



# CITY OF MOORPARK

COMMUNITY DEVELOPMENT DEPT. | 799 Moorpark Avenue, Moorpark, CA 93021  
Main City Phone Number (805) 517-6200 | Fax (805) 532-2550 | [www.moorparkca.gov](http://www.moorparkca.gov)

## The City of Moorpark Vector Control Division 2014 NPDES Annual Report

**Order # 2011-0002-DWQ**

**NPDES # CAG 990004**

**Enrollee # 456AP00001**

### 1. **Annual Report**

#### a. Staff Summary

The City of Moorpark Vector Control Division complied with the applicable components of the General NPDES Permit for Biological and Residual Pesticide Discharges from Vector Control Applications (General Permit). The Division used five different larvicide products for mosquito control in 2014. Copies of the labels for each larvicide, along with the total number of applications for each product and total quantity used in 2013 and 2014 are listed in the data table on Attachment 1. A map showing the boundaries of the City of Moorpark is included on Attachment 2. All 2014 pesticide applications made by the Division occurred within these boundaries. Applications to possible "Waters of the US" are marked with a red dot on the map along with the source number treated. No adulticide applications were made during 2014. The District is a member of the MVCAC NPDES Permit Coalition and the Coalition Annual Report will be sent separately to the SWRCB and Regional Boards.

A table showing all fifty-three currently known active mosquito sources is shown on Attachment 3. Also listed on Attachment 3 is a table of all 2014 Division applications to potential "Waters of the US". The Division continued to follow the guidelines of its PAP. The visual monitoring completed by the District staff last year found that there was no observable change in water quality before and after any applications.

- b. Summary of Monitoring Data  
The district continues to self-monitor each year for any adverse impacts arising from pesticide applications to mosquito sources. No adverse impacts from vector control applications were noticed or reported by any of the individual applicators or reported from other sources such as the public or enforcement/monitoring agencies such as Ventura County Agricultural Commission or Ventura County Watershed Management. No non-compliant applications were performed. The MVCAC coalition report will provide information on the incidence of West Nile virus and other similar public health threats in the Coalition's annual report.
- c. BMP Identification  
BMP's utilized by the Division are outlined in the Division's PAP. These include: emphasis on reducing mosquito breeding habitat through non-chemical means, training employees to prevent spills and applying appropriate amount of chemical in each treatment area, calibrating application equipment and use of a biological based assessment for determining treatment thresholds. The Division has been able to currently reduce the number of active mosquito sources from a variety of source reduction methods outlined in the PAP. There are currently 53 active mosquito sources listed in Moorpark at the end of 2014, compared to 115 active mosquito sources in Moorpark in 2002.
- d. Violation Discussion  
No violations of the General Permit were observed.
- e. Map of Applications  
See Attachment 2. Applications to possible "Waters of the US" are indicated with a red dot.
- f. Log of Applications made to Waters of the U.S.  
Attachment 3 includes a table/log showing applications to possible "Waters of the US".
- g. General Information on Applications  
Dosage, concentration and quantity of each pesticide used are derived from the individual pesticide labels. All Division Vector Control staff are licensed through a cooperative agreement with the California Department of Public Health (CDPH). Division staff applies pesticides according to label directions included.
- h. Visual Monitoring Data  
No adverse impacts from vector control applications were noticed or reported by any of the individual applicators.
- i. BMP, PAP, Monitoring Program Recommendations  
The Division last amended its PAP on July 15, 2014. A copy of this is also included with this report. There were no recommendations suggested for the monitoring plan.
- j. Pesticide Application Log made to Waters of the U.S.  
A representation of the pesticide application log is contained in Attachment 3.

k. Updated PAP Components

The Division last reviewed and updated its PAP on January 29, 2015. A copy of this is also included with this report.

l. MVCAC NPDES Permit Coalition 2014 Annual Report

The Coalition Monitoring Annual Report will summarize the direction and outcome of the conversations between the MVCAC and the SWRCB on potential changes to the Vector Control Permit.

Attachment 1

<b>Annual Pesticides Used</b>					
<b>Product</b>	<b>Registration Number</b>	<b>2013 Apps.</b>	<b>2013 Oz.</b>	<b>2014 Apps.</b>	<b>2014 Oz.</b>
Agnique MMF G	53263-30	14	8.85	5	6.80
Altosid Pellets	2724-448	14	68.10	28	575.00
Fourstar Briquets	83362-3	39	73.08	24	34.55
Golden Bear 1111	8329-72	224	964.30	291	1,448.80
VectoMax "CG"/"FG"	73049-429	35	165.60	22	211.00
<b>Product</b>	<b>Total</b>	<b>326</b>	<b>1,279.33</b>	<b>370</b>	<b>2,276.15</b>

- The larvicide Vectomax "CG" was renamed Vectomax "FG" by the manufacturer.

# AGNIQUE<sup>®</sup> MMF

## MOSQUITO LARVICIDE & PUPICIDE

Monomolecular Surface Film for Control of Immature Mosquitoes and Midges

**CAN BE USED IN:** • Habitats Containing Birds, Fish, Pets and Wildlife  
• Ponds • Pools • Ditches • Irrigation Water • Potable Water Containers  
• Flood Water Areas • Other Areas Where Mosquitoes Breed and Develop



### ACTIVE INGREDIENT

Poly (oxy-1,2-ethanediyl),  $\alpha$ -(C16-20 branched and linear alkyl)- $\omega$ -hydroxy (100%)

### KEEP OUT OF REACH OF CHILDREN

### CAUTION

FIRST AID (TREATMENT)	
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with plenty of 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>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMAN AND DOMESTIC ANIMALS

**CAUTION:** Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.  
**Pesticide Storage:** Do not allow storage containers to rust. Rust contaminants may clog spray nozzles. Do not allow product to freeze.

