* Use higher rates (10-20 lbs/acre) in areas where 4<sup>th</sup> instar *Aedes* or *Ochlerotatus* spp. larvae predominate, or very high densities of late instar larvae are present, or under conditions where local experience indicates the need for higher rates to achieve extended residual control

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator and the treatment coordinator are responsible for considering all these factors when making decisions.

**Warranty and Disclaimer**

To the fullest extent permitted by law, seller makes no warranty, express or implied, of merchantability, fitness or other wise concerning the use of this product other than as indicated on the label, User assumes all risk of use, storage or handling not in strict accordance with the accompanying directions.

10/30

**V60035 WSP**  
**Water Soluble Pouches**  
**Biological Larvicide**  
{ Alternate Brand Name: **VectoMax WSP** }

(Sub-label B)

For Organic Production

**ACTIVE INGREDIENTS:**

<i>Bacillus sphaericus</i> Serotype H5a5b, Strain 2362 Fermentation Solids, Spores and Insecticidal Toxins.....	2.7%
<i>Bacillus thuringiensis</i> subsp. <i>israelensis</i> Serotype H-14, Strain AM65-52 Fermentation Solids, Spores, and Insecticidal Toxins.....	4.5%
<b>OTHER INGREDIENTS</b> .....	92.8%
<b>TOTAL</b> .....	100.0%

Potency: This product contains 50 BsITU/mg or 0.023 Billion BsITU/lb  
Expiration Date: (Two years from date of manufacture).

The percent active ingredient does not indicate product performance and potency  
measurements are not federally standardized.

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

PATENT PENDING

Valent BioSciences Corporation  
870 Technology Way  
Libertyville, IL 60048

EPA Registration No. 73049-429  
EPQ Est. No. 33762-IA-001  
Net Weight:  
Lot No.

11/30

<b>FIRST AID</b>	
If in eyes	<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>
If on skin or Clothing	<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 treatment advice.</li></ul>
<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 1-877-315-9819 (24 hours) for emergency medical treatment and/or transport emergency information. For all other information, call 1-800-323-9597	

## **PRECAUTIONARY STATEMENTS**

### **HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS**

#### **CAUTION**

Harmful if inhaled or absorbed through the skin. Causes moderate eye irritation. Prolonged or frequent skin contact may cause allergic reactions in some individuals. Avoid breathing dust. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

#### **Environmental Hazards**

Do not apply directly to treated, finished drinking water reservoirs or drinking water receptacles when the water is intended for human consumption.

#### **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

12/30

## Storage and Disposal

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

### **PESTICIDE STORAGE**

Store in a cool, dry place.

### **PESTICIDE DISPOSAL**

To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

### **CONTAINER DISPOSAL**

Nonrefillable container. Do not reuse or refill this container. Completely empty bag into applications equipment by shaking and tapping sides and bottom to loosen clinging particles. Then offer for recycling if available or dispose of empty bag in sanitary landfill or by incineration. Do not burn, unless allowed by State and local ordinances.

## DIRECTIONS FOR USE

**VECOMAX WATER SOLUBLE POUCHES (WSP):** Once the foil bag containing Water Soluble Pouches is opened, Minimize exposure of WSP to humidity.

### **APPLICATION DIRECTIONS**

#### **MOSQUITO CONTROL**

VectoMax WSP is a selective microbial insecticide for use against mosquito larvae in a variety of habitats. VectoMax WSP can be applied to areas that contain fish, other aquatic life and plants. VectoMax WSP can be applied to areas used by or in contact with humans, pets, horses, livestock, birds, or wildlife.

