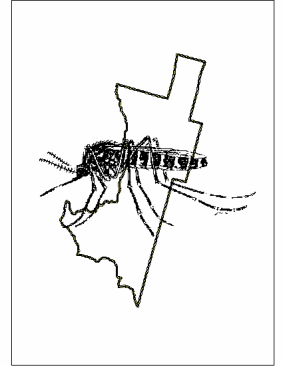


***Chiloquin Vector
Control District
2020***

Pesticide Use Plan

Chiloquin Vector Control District
PO Box 860
Chiloquin, OR 97624
info@trmvc.com
(541) 238-2272



January 15, 2020

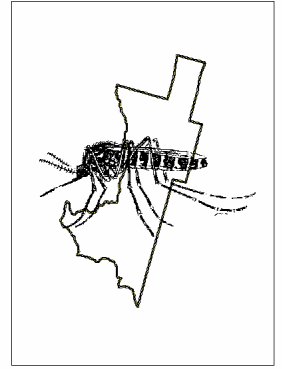
Oregon Health Division, ACDP
800 NE Oregon St. Ste. 772
Portland, OR 97232

Re: 2020 Pesticide Use Plan

Forwarded here for review process is the 2020 Pesticide Use Plan for the Chiloquin Vector Control District, Chiloquin, Oregon.

Thank you,

PO Box 860
Chiloquin, OR 97624
info@trmvc.com
(541) 238-2272



January 15, 2020

Oregon Dept. of Fish & Wildlife
Fish Division
Attn: Danette Faucera
Water Policy Coordinator
3406 Cherry Avenue NE
Salem, Oregon 97303

Phone: (503) 947-6092
Fax: (503) 947-6070
Email: danette.l.faucera@state.or.us

Re: 2020 Pesticide Use Plan

Forwarded here for review process is the 2020 Pesticide Use Plan for the Chiloquin Vector Control District, Chiloquin, Oregon.

Thank you,

VECTOR CONTROL PESTICIDE USE PLAN

This is a multi-part form. Page three is a **Target Pest Information** worksheet that must be filled out for each pest for which a treatment is planned during the season. Page four is a **Control Agent Worksheet**. This information must be supplied for each pesticide product or biological control agent that the district intends to use. Attach additional sheets as needed. A form containing the specified information in another format may be substituted, but, please include all information indicated on these forms.

District Name: Chiloquin Vector Control District	Date: January 15, 2020
<i>APPLICATOR INFORMATION</i>	
Name: Horvath, Edward Stephen (Three Rivers Mosquito and Vector Control)	
Address: 651 Market Street	
City/Zip: Klamath Falls, Oregon 97601-6252	
Telephone: (541) 238-2272	
E-Mail: info@trmvc.com	
Pesticide Operator License#: AG-L1021442CPO	
Aerial Pesticide Applicator License#: AG-L1056549APA	
CVCD is approximately 110 square miles on the east banks of Agency and Klamath Lakes, approximately 20 miles north of Klamath Falls, Oregon.	

ADDITIONAL DISTRICT INFORMATION (complete only if there is a contact person who should receive official correspondence in addition to pesticide applicator):

District Contact Name/Title: Dennis Jefcoat, Chairman of the Board, CVCD

District Address: PO Box 860

District City/Zip: Chiloquin, Oregon 97624-0860

District Phone: (541) 783-2135

FAX: ()

PUBLIC NOTIFICATION METHOD (check all that apply):

- Newspaper Television Radio Mailer
- Newsletter Bulletin Board Notices Recorded Telephone Message
- Other Facebook and District website

PUBLIC NOTIFICATION INFORMATION (provide a short description of notification plan, i.e., timing, frequency, languages other than English, etc.):

CVCD provides public notices and educational information through posting on bulletins and through the community email based newsletter, along with postings on a CVCD Facebook.com page. CVCD has also established a website for public information and education (www.chiloquinmosquito.org).

Vector Control Pesticide Use Plan: District:
Date:

Chiloquin Vector Control District:
January 15, 2020

TARGET PEST INFORMATION

IMPORTANT: COMPLETE ONE SHEET FOR EACH TARGET PEST

Target Pest: Check only one target pest per worksheet.

<input checked="" type="checkbox"/> Mosquito Larvae	<input type="checkbox"/> Domestic Rat	<input type="checkbox"/> Domestic Fly
<input type="checkbox"/> Mosquito Adult	<input type="checkbox"/> Other Pest (specify)	

MONITORING METHOD/TREATMENT THRESHOLD

(Indicate the monitoring method and threshold for treatment)

Monitoring Method: Monitoring method most used for mosquito larvae is the handheld dipper. Type of source, size and location, number found in each dip will determine what, if any, control method is to be used.

Treatment Threshold: Mosquito larvae counts exceeding 5 mosquito larvae per dip will justify pesticide applications. Ridding the area of containers collecting water, drainage of small areas, soliciting public and property owners' assistance to abate a source whenever necessary to reduce the need for larvicides. Stage of larval development and density, organic content of source water, types of non-target species present, proximity to sensitive areas and weather conditions are some of the criteria also used to determine the appropriateness of materials used.