**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:** Triple rinse, then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by state or local authorities.

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. To be used in governmental mosquito control program, by professional pest control operators, by homeowners, or in other mosquito or midge control operations.

### APPLICATION DIRECTIONS

This product may be applied by both ground and aerial applications. To use, calculate the desired rate based on water surface area. The water depth is not a factor in rate determination. Spray the desired rate of AGNIQUE<sup>®</sup> MMF onto the surface of the water. No dilution is required and a fan spray is recommended. The MMF will spread to cover hard to access areas. For large areas with dense vegetation it is recommended that application is made in several locations to assist in the spreading action. Do not pour or inject a stream spray directly into water. AGNIQUE<sup>®</sup> MMF is not visible on the surface of the water. Excess MMF on the water surface will form a white globule.

### NOTICE

Cognis Corporation 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, storage or handling not in strict accordance with the label.



#### Cognis Corporation

4900 Este Avenue  
Cincinnati, OH 45232-1419  
1-800-254-1029

24 HOUR EMERGENCY PHONE  
CHEMTREC 1-888-329-2626

For information on this pesticide product (including health) concerns, medical emergencies or pesticide incidents, call the National Pesticide Telecommunication Network at 1-800-858-7378.

EPA Reg. No. 53263-28      EPA Est. No. 6574-KY-001

© 2004, Cognis Corporation

# SPECIMEN LABEL

# AGNIQUE<sup>®</sup> MMF

## MOSQUITO LARVICIDE & PUPICIDE

Stop Mosquitoes  
Before They Start



### APPLICATION SITES

This product is for the control of immature mosquitoes and midges in areas where they breed and develop. This product may be used in habitats including potable water and irrigation waters, permanent and semi-permanent waters, irrigated croplands and pastures, and waters with outlets to natural water bodies. The following habitats provide examples of where the product can be applied but is not intended to be all inclusive.

**Polluted Waters:** Sewage lagoons, percolation ponds, animal waste effluent lagoons, septic ditches, waste treatment facility areas, etc.

**Fresh and Brackish Water:** fresh water and salt marshes, ponds, lakes, storm water, drainage systems and retention & detention basins, roadside ditches, grassy swales, flooded fields and pastures, potable water containers, reservoirs, irrigated croplands, temporary and semi-permanent woodland pools, tidal water, and other areas where water accumulates.

**Residential Areas:** Ponds, storm water basins, tree holes, rain barrels, landscape and ornamental ponds, tires, storm drains, stationary flower pots, pot holes, gutters, tarps, potable water containers and residential areas where water accumulates and provides ideal breeding habitats for mosquitoes or midges. **Not for Homeowner Use in the State of New York.**

Application Rates	Suggested Rate Range	
	MOSQUITO HABITAT	MIDGE HABITAT
Fresh and Brackish Water*	0.2 – 1.0 gallons/acre* 2 – 10 liters/hectare*	0.5 – 1.0 gallons/acre^ 5 – 10 liters/hectare^
Polluted Waters**	0.35 – 1.0 gallons/acre** 3.5 – 10 liters/hectare**	0.5 – 1.0 gallons/acre^ 5 – 10 liters/hectare^

\* The lower rate (0.2 gallons/acre) is recommended when only pupae control is desired and in sites with no emergent vegetation and low organic content  
 \* Use higher rates when emergent or surface vegetation is present, due to the wicking action of the product. The more vegetation or the drier the vegetation, the higher the required rate.  
 \*\* Use higher rates in polluted water habitats for effective control  
 ^ Reapplication is recommended every two weeks during the midge season

*(Suggested application rates for the trigger applicator spray bottle)*

Surface Area of Standing Water	Suggested Quantity of AGNIQUE <sup>®</sup> MMF
1 to 75 square feet	One full trigger application of the spray bottle containing AGNIQUE <sup>®</sup> MMF*
75 – 100 square feet	Two full trigger applications of the spray bottle containing AGNIQUE <sup>®</sup> MMF*
Every additional 100 square feet	Two to three full trigger applications of the spray bottle containing AGNIQUE <sup>®</sup> MMF*
1,000 square feet	20 – 25 full trigger applications (1 – 1.5 oz.)

\* The application rate can vary between 1 and 3.0 oz. per 1000 sq. ft. (0.1 to 0.3 oz. / 100 sq. ft.). Maximum application rate is 3.0 oz per 1000 sq. ft.

### APPLICATION NOTES

**Rate of Kill:** The rate of kill when using MMF is dependent on the species, the life stage, the habitat and the temperature. Pupicidal action will typically result in 24 hours. Larvicidal action will usually result in 24-96 hours. If the film is present, control will be achieved.

**Persistence:** The AGNIQUE<sup>®</sup> MMF surface film typically persists on the water's surface for 5 to 22 days. Polluted waters will cause more rapid degradation of the film. Higher application rates will prolong film life and extend the interval between retreatment.

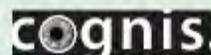
**Species:** Mosquitoes and midges that require little or no surface contact for breathing will be affected by the product during the pupae and emerging adult life stages.