13/30

**I. For control of mosquito larvae in the following sites:**

<b>Habitat</b>	<b>Rate Range</b>	
<b>Drainage/ Drainage Systems<sup>1</sup>:</b>		
Catch basins and storm drains	1 pouch/50 sq. ft.	
<b>Treatment Areas (For Use in)<sup>2</sup>:</b>		
Ponds	Flood water	Abandoned swimming pools
Lagoons	Standing water	Unused swimming pools or spas
Hollow trees	Storm water	Flooded basements
and tree holes	retention areas	Pool covers
Urns	Birdbaths	Gutters and drains
Rain barrels	Fountains	Wheelbarrows
Livestock watering troughs/ ponds/tanks	Flowerpots and planters	Garbage cans and covers
Irrigation ditches	Snowmelt pools	Discarded tires
Roadside ditches	Septic tanks	
Water gardens		
Impounded wastewater associated with fruit and vegetable processing		
Retention, detention and seepage ponds		
Animal waste lagoons		

Any location where water accumulates and remains standing for periods of time, except treated, finished drinking water for human consumption.

<sup>(1)</sup> Treat on basis of surface area of potential mosquito breeding sites by placing one (1) VectoMax Water Soluble Pouch for up to 50 square feet of treatment area. Re-apply as needed (after 1-4 weeks under typical environmental conditions).

<sup>(2)</sup> Treat on basis of surface area of potential mosquito breeding sites by placing one (1) VectoMax Water Soluble Pouch for up to 50 square feet of treatment area. Re-apply as needed (after 1-4 weeks under typical environmental conditions).

Longer periods of mosquito population suppression may result where sufficient numbers of non-target aquatic invertebrate parasites and predators are present since these are not affected by product and contribute to mosquito population reduction.

**Warranty and Disclaimer**

To the fullest extent permitted by law, seller makes no warranty, express or implied, of merchantability, fitness or other wise concerning the use of this product other than as indicated on the label, User assumes all risk of use, storage or handling not in strict accordance with the accompanying directions.

14/30

**VectoMax G**

**Biological Larvicide / Granules**

(Sub-label C)

For Organic Production

**ACTIVE INGREDIENTS:**

<i>Bacillus sphaericus</i> Serotype H5a5b, Strain 2362 Fermentation Solids, Spores and Insecticidal Toxins.....	2.7%
<i>Bacillus thuringiensis</i> subsp. <i>israelensis</i> Serotype H-14, Strain AM65-52 Fermentation Solids, Spores, and Insecticidal Toxins.....	4.5%
<b>OTHER INGREDIENTS</b> .....	92.8%
<b>TOTAL</b> .....	100.0%

Potency: This product contains 50 BsITU/mg or 0.023 Billion BsITU/lb  
Expiration Date: (Two years from date of manufacture).

The percent active ingredient does not indicate product performance and potency measurements are not federally standardized.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

PATENT PENDING

Valent BioSciences Corporation  
870 Technology Way  
Libertyville, IL 60048

EPA Registration No. 73049-429  
EPQ Est. No. 33762-IA-001  
Net Weight:  
Lot No.

15/30

<b>FIRST AID</b>	
If in eyes	<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>
If on skin or Clothing	<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 treatment advice.</li> </ul>
If inhaled	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<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 1-877-315-9819 (24 hours) for emergency medical treatment and/or transport emergency information. For all other information, call 1-800-323-9597	

## **PRECAUTIONARY STATEMENTS**

### **HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS**

#### **CAUTION**

Harmful if inhaled or absorbed through the skin. Causes moderate eye irritation. Prolonged or frequent skin contact may cause allergic reactions in some individuals. Avoid breathing dust. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Mixers/loaders and applicators not in enclosed cabs or aircraft, must wear a dust/mist filtering respirator meeting NIOSH standards of a least N-95, R-95, or P-95. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitizations.

#### **Environmental Hazards**

Do not apply directly to treated, finished drinking water reservoirs or drinking water receptacles when the water is intended for human consumption.

16/30

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**Storage and Disposal**

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

**PESTICIDE STORAGE**

Store in a cool, dry place.