EFFICACY SAMPLING

(Indicate which treatments will be followed by an evaluation of efficacy, and what method will be used for the evaluation)

Checking of larvicide treatments for appropriateness of material used, completeness of application of material and the efficiency in reducing the number of mosquito larvae in the source area will be conducted within the following seven (7) days post application. Monitoring of service requests complaints near the source area will also be used to make judgments of effectiveness of applications of larvicide.

Bioassays are conducted for pesticide effectiveness and resistance monitoring.

SURVEILLANCE FOR IMPACTS ON NON-TARGET SPECIES

(List methods used to determine impacts on non-target species.)

Routine visual inspections are made to evaluate applications and to determine if there has been any non-target impact.

TOTAL NUMBER OF AGENTS (PESTICIDES AND BIOLOGICAL CONTROLS) TO BE USED FOR CONTROL: From 1 to 9

TARGET PEST INFORMATION

IMPORTANT: COMPLETE ONE SHEET FOR EACH TARGET PEST

Target Pest: Check only one target pest per worksheet.

<input type="checkbox"/> Mosquito Larvae	<input type="checkbox"/> Domestic Rat	<input type="checkbox"/> Domestic Fly
<input checked="" type="checkbox"/> Mosquito Adult	<input type="checkbox"/> Other Pest (specify)	

MONITORING METHOD/TREATMENT THRESHOLD

(Indicate the monitoring method and threshold for treatment)

Monitoring Method: Method used to determine if treatment is necessary is by landing rate counts on humans and by CDC Light traps being monitored weekly. A technician enters a source area and the number of mosquitoes landing on him from the waist down for a period of 15 to 30 seconds is noted. Moving to another location approximately 100 feet further into the source area an additional count is observed.

Treatment Threshold: Should a count of 5 to 10 adult mosquitoes are present at any location, some type of control is warranted and/or CDC light trap counts will equal 5 mosquitoes per trapping hour to justify adulticiding. These threshold justifications for treatments are in accordance with NPDES General Permit 2300A.

EFFICACY SAMPLING

(Indicate which treatments will be followed by an evaluation of efficacy, and what method will be used for the evaluation)

Service requests and/or comments from landowners are used for efficiency of materials used, as well as a check by the applicator, through another landing count and follow-up CDC light trap counts. Weather and environmental changes; wind, rain, smoke from area forest fires and untreated properties outside the VCD often bring on an influx of adult mosquitoes into our area. CDC light traps are used to monitor populations and evaluate the effectiveness of the program by volunteer Board Members. Bioassays are conducted for pesticide effectiveness and resistance monitoring.

SURVEILLANCE FOR IMPACTS ON NON-TARGET SPECIES

(List methods used to determine impacts on non-target species.)

Generally, adulticides are not species specific, however at the label rates and time applied, non-target species are at lesser risk. Applications are normally made in early morning hours before bees are active and foraging or in the evening to late nights during the hot summer. When ever applications are to be made in potentially sensitive areas, local Fish and Wildlife will be consulted. A buffer zone of 100 meters from stream edge is maintained to monitored using liquid/chemical sensitive paper when adulticiding. When applications of an adulticide is required within the 100 meter buffer, a adulticide is used that is non-toxic to aquatic life such as Essentria IC³.

TOTAL NUMBER OF AGENTS (PESTICIDES AND BIOLOGICAL CONTROLS) TO BE USED FOR CONTROL: From 1 to 3

Larval

CONTROL AGENT WORKSHEETS

1. *Gambusia affinis*
2. *Macrocyclus albidus*
3. Agnique™ MMF
4. Altosid® XR Briquettes
5. Altosid® Liquid Larviciding
6. VectoLex® FG
7. VectoLex® WDG
8. Sustain MBG
9. Natular™ XRT

CONTROL AGENT WORKSHEET

IMPORTANT: Complete One Worksheet for each Control Agent

PRODUCT NAME: *Gambusia affinis* (Western Mosquito-fish)

EPA REGISTRATION#: N/A

ACTIVE INGREDIENTS:

Fish	100 %
-------------	--------------

TARGET PEST:

Mosquito Larva

RATE OF APPLICATION: (Give in units of pounds of active ingredient per acre and/or pounds of product per acre)

1.0 lb/A

APPLICATION METHOD: (Describe the application apparatus, product diluent, mixture, if any, and application process)

Fish Transport tanks, water.

APPLICATION SITE: (Describe the types of pest habitat where the product will be applied)

Ponds, Ditches, irrigation sumps and pools. Will only be placed in self-contained water bodies that are not connected to natural water bodies. Because mosquito fish are non-native fish, state law restricts their use to self-contained water bodies that are not fed or drained by natural waterways and where no other natural mosquito controls are present. These self-contained systems, which are called "aquaria," include ornamental ponds and livestock troughs, among others. Natural waterways include creeks, streams, sloughs, ponds, lakes, ditches connected to natural waterways, and ponds located in floodplain areas where flooding could allow the fish to enter natural waterways.