**Wind:** The high end of the dosage rate is recommended when spraying habitats where multi-directional winds of 10mph (16km/hr) or greater are expected to persist. While the film will be pushed by the winds, it will re-spread quickly once the winds have subsided. If persistent unidirectional winds of 10 mph (16km/hr) or greater are expected, the displacement of the surface film may result in poor control.

**Spray Tanks:** Thoroughly clean and dry the spray system of contaminants such as petroleum oils, water, detergents and conventional toxicants prior to adding AGNIQUE<sup>®</sup> MMF. Detergents will destroy the film-forming of the AGNIQUE<sup>®</sup> MMF; other contaminants (water and oil) can result in the formation of an unsprayable paste.

**Dilution:** AGNIQUE<sup>®</sup> MMF is typically applied to the water's surface without dilution. However, if it is desired to spray higher volumes of liquid, AGNIQUE<sup>®</sup> MMF may be diluted using a high shear injection system that dilutes the MMF at the nozzle to a maximum of 10% in water. Do not add AGNIQUE<sup>®</sup> MMF to water in non-agitated spray systems. Conventional bypass recirculation will not provide adequate agitation to effectively mix MMF in water.

**Expanding Waters:** Significant expansion of the habitat's surface due to rain or tidal fluxes can be compensated for by using a dosage that is based on the largest expected surface area. This will ensure complete coverage, and eliminate the need for re-treatment of the flooded area.



Cognis Corporation  
4900 Este Avenue  
Cincinnati, OH 45232-1419  
1-800-254-1029

# SPECIMEN LABEL



# Altosid<sup>®</sup> PELLETS

## MOSQUITO GROWTH REGULATOR



**A GRANULAR PRODUCT TO PREVENT ADULT MOSQUITO EMERGENCE (INCLUDING THOSE WHICH MAY TRANSMIT WEST NILE VIRUS)**

## SPECIMEN LABEL

**ACTIVE INGREDIENT:**  
 (S)-Methoprene (CAS #65733-16-6) . . . . . 4.25%  
**OTHER INGREDIENTS:** . . . . . 95.75%  
 Total . . . . . 100.00%

EPA Reg No. 2724-448    EPA Est. No. 39578-TX-1

KEEP OUT OF REACH OF CHILDREN  
**CAUTION**

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS**  
**AND DOMESTIC ANIMALS**  
**CAUTION**

Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

<b>FIRST AID</b>	
Call a poison control center or doctor for treatment advice.	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-248-7763 for emergency medical treatment information.	

### ENVIRONMENTAL HAZARDS

Do not contaminate water when disposing of rinsate or equipment washwaters.

### DIRECTIONS FOR USE

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

### INTRODUCTION

ZOËCON<sup>®</sup> ALTOSID<sup>®</sup> Pellets (ALTOSID<sup>®</sup> Pellets) release ALTOSID<sup>®</sup> Insect Growth Regulator as they erode. ALTOSID<sup>®</sup> Pellets prevent the emergence of adult standing water mosquitoes, including *Anopheles*, *Culex*, *Culiseta*, *Coquillettidia*, and *Mansonia* spp., as well as adults of the floodwater mosquitoes such as *Aedes*, *Ochlerotatus*, and *Psorophora* spp. from treated sites.

### GENERAL DIRECTIONS

ALTOSID<sup>®</sup> Pellets release effective levels of ALTOSID<sup>®</sup> Insect Growth Regulator for up to 30 days under typical environmental conditions. Continue treatment through the last brood of the season. Treated larvae continue to develop normally to the pupal stage where they die. **NOTE:** This insect growth regulator has no effect on mosquitoes which have reached the pupal or adult stage prior to treatment.

### APPLICATION SITES AND RATES

Use lower application rates when water is shallow, vegetation and/or pollution are minimal, and insect populations are low. Use higher rates when water is deep (>2 ft), vegetation, pollution, and/or organic debris or water flow are high, and insect populations are high. In instances of high organic debris and water flow, residual activity may be diminished.

**MOSQUITO HABITAT** **RATE (LB/ACRE)**

**Floodwater sites**

Pastures, meadows, rice fields, freshwater swamps and marshes, salt and tidal marshes, cattail marshes, woodland pools, floodplains, tires, other artificial water-holding containers 2.5-5

Dredging spoil sites, waste treatment and settling ponds, ditches and other manmade depressions 5-10

**Permanent water sites**

Ornamental ponds and fountains, fish ponds, cattail marshes, water hyacinth beds, flooded crypts, transformer vaults, abandoned swimming pools, construction and other manmade depressions, treeholes, other artificial water-holding containers 2.5-5

Storm drains, catch basins, roadside ditches, cesspools, septic tanks, waste settling ponds, vegetation-choked phosphate pits 5-10

**APPLICATION METHODS**

**Mosquitoes:** Apply **ALTOSID® Pellets** up to 15 days prior to flooding, or at any stage of larval development after flooding or in permanent water sites. Fixed wing aircraft or helicopters equipped with granular spreaders capable of applying rates from 2.5 to 10 lb/acre may be used to apply **ALTOSID® Pellets**. The pellets may also be applied using ground equipment which will achieve good, even coverage at the above rates. Apply **ALTOSID® Pellets** to artificial containers such as tires and catch basins, etc.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal. Store closed containers of **ALTOSID® Pellets** in a cool, dry place.

**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 (or equivalent). Then 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.

**WARRANTY AND CONDITIONS OF SALE**

Seller makes no warranty, expressed or implied, concerning the use and handling of this product other than indicated on the label. Buyer assumes all risks of use and handling of this material when such use and handling are contrary to label instructions.