**PESTICIDE DISPOSAL**

To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

**CONTAINER DISPOSAL**

Nonrefillable container. Do not reuse or refill this container. Completely empty bag into applications equipment by shaking and tapping sides and bottom to loosen clinging particles. Then offer for recycling if available or dispose of empty bag in sanitary landfill or by incineration. Do not burn, unless allowed by State and local ordinances.

**DIRECTIONS FOR USE**

**APPLICATION DIRECTIONS**

**MOSQUITO CONTROL**

VectoMax G is a selective microbial insecticide for use against mosquito larvae in a variety of habitats. VectoMax G can be applied to areas that contain fish, other aquatic life and plants. VectoMax G can be applied to areas used by or in contact with humans, pets, horses, livestock, birds, or wildlife.

**I. For control of mosquito larvae in the following non-crop sites:**

<b>Habitat</b>	<b>Rate Range</b>
<b>Wastewater:</b> Sewage effluent, sewage lagoons, oxidation ponds, septic ditches, animal waste lagoons, impound wastewater associated with fruit and vegetable processing.	5-20 lbs/acre*
<b>Storm Water/Draining Systems:</b> Storm sewers, catch basins, drainage ditches, roadside ditches, retention, detention, and seepage ponds.	5-20 lbs/acre*
<b>Marine/Coastal Areas:</b> Tidal water, salt marshes, mangroves, estuaries	5-20 lbs/acre*



17/30

**Water Bodies:**

Natural and manmade aquatic sites such as lakes, ponds, canals, rivers and streams (including river & stream edges), floodplains, swamps, marshes, irrigation ditches, flood water, woodland pools, snow melt pools and livestock watering ponds and troughs. 5-20 lbs/acre\*

**Waste Tires:**

Tires stockpiled in dumps, landfills, recycling plants, and other 20-80 lbs/acre<sup>1</sup>

<sup>(1)</sup> 0.5 – 2 lbs / 1000 sq. ft.

**II. For the control of mosquito larvae in agricultural / crop sites where mosquito breeding occurs.**

**Habitat Rate Range**

Rice fields, pastures/hay fields, orchards (including citrus groves, peaches, almonds, dates, walnuts) asparagus fields, corn fields, cotton fields, alfalfa fields, vineyards. 5-20 lbs/acre\*

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\* Use higher rates (10-20 lbs/acre) in areas where 4<sup>th</sup> instar *Aedes* or *Ochlerotatus* spp. larvae predominate, or very high densities of late instar larvae are present, or under conditions where local experience indicates the need for higher rates to achieve extended residual control

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**Warranty and Disclaimer**

To the fullest extent permitted by law, seller makes no warranty, express or implied, of merchantability, fitness or other wise concerning the use of this product other than as indicated on the label, User assumes all risk of use, storage or handling not in strict accordance with the accompanying directions.

18/30

# V60035 CG Biological Larvicide

{Alternate Bran Names: VectoMax CG, V60035 Water Soluble Pouch (WSP),  
VectoMax WSP, VectoMax G}

## MASTER LABEL

## NOTIFICATION

Sub-label A: VectoMax CG – Alternate Brand Name  
Sub-label B: VectoMax WSP – Alternate Brand Name  
Sub-label C: VectoMax G – Alternate Brand Name

Date Reviewed: 4-30-08  
Reviewed By: D. Hudson

### Active Ingredients:

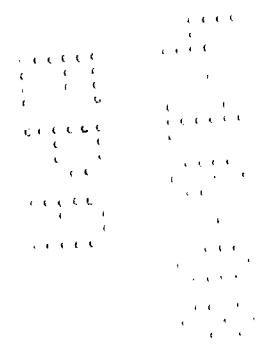
<i>Bacillus sphaericus</i> Serotype H5a5b, Strain 2362 Fermentation Solids, Spores and Insecticidal Toxins.....	2.7%
<i>Bacillus thuringiensis</i> subsp. <i>israelensis</i> Serotype H-14, Strain AM65-52 Fermentation Solids, Spores, and Insecticidal Toxins.....	4.5%
<b>Other Ingredients</b> .....	92.8%
<b>Total</b> .....	100.0%

Potency: This product contains 50 BsITU/mg or 0.023 Billion BsITU/lb

The percent active ingredient does not indicate product performance and potency  
measurements are not federally standardized.