For information or in case of an emergency, call **1-800-248-7763**.

[www.altosid.com](http://www.altosid.com)

**Wellmark International**  
1501 East Woodfield Road 200W  
Schaumburg, Illinois 60173



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May, 2010  
Schaumburg, IL

# Briquets

## Specimen Label

# Sustained Release 45 Day Microbial Briquets

**ACTIVE INGREDIENTS:**

* <i>Bacillus sphaericus</i> Serotype H5a5b, strain 2362 .....	6.00%
fermentation solids, spores and insecticidal toxins	
** <i>Bacillus thuringiensis</i> subspecies <i>israelensis</i> Strain BMP 144 .....	1.00%
fermentation solids, spores and insecticidal toxins	
OTHER INGREDIENTS: .....	93.00%
TOTAL: .....	100.00%

\* Equivalent to \*60 BslTU/mg and \*\*70 ITU/mg respectively. The percent active ingredient does not indicate product performance and potency measurements are not federally standardized.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS – CAUTION:**

Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. 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. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**ENVIRONMENTAL HAZARDS:**

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

FIRST AID	
<b>If inhaled</b>	<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 poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing eyes.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information.</p>	

**DIRECTIONS FOR USE**

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

**APPLICATION DIRECTIONS**

FourStar™ Briquets are a highly selective microbial insecticide effective against mosquitoes in a variety of habitats for up to 45 days or more. FourStar Briquets release effective levels of *Bacillus sphaericus* and *Bacillus thuringiensis* subspecies *israelensis* to the water surface over time as the briquet dissolves.

**APPLICATION SITES**

FourStar Briquets can be applied to areas that contain aquatic life, fish and plants, as well as areas used by or in contact with humans, animals, horses, livestock, pets, birds or wildlife. Examples of application sites include, but are not limited to: storm drains, catch basins, underground drainage systems, storm water retention areas, retention ponds, abandoned swimming pools, ornamental fountains and ponds, fish ponds, water gardens, animal drinking troughs, standing water, water holding receptacles, man-made and natural sites where mosquitoes may develop.

**APPLICATION RATES**

For control of mosquito larvae, place one (1) briquet in sites up to 100 square feet of surface area. For large sites, apply 1 additional briquet for each additional 100 square feet of water surface, regardless of water depth. When mosquito populations are high, water is heavily polluted, and/or algae are abundant, double the above application rate.

**STORAGE AND DISPOSAL**

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

**Pesticide Storage:** Store in a cool, dry place.

**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 empty carton or packaging material. Offer for recycling if available or crush and discard carton 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**

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 label instructions.

Always read the label before using this product.

For product information, call 1-877-264-6655 or visit our web site: [www.fourstarmicrobials.com](http://www.fourstarmicrobials.com)

 Fourstar Microbials LLC,  
Sag Harbor, New York, U.S.A

Made in USA | EPA Reg. No. 83362-3  
FourStar™ is a trademark of B2E Microbials LLC  
©2009 Fourstar | U.S. Patent Pending

# Mosquito Larvicide GB-1111

## Precautionary Statements Hazards to Humans ( & Domestic Animals)

### CAUTION

Contains Petroleum Distillate

Contact May Irritate Skin.  
Causes Eye Irritation.  
Potential Inhalation Hazard.

Avoid contact with eyes, skin and clothing. Wear goggles and rubber gloves. Use with adequate ventilation. Avoid breathing vapor or spray mist. Wash thoroughly after handling. Remove contaminated clothing and wash before re-use. Respiratory protection may be required.

#### Environmental Hazards:

This product is toxic to fish and other aquatic organisms. Do not apply directly to water (except when applied for mosquito larvae control; then only around the borders of these areas and in shallow water). Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

#### Physical and Chemical Hazards:

Do not use or store near heat or open flame.

ACTIVE INGREDIENT  
Aliphatic Petroleum Hydrocarbons .....98.7%  
INERT INGREDIENTS .....1.3%

KEEP OUT OF REACH OF CHILDREN

## CAUTION

### FIRST AID

Have the following product container or label with you when calling a poison control center or doctor going for treatment. For Medical Emergencies, call the International Poison Control Center at 1-800-214-7753. If swallowed: Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

If in eyes: 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. Call a poison control center or doctor for treatment advice. If on skin: 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.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth. Call a poison control center or doctor for further treatment advice.

Note to Physician: Contains petroleum distillate. Vomiting may cause aspiration pneumonia.

E.P.A. EST. No. 8929-IL-01  
EPA Reg. No. 8329-72

Min. Net Gal. \_\_\_\_\_

Batch No. \_\_\_\_\_

For more information call:  
1-800-323-5727

## Directions for Use

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

To be used in governmental mosquito control programs and by professional pest control operators.

This product is for control of mosquito larvae in swamps, floodwater areas, and other areas where mosquitoes develop. It should be applied at normal uniform rates of 3 gal./acre or less. Under special circumstances, such as extremely dense vegetation or water of high organic content, rates to a maximum of 5 gal./acre may be used. Petroleum oils may produce an unsightly appearance and should not be used when this condition is objectionable. Use particular care to avoid damage when spraying over areas containing fish or wildlife.

## STORAGE AND DISPOSAL

Do not use, store, pour or spill near flames or excessive heat. If drum is leaking, move drum to stop the leak. Absorb spilled materials with sand, clay or vermiculite and sweep up.