EPA Registration No. 73049-429  
EPQ Est. No. 33762-IA-001

Valent BioSciences Corporation  
870 Technology Way  
Libertyville, IL 60048



19/30

**VectoMax CG**

**Biological Larvicide**

(Sub-label A)

For Organic Production

**ACTIVE INGREDIENTS:**

<i>Bacillus sphaericus</i> Serotype H5a5b, Strain 2362 Fermentation Solids, Spores and Insecticidal Toxins.....	2.7%
<i>Bacillus thuringiensis</i> subsp. <i>israelensis</i> Serotype H-14, Strain AM65-52 Fermentaion Solids, Spores, and Insecticidal Toxins.....	4.5%
<b>OTHER INGREDIENTS</b> .....	92.8%
<b>TOTAL</b> .....	100.0%

Potency: This product contains 50 BsITU/mg or 0.023 Billion BsITU/lb  
Expiration Date: (Two years from date of manufacture).

The percent active ingredient does not indicate product performance and potency  
measurements are not federally standardized.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

PATENT PENDING

Valent BioSciences Corporation  
870 Technology Way  
Libertyville, IL 60048

EPA Registration No. 73049-429  
EPQ Est. No. 33762-IA-001  
Net Weight:  
Lot No.

20/30

<b>FIRST AID</b>	
If in eyes	<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>
If on skin or Clothing	<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 treatment advice.</li> </ul>
If inhaled	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<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 1-877-315-9819 (24 hours) for emergency medical treatment and/or transport emergency information. For all other information, call 1-800-323-9597	

## PRECAUTIONARY STATEMENTS

### HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS

#### **CAUTION**

Harmful if inhaled or absorbed through the skin. Causes moderate eye irritation. Prolonged or frequent skin contact may cause allergic reactions in some individuals. Avoid breathing dust. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Mixers/loaders and applicators not in enclosed cabs or aircraft, must wear a dust/mist filtering respirator meeting NIOSH standards of a least N-95, R-95, or P-95. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitizations.

#### **Environmental Hazards**

Do not apply directly to treated, finished drinking water reservoirs or drinking water receptacles when the water is intended for human consumption.

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### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

#### Storage and Disposal

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

##### PESTICIDE STORAGE

Store in a cool, dry place.

##### PESTICIDE DISPOSAL

To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

##### CONTAINER DISPOSAL

Nonrefillable container. Do not reuse or refill this container. Completely empty bag into applications equipment by shaking and tapping sides and bottom to loosen clinging particles. Then offer for recycling if available or dispose of empty bag in sanitary landfill or by incineration. Do not burn, unless allowed by State and local ordinances.

### DIRECTIONS FOR USE

#### APPLICATION DIRECTIONS

##### MOSQUITO CONTROL

VectoMax CG is a selective microbial insecticide for use against mosquito larvae in a variety of habitats. VectoMax CG can be applied to areas that contain fish, other aquatic life and plants. VectoMax CG can be applied to areas used by or in contact with humans, pets, horses, livestock, birds, or wildlife.

#### I. For control of mosquito larvae in the following non-crop sites:

<u>Habitat</u>	<u>Rate Range</u>
<b>Wastewater:</b> Sewage effluent, sewage lagoons, oxidation ponds, septic ditches, animal waste lagoons, impound wastewater associated with fruit and vegetable processing.	5-20 lbs/acre*
<b>Storm Water/Draining Systems:</b> Storm sewers, catch basins, drainage ditches, roadside ditches, retention, detention, and seepage ponds.	5-20 lbs/acre*
<b>Marine/Coastal Areas:</b> Tidal water, salt marshes, mangroves, estuaries	5-20 lbs/acre*

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**Water Bodies:**

Natural and manmade aquatic sites such as lakes, ponds, canals, rivers and streams (including river & stream edges), floodplains, swamps, marshes, irrigation ditches, flood water, woodland pools, snow melt pools and livestock watering ponds and troughs. 5-20 lbs/acre\*

**Waste Tires:**

Tires stockpiled in dumps, landfills, recycling plants, and other 20-80 lbs/acre<sup>1</sup>

<sup>(1)</sup> 0.5 – 2 lbs / 1000 sq. ft.

**II. For the control of mosquito larvae in agricultural / crop sites where mosquito breeding occurs.**

<u>Habitat</u>	<u>Rate Range</u>
Rice fields, pastures/hay fields, orchards (including citrus groves, peaches, almonds, dates, walnuts) asparagus fields, corn fields, cotton fields, alfalfa fields, vineyards.	5-20 lbs/acre*

Apply uniformly by aerial or conventional ground equipments. Reapply as needed (after 1-4 weeks under typical environmental conditions).

\* Use higher rates (10-20 lbs/acre) in areas where 4<sup>th</sup> instar *Aedes* or *Ochlerotatus* spp. larvae predominate, or very high densities of late instar larvae are present, or under conditions where local experience indicates the need for higher rates to achieve extended residual control

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator and the treatment coordinator are responsible for considering all these factors when making decisions.

**Warranty and Disclaimer**

To the fullest extent permitted by law, seller makes no warranty, express or implied, of merchantability, fitness or other wise concerning the use of this product other than as indicated on the label, User assumes all risk of use, storage or handling not in strict accordance with the accompanying directions.

23/30

**V60035 WSP**  
**Water Soluble Pouches**  
**Biological Larvicide**  
{Alternate Brand Name: VectoMax WSP}

(Sub-label B)

For Organic Production

**ACTIVE INGREDIENTS:**

<i>Bacillus sphaericus</i> Serotype H5a5b, Strain 2362 Fermentation Solids, Spores and Insecticidal Toxins.....	2.7%
<i>Bacillus thuringiensis</i> subsp. <i>israelensis</i> Serotype H-14, Strain AM65-52 Fermentation Solids, Spores, and Insecticidal Toxins.....	4.5%
<b>OTHER INGREDIENTS</b> .....	92.8%
<b>TOTAL</b> .....	100.0%

Potency: This product contains 50 BsITU/mg or 0.023 Billion BsITU/lb  
Expiration Date: (Two years from date of manufacture).

The percent active ingredient does not indicate product performance and potency measurements are not federally standardized.

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

PATENT PENDING

Valent BioSciences Corporation  
870 Technology Way  
Libertyville, IL 60048

EPA Registration No. 73049-429  
EPQ Est. No. 33762-IA-001  
Net Weight:  
Lot No.

24/30

<b>FIRST AID</b>	
If in eyes	<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>
If on skin or Clothing	<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 treatment advice.</li> </ul>
<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 1-877-315-9819 (24 hours) for emergency medical treatment and/or transport emergency information. For all other information, call 1-800-323-9597	

## PRECAUTIONARY STATEMENTS

### HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Harmful if inhaled or absorbed through the skin. Causes moderate eye irritation. Prolonged or frequent skin contact may cause allergic reactions in some individuals. Avoid breathing dust. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

#### Environmental Hazards

Do not apply directly to treated, finished drinking water reservoirs or drinking water receptacles when the water is intended for human consumption.

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.



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### **Storage and Disposal**

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

#### **PESTICIDE STORAGE**

Store in a cool, dry place.