#### Prohibitions:

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

#### 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:

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

In Case of Medical Emergency, Call the  
International Poison Control Center  
1-800-214-7753.

In Case of Transportation Emergency,  
Call INFO TRAC 1-800-535-5053

CLARKE MOSQUITO CONTROL PRODUCTS, INC. makes no warranty, expressed or implied, concerning the use of this product other than as indicated on the label. Buyer assumes all risk of use/handling of this material when use and/or handling is contrary to label instructions.



SOLD BY  
**CLARKE MOSQUITO CONTROL  
PRODUCTS, INC.**  
159 N. GARDEN AVENUE  
ROSELLE, ILLINOIS 60172  
(630) 894-2000



PL0021 09/05

# VectoMax<sup>®</sup> FG

BIOLOGICAL LARVICIDE

FINE GRANULE



FOR ORGANIC PRODUCTION

MADE WITH



**ACTIVE INGREDIENTS:**

<i>Bacillus sphaericus</i> 2362, Serotype H5a5b, strain ABTS 1743 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%
OTHER INGREDIENTS	92.8%
TOTAL	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.

EPA Reg. No. 73049-429

EPA Est. No. 33762-IA-001

List No. 05750

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**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

1.0 FIRST AID	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or 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>
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 1-877-315-9819 (24 hours) for emergency medical treatment and/or transport emergency information. For all other information, call 1-800-323-9597.	

**2.0 PRECAUTIONARY STATEMENTS**

**2.1 Hazards To Humans and Domestic Animals  
CAUTION**

Causes moderate eye irritation. Harmful if absorbed through the skin or inhaled. Prolonged or frequent skin contact may cause allergic reactions in some individuals. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. 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 at least N-95, R-95, or P-95. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.

**2.2 Environmental Hazards**

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

**3.0 DIRECTIONS FOR USE**

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

**4.0 APPLICATION DIRECTIONS**

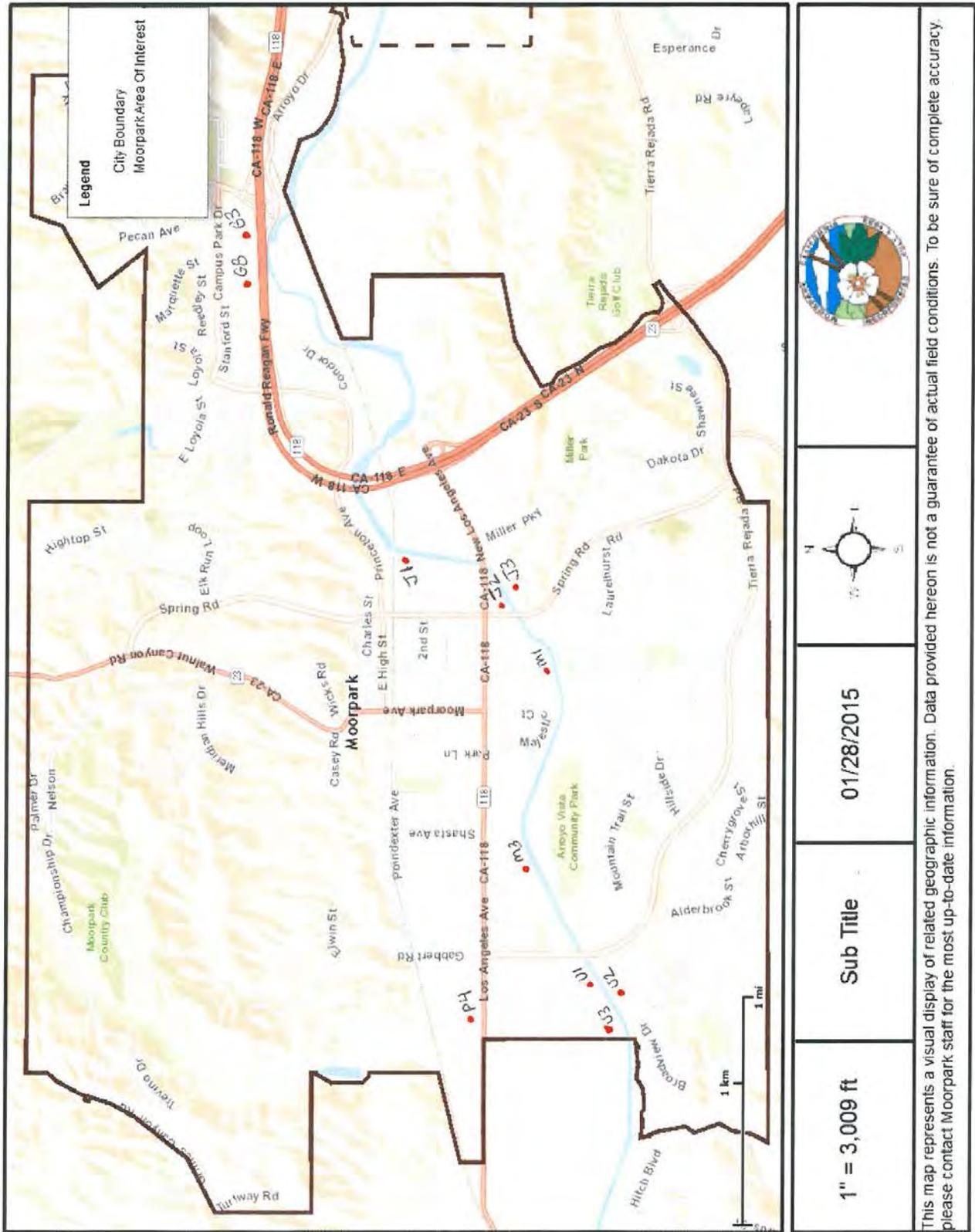
**MOSQUITO CONTROL**

VectoMax<sup>®</sup> FG is a selective microbial insecticide for use against mosquito larvae in a variety of habitats. VectoMax FG can be applied to areas that contain fish, other aquatic life, and plants. VectoMax FG 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:**