#### **PESTICIDE DISPOSAL**

To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

#### **CONTAINER DISPOSAL**

Nonrefillable container. Do not reuse or refill this container. Completely empty bag into applications equipment by shaking and tapping sides and bottom to loosen clinging particles. Then offer for recycling if available or dispose of empty bag in sanitary landfill or by incineration. Do not burn, unless allowed by State and local ordinances.

### **DIRECTIONS FOR USE**

**VECOMAX WATER SOLUBLE POUCHES (WSP):** Once the foil bag containing Water Soluble Pouches is opened, Minimize exposure of WSP to humidity.

#### **APPLICATION DIRECTIONS**

##### **MOSQUITO CONTROL**

VectoMax WSP is a selective microbial insecticide for use against mosquito larvae in a variety of habitats. VectoMax WSP can be applied to areas that contain fish, other aquatic life and plants. VectoMax WSP can be applied to areas used by or in contact with humans, pets, horses, livestock, birds, or wildlife.

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**I. For control of mosquito larvae in the following sites:**

<u>Habitat</u>	<u>Rate Range</u>	
<b>Drainage/ Drainage Systems<sup>1</sup>:</b>		
Catch basins and storm drains	1 pouch/50 sq. ft.	
<b>Treatment Areas (For Use in)<sup>2</sup>:</b>		
Ponds	Flood water	Abandoned swimming pools
Lagoons	Standing water	Unused swimming pools or spas
Hollow trees	Storm water	Flooded basements
and tree holes	retention areas	Pool covers
Urns	Birdbaths	Gutters and drains
Rain barrels	Fountains	Wheelbarrows
Livestock watering troughs/ ponds/tanks	Flowerpots and planters	Garbage cans and covers
Irrigation ditches	Snowmelt pools	Discarded tires
Roadside ditches	Septic tanks	
Water gardens		
Impounded wastewater associated with fruit and vegetable processing		
Retention, detention and seepage ponds		
Animal waste lagoons		

Any location where water accumulates and remains standing for periods of time, except treated, finished drinking water for human consumption.

<sup>(1)</sup> Treat on basis of surface area of potential mosquito breeding sites by placing one (1) VectoMax Water Soluble Pouch for up to 50 square feet of treatment area. Re-apply as needed (after 1-4 weeks under typical environmental conditions).

<sup>(2)</sup> Treat on basis of surface area of potential mosquito breeding sites by placing one (1) VectoMax Water Soluble Pouch for up to 50 square feet of treatment area. Re-apply as needed (after 1-4 weeks under typical environmental conditions).

Longer periods of mosquito population suppression may result where sufficient numbers of non-target aquatic invertebrate parasites and predators are present since these are not affected by product and contribute to mosquito population reduction.

**Warranty and Disclaimer**

To the fullest extent permitted by law, seller makes no warranty, express or implied, of merchantability, fitness or other wise concerning the use of this product other than as indicated on the label, User assumes all risk of use, storage or handling not in strict accordance with the accompanying directions.

27/30

**VectoMax G**

**Biological Larvicide / Granules**

(Sub-label C)

For Organic Production

**ACTIVE INGREDIENTS:**

<i>Bacillus sphaericus</i> Serotype H5a5b, Strain 2362 Fermentation Solids, Spores and Insecticidal Toxins.....	2.7%
<i>Bacillus thuringiensis</i> subsp. <i>israelensis</i> Serotype H-14, Strain AM65-52 Fermentation Solids, Spores, and Insecticidal Toxins.....	4.5%
<b>OTHER INGREDIENTS</b> .....	92.8%
<b>TOTAL</b> .....	100.0%

Potency: This product contains 50 BsITU/mg or 0.023 Billion BsITU/lb  
Expiration Date: (Two years from date of manufacture).

The percent active ingredient does not indicate product performance and potency measurements are not federally standardized.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

PATENT PENDING

Valent BioSciences Corporation  
870 Technology Way  
Libertyville, IL 60048

EPA Registration No. 73049-429  
EPQ Est. No. 33762-IA-001  
Net Weight:  
Lot No.