Habitat	Rate Range
<b>Wastewater:</b> Sewage effluent, sewage lagoons, oxidation ponds, septic ditches, animal waste lagoons, impounded wastewater associated with fruit and vegetable processing.	5-20 lbs/acre*
<b>Storm Water/Drainage Systems:</b> 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*
<b>Water Bodies:</b> 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*
<b>Waste Tires:</b> Tires stockpiled in dumps, landfills, recycling plants, and other similar sites.	0.5-2 lbs/ 1000 sq. ft.

CONTINUED



This map represents a visual display of related geographic information. Data provided hereon is not a guarantee of actual field conditions. To be sure of complete accuracy, please contact Moorpark staff for the most up-to-date information.

## CITY OF MOORPARK MOSQUITO SOURCES 2014

Source	Source Name	Source Location	Source
A1	A.S. #1 Section 1	East city limits to VDA stabilizing weir.	1
A2	No. 2 Cyn. FCC (Formerly Moorpark College FCC)	Between 118 and VDA by railroad tracks	2
B5	VDA Run Off Drain 1 -	In VDA Complex.Branch of Underground Drain by Unit # 160	3
B6	VDA Run Off Drain 2 -	In VDA Complex.Branch of Underground Drain by Unit # 61	4
B8	VDA Run Off Drain 4 -	In VDA Complex.Branch of Underground Drain by Unit #	5
D1	VDA Drain A -	The farthest East drain that runs S.of the concrete levee/walkway.	6
D2	VDA Drain B -	About 300 ft. W. of Drain A.	7
D4	VDA Drain D -	About 500 ft. W of Drain C.	8
G3	Strathearn Canyon FCC (Formerly Pecan Ave FCC)	Enter through flood gate on west side of Pecan and go south to Arroyo	9
G5	Varsity Park South Village Drain	Drain Just South of 15112 B Varsity draining onto Caltrans 118 Freeway	10
G7	Happy Camp Canyon FCC (formerly Fordham FCC)	SouthWest of College Heights/Westwood intersection	11
G8	Hwy 118 North Drainage -	North of 118 and south parking lot of Varsity Park Village,between F	12
H1	AS Sec.#2 Section 2	From VDA stabilizing weir to Butler crossing.	13
H2	Hwy 118 South Drainage -	South of 118, between Teledyne Laars and Collins.	14
i1	AS Sec#3 Section 3	Butler crossing to Virginia Colony trestle	15
i2	Vulcan Concrete formerly Ready Mix Pond -	On west side of yard at 13950 Princeton	16
i3	AS Sec#4 Section 4	Virginia Colony trestle to Ready Mix trestle	17
J1	AS Section 5	Ready Mix trestle to New LA Ave	18
J2	AS Section 6	New LA Ave to Spring St bridge	19
J3	Carlsberg Retention Basin -	South of Arroyo Simi, Section 6, and east of Spring	20
K6	Southfork Retention Pond	Pond located on S.W. side of Southfork/Miller intersection	21
K7A	Stagecoach/Spring Basin Drainage	Drainage to the North of above basin.	22
K8	Shawnee/Crabapple Ret. Basin	Located on both East and West on the South side Crabapple Ct.	23
K10	Shawnee Ct. West Ret. Basin #2	Located on West side of Shawnee Ct. South Basin	24
L2	Peach Hill Drain	(Formerly Marlborough drain) - South of Quail Summit and west of M	25
L3	Performance Nursery -	Check drainage running north to south, and also along AS Sec 7&8	26
L4	Spring St. S. Pond-	Pond located W. of Spring St. S.of Tierra Rejada and N. of Christia	27
M1	AS Section 7	Spring St bridge to AV Pedestrian Bridge	28
M3	AS Section 8	AV Pedestrian Bridge to Tierra Rejada Bridge	29
M6	Ret. Pond # 2 AS Section 7	Larger pond to the East of Pond #1	30
N1	Walnut Canyon FCC -	200 yards west of Walnut Canyon, starts at Championship Dr. and	31
N5	Trevino Dr. Ret Basin	East of Trevino Dr. and West of Golf Course Ridgeline 7th	32
N6	Moorpark C.C. Canyon Crest Golfcourse	Canyon Crest Course Holes 1-9 and Drainage Channels. East Cour	33
N7	Moorpark C.C. Ridgeline GolfcourseHole 1 Seep	Ridgeline Course Holes 1-9 and Drainage Channels. West Course	34
N8	Moorpark C.C. Creekside Golfcourse	Ridgeline Course Holes 6-9 and Drainage Channels. Middle Course	35
N9	N Meridian Hills/Walnut Cyn Ret. Basin	Meridian Hills tract entrance West side of Walnut Cyn. N. Side	36
N10	S Meridian Hills/Walnut Cyn Ret. Basin	Meridian Hills tract entrance W side of Walnut Cyn. S. Side #5187	37
N11	Casey/Walnut Cyn Ret. Basin & Drainage	Start S of Meridian Hills at Concrete stairs leading to drainage that	38
N12	Breezy Glen Ret. Basin	N.W. Corner of Meridian Hills & Breezy Glen	39
O1	Timber Hollow Ret. Basin	Moorpark Highlands tract. Ret Basin S. side of Timber Hollow	40
O5	Mpk Highlands W. Spring N Charles Ret. Basin	West Side of Spring Ret. Basin North of Charles St	41
O6	Walnut Cyn./Spring S. Ret. Basin	S.E. corner of intersection of Spring and Walnut Cyn.	42
P4	Gabbert Rd FCC -	Continuation of Walnut Canyon FCC; starts on west side of	43
P6	Elwin St Drain -	at 22837 Elwin St	44
P7	Darlene Ln Gutters -	street gutters	45
R1	Third St. Gutters		46
R2	Flory St Gutters		47
R14	High St Theater back drain	Sump Pump Drain Behind 45 High St. Theater	48
R15	Charles St. Gutter		49
U1	AS Section 9	Tierra Rejada bridge to Gabbert drain	50
U2	Mtn.Meadows/A.S. Sec.#9 Drain-	Drain between Northdale and A.S. Sec.#9.W. of T.R. Bridge	51
U3	Buttercreek Drain -	South of Buttercreek St to Arroyo	52
U4	Boething Treeland Nursery -	Check any standing water around compost piles	53