28/30

<b>FIRST AID</b>	
If in eyes	<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>
If on skin or Clothing	<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 treatment advice.</li> </ul>
If inhaled	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<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 1-877-315-9819 (24 hours) for emergency medical treatment and/or transport emergency information. For all other information, call 1-800-323-9597	

## PRECAUTIONARY STATEMENTS

### HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Harmful if inhaled or absorbed through the skin. Causes moderate eye irritation. Prolonged or frequent skin contact may cause allergic reactions in some individuals. Avoid breathing dust. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Mixers/loaders and applicators not in enclosed cabs or aircraft, must wear a dust/mist filtering respirator meeting NIOSH standards of a least N-95, R-95, or P-95. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitizations.

#### Environmental Hazards

Do not apply directly to treated, finished drinking water reservoirs or drinking water receptacles when the water is intended for human consumption.

29/30

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

#### Storage and Disposal

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

##### PESTICIDE STORAGE

Store in a cool, dry place.

##### PESTICIDE DISPOSAL

To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

##### CONTAINER DISPOSAL

Nonrefillable container. Do not reuse or refill this container. Completely empty bag into applications equipment by shaking and tapping sides and bottom to loosen clinging particles. Then offer for recycling if available or dispose of empty bag in sanitary landfill or by incineration. Do not burn, unless allowed by State and local ordinances.

### DIRECTIONS FOR USE

#### APPLICATION DIRECTIONS

##### MOSQUITO CONTROL

VectoMax G is a selective microbial insecticide for use against mosquito larvae in a variety of habitats. VectoMax G can be applied to areas that contain fish, other aquatic life and plants. VectoMax G can be applied to areas used by or in contact with humans, pets, horses, livestock, birds, or wildlife.

##### I. For control of mosquito larvae in the following non-crop sites:

<u>Habitat</u>	<u>Rate Range</u>
<b>Wastewater:</b> Sewage effluent, sewage lagoons, oxidation ponds, septic ditches, animal waste lagoons, impound wastewater associated with fruit and vegetable processing.	5-20 lbs/acre*
<b>Storm Water/Draining Systems:</b> Storm sewers, catch basins, drainage ditches, roadside ditches, retention, detention, and seepage ponds.	5-20 lbs/acre*
<b>Marine/Coastal Areas:</b> Tidal water, salt marshes, mangroves, estuaries	5-20 lbs/acre*

30/30

**Water Bodies:**

Natural and manmade aquatic sites such as lakes, ponds, canals, rivers and streams (including river & stream edges), floodplains, swamps, marshes, irrigation ditches, flood water, woodland pools, snow melt pools and livestock watering ponds and troughs. 5-20 lbs/acre\*

**Waste Tires:**

Tires stockpiled in dumps, landfills, recycling plants, and other 20-80 lbs/acre<sup>1</sup>

<sup>(1)</sup> 0.5 – 2 lbs / 1000 sq. ft.

**II. For the control of mosquito larvae in agricultural / crop sites where mosquito breeding occurs.**

<u>Habitat</u>	<u>Rate Range</u>
Rice fields, pastures/hay fields, orchards (including citrus groves, peaches, almonds, dates, walnuts) asparagus fields, corn fields, cotton fields, alfalfa fields, vineyards.	5-20 lbs/acre*

Apply uniformly by aerial or conventional ground equipments. Reapply as needed (after 1-4 weeks under typical environmental conditions).

\* Use higher rates (10-20 lbs/acre) in areas where 4<sup>th</sup> instar *Aedes* or *Ochlerotatus* spp. larvae predominate, or very high densities of late instar larvae are present, or under conditions where local experience indicates the need for higher rates to achieve extended residual control

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator and the treatment coordinator are responsible for considering all these factors when making decisions.

**Warranty and Disclaimer**

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