## Attachment 3

## Mosquito-Vector Annual NPDES Report 2014

## City of Moorpark VC

## Application Log to Potential "Waters Of The US"

EMP #	Date/Time	Source #	HABITAT	Product	Sq. Ft. Treated	Mat. Amt.	LATITUDE	LONGITUDE
1979	3/20/2014	G8	Drainage Channel	G.B.1111	400	4.0 oz.	34.292812	-118.845624
1979	4/8/2014	G8	Drainage Channel	G.B.1111	320	3.0 oz.	34.292812	-118.845624
1980	4/10/2014	U1	Flood Channel	Altosid Pellets	3400	7.0 oz.	34.271236	-118.903919
1980	4/10/2014	U2	Drainage Channel	Altosid Pellets	2200	4.5 oz.	34.268897	-118.908859
1980	4/10/2014	U3	Drainage Channel	Altosid Pellets	3100	6.0 oz.	34.270753	-118.907052
1979	5/5/2014	G8	Drainage Channel	G.B.1111	220	2.0 oz.	34.292812	-118.845624
1980	5/14/2014	M3	Flood Channel	G.B.1111	180	2.0 oz.	34.273385	-118.898372
1980	5/14/2014	M3	Flood Channel	Altosid Pellets	1900	4.0 oz.	34.273385	-118.898372
1980	5/14/2014	U2	Drainage Channel	Fourstar	650	1.3 oz.	34.268897	-118.908859
1980	5/14/2014	P4	Flood Channel	Fourstar	90	0.3 oz.	34.278991	-118.905331
1980	5/14/2014	U2	Drainage Channel	Vectomax CG	600	1.2 oz.	34.268897	-118.908859
1980	5/14/2014	P4	Flood Channel	Vectomax CG	240	0.5 oz.	34.278991	-118.905331
1979	5/19/2014	G8	Drainage Channel	G.B.1111	320	3.0 oz.	34.292812	-118.845624
1980	5/23/2014	U1	Flood Channel	Altosid Pellets	240	0.5 oz.	34.271236	-118.903919
1980	5/23/2014	U1	Flood Channel	G.B.1111	160	1.5 oz.	34.271236	-118.903919
1980	5/23/2014	U3	Drainage Channel	Vectomax CG	450	1.0 oz.	34.270753	-118.907052
1980	5/23/2014	U3	Drainage Channel	Fourstar	475	1.6 oz.	34.270753	-118.907052
1979	5/30/2014	G3	Drainage Channel	G.B.1111	1580	15.0 oz.	34.273385	-118.898372
1979	5/30/2014	G8	Drainage Channel	G.B.1111	330	3.0 oz.	34.292812	-118.845624
1979	6/10/2014	G8	Drainage Channel	G.B.1111	300	3.0 oz.	34.292812	-118.845624
1979	6/10/2014	G8	Drainage Channel	Vectomax CG	450	1.0 oz.	34.292812	-118.845624
1980	6/19/2014	U1	Flood Channel	Vectomax CG	160	0.6 oz.	34.271236	-118.903919
1980	6/19/2014	U3	Drainage Channel	Vectomax CG	1470	3.0 oz.	34.270753	-118.907052
1980	6/19/2014	U2	Drainage Channel	Fourstar	220	0.6 oz.	34.268897	-118.908859
1979	6/30/2014	G8	Drainage Channel	G.B.1111	310	3.0 oz.	34.292812	-118.845624
1979	7/1/2014	G3	Drainage Channel	G.B.1111	1050	10.0 oz.	34.273385	-118.898372
1979	7/7/2014	G8	Drainage Channel	G.B.1111	190	2.0 oz.	34.292812	-118.845624
1980	7/10/2014	M3	Flood Channel	Fourstar	1200	3.9 oz.	34.273385	-118.898372
1980	7/10/2014	M3	Flood Channel	Vectomax FG	62980	134 oz.	34.273385	-118.898372
1980	7/16/2014	M1	Flood Channel	Altosid Pellets	47040	96 oz.	34.275987	-118.875793
1980	7/16/2014	M3	Flood Channel	Altosid Pellets	19500	40 oz.	34.273385	-118.898372
1980	7/16/2014	M1	Flood Channel	G.B.1111	725	7 oz.	34.275987	-118.875793
1980	7/16/2014	M3	Flood Channel	G.B.1111	530	5 oz.	34.273385	-118.898372
1979	7/16/2014	J1	Flood Channel	G.B.1111	100	5 oz.	34.285318	-118.869512
1979	7/17/2014	G8	Drainage Channel	G.B.1111	225	2.0 oz.	34.292812	-118.845624
1980	7/17/2014	U1	Flood Channel	Agnique MMF	3800	4.0 oz.	34.271236	-118.903919
1980	7/17/2014	U3	Drainage Channel	Agnique MMF	1070	1.0 oz.	34.270753	-118.907052
1980	7/17/2014	U2	Drainage Channel	Agnique MMF	240	0.5 oz.	34.268897	-118.908859
1980	7/17/2014	U1	Flood Channel	Altosid Pellets	108640	224 oz.	34.271236	-118.903919
1980	7/17/2014	U3	Drainage Channel	Altosid Pellets	1520	3.0 oz.	34.270753	-118.907052
1980	7/17/2014	U2	Drainage Channel	Altosid Pellets	2500	5.0 oz.	34.268897	-118.908859
1979	7/24/2014	G8	Drainage Channel	G.B.1111	315	3.0 oz.	34.292812	-118.845624
1979	7/29/2014	G3	Drainage Channel	G.B.1111	880	9.0 oz.	34.273385	-118.898372
1979	8/1/2014	J1	Flood Channel	G.B.1111	725	7 oz.	34.285318	-118.869512
1979	8/11/2014	G8	Drainage Channel	G.B.1111	1485	15.0 oz.	34.292812	-118.845624

## Attachment 3

## Mosquito-Vector Annual NPDES Report 2014

## City of Moorpark VC

## Application Log to Potential "Waters Of The US"

EMP #	Date/Time	Source #	HABITAT	Product	Sq. Ft. Treated	Mat. Amt.	LATITUDE	LONGITUDE
1980	8/12/2014	M3	Flood Channel	Altosid Pellets	48400	96 oz.	34.273385	-118.898372
1980	8/12/2014	M3	Flood Channel	G.B.1111	275	3 oz.	34.273385	-118.898372
1980	8/12/2014	U1	Flood Channel	Altosid Pellets	19940	40 oz.	34.271236	-118.903919
1980	8/12/2014	U1	Flood Channel	G.B.1111	415	4 oz.	34.271236	-118.903919
1980	8/12/2014	U2	Drainage Channel	Altosid Pellets	770	1.5 oz.	34.268897	-118.908859
1980	8/12/2014	U2	Drainage Channel	G.B.1111	175	2 oz.	34.268897	-118.908859
1980	8/12/2014	U3	Drainage Channel	Altosid Pellets	3900	8 oz.	34.270753	-118.907052
1980	8/12/2014	U3	Drainage Channel	G.B.1111	220	2 oz.	34.270753	-118.907052
1979	8/14/2014	G8	Drainage Channel	G.B.1111	305	3.0 oz.	34.292812	-118.845624
1979	8/20/2014	G3	Flood Channel	G.B.1111	1060	10 oz.	34.273385	-118.898372
1979	8/22/2014	G8	Drainage Channel	G.B.1111	320	3.0 oz.	34.292812	-118.845624
1979	8/28/2014	G3	Flood Channel	G.B.1111	775	8 oz.	34.273385	-118.898372
1979	9/2/2014	G8	Drainage Channel	G.B.1111	300	3.0 oz.	34.292812	-118.845624
1980	9/10/2014	U1	Flood Channel	Altosid Pellets	6200	12 oz.	34.271236	-118.903919
1980	9/10/2014	U2	Drainage Channel	Altosid Pellets	1200	2.5 oz.	34.268897	-118.908859
1980	9/10/2014	U2	Drainage Channel	G.B.1111	160	1.5 oz.	34.268897	-118.908859
1980	9/10/2014	U3	Drainage Channel	Altosid Pellets	1400	3 oz.	34.270753	-118.907052
1980	9/10/2014	U3	Drainage Channel	G.B.1111	440	4 oz.	34.270753	-118.907052
1980	9/17/2014	J3	Ret. Basin	Vectomax FG	2800	6 oz.	34.276736	-118.873653
1980	9/17/2014	J2	Ret. Basin	Vectomax FG	650	2.5 oz.	34.278281	-118.871555
1980	9/18/2014	M1	Flood Channel	Altosid Pellets	2650	5.5 oz.	34.275987	-118.875793
1980	9/18/2014	M1	Flood Channel	G.B.1111	375	3.5 oz.	34.275987	-118.875793
1980	9/19/2014	M3	Flood Channel	Altosid Pellets	2650	4.0 oz.	34.275987	-118.875793
1980	9/19/2014	M3	Flood Channel	G.B.1111	375	3.5 oz.	34.275987	-118.875793
1979	9/29/2014	G8	Drainage Channel	G.B.1111	285	3.0 oz.	34.292812	-118.845624
1979	10/9/2014	G3	Flood Channel	G.B.1111	850	8 oz.	34.273385	-118.898372
1980	10/14/2014	U1	Flood Channel	G.B.1111	65	0.6 oz.	34.271236	-118.903919
1979	10/27/2014	G8	Drainage Channel	G.B.1111	220	2.0 oz.	34.292812	-118.845624