POUNDS OF COPEPODS TO BE USED: **25.00 lbs**

ACRES TO BE TREATED: **25.00 A**

POUNDS OF FISH USED LAST YEAR: **0.00 lbs**

ACRES TREATED LAST YEAR: **0.00 A**

CONTROL AGENT WORKSHEET

IMPORTANT: Complete One Worksheet for each Control Agent
PRODUCT NAME: *Macrocyclus albidus*
EPA REGISTRATION#: N/A
ACTIVE INGREDIENTS:

<i>Macrocyclus albidus</i> (copepods)	100 %
---------------------------------------	-------

TARGET PEST:

Mosquito Larva

RATE OF APPLICATION: (Give in units of pounds of active ingredient per acre and/or pounds of product per acre)

Approximately 0.0625 lb/A

APPLICATION METHOD: (Describe the application apparatus, product diluent, mixture, if any, and application process)

Fish Transport tanks, water.

APPLICATION SITE: (Describe the types of pest habitat where the product will be applied)

Ponds, Ditches, irrigation sumps and pools. Will only be placed in self-contained water bodies that are not connected to natural water bodies. Because mosquito fish are non-native fish, state law restricts their use to self-contained water bodies that are not fed or drained by natural waterways and where no other natural mosquito controls are present. These self-contained systems, which are called "aquaria," include ornamental ponds and livestock troughs, among others. Natural waterways include creeks, streams, sloughs, ponds, lakes, ditches connected to natural waterways, and ponds located in floodplain areas where flooding could allow the fish to enter natural waterways.

POUNDS OF COPEPODS TO BE USED: 1.5625 lbs
ACRES TO BE TREATED: 25.00 A
POUNDS OF COPEPODS USED LAST YEAR: 0.00 lbs
ACRES TREATED LAST YEAR: 0.00 A

Vector control Pesticide Use Plan: District:

Chiloquin Vector Control District

Date:

January 15, 2020

CONTROL AGENT WORKSHEET

IMPORTANT: Complete One Worksheet for each Control Agent

PRODUCT NAME: Aqnique® MMF

EPA REGISTRATION#: 53263-28

ACTIVE INGREDIENTS:

Poly(oxy-1,2-ethanediyl), α -isooctadecyl- ω -hydroyl 8.5 lb-ai/Gallon	100%
---	-------------

TARGET PEST:

Mosquito, Larvae

RATE OF APPLICATION: (Give in units of pounds of active ingredient per acre and/or pounds of product per acre)

0.2-1.0 gallons/acre

APPLICATION METHOD: (Describe the application apparatus, product diluent, mixture, if any, and application process)

Spray bottle, power sprayer and pressurized hand can.

APPLICATION SITE: (Describe the types of pest habitat where the product will be applied)

Freshwater swamps and marshes, pastures, woodland pools and meadows, drainage areas, ditches and other man-made depressions where pupae and late 4th in-star larvae are to be eliminated.

POUNDS OF ACTIVE INGREDIENT TO BE USED: **175.00 lb-ai**

ACRES TO BE TREATED: **65.00 A**

POUNDS OF ACTIVE INGREDIENT USED LAST YEAR: **22.15 lb-ai**

ACRES TREATED LAST YEAR: **13.03 A**

Vector control Pesticide Use Plan: District Name **Chiloquin Vector Control District**
Date: **January 15, 2020**

CONTROL AGENT WORKSHEET

IMPORTANT: Complete One Worksheet for each Control Agent

PRODUCT NAME: Altosid® XR Briquettes

EPA REGISTRATION#: 2724-421

ACTIVE INGREDIENTS:

Methoprene 0.00145 lb-ai/briquette	2.1 %
---	--------------

TARGET PEST:

Mosquito Larvae

RATE OF APPLICATION: (Give in units of pounds of active ingredient per acre and/or pounds of product per acre)

1 per catch-basin or 1 per 100-200 square feet

APPLICATION METHOD: (Describe the application apparatus, product diluent, mixture, if any, and application process)

Hand Toss

APPLICATION SITE: (Describe the types of pest habitat where the product will be applied)

Catch Basins, sumps, large troughs, small ponds.

POUNDS OF ACTIVE INGREDIENT TO BE USED: Approximately **50 ea**

ACRES TO BE TREATED: **100 A**

POUNDS OF ACTIVE INGREDIENT USED LAST YEAR: **0.0102 lb-ai**

ACRES TREATED LAST YEAR: **< 0.50 A**

CONTROL AGENT WORKSHEET

IMPORTANT: Complete One Worksheet for each Control Agent

PRODUCT NAME: Altosid® Liquid Larvicide

EPA REGISTRATION#: 2724-446-50809

ACTIVE INGREDIENTS:

Methoprene 0.43 lb-ai/Gallon	5.00 %
-------------------------------------	---------------

TARGET PEST:

Mosquito Larvae

RATE OF APPLICATION: (Give in units of pounds of active ingredient per acre and/or pounds of product per acre)

.027 - .05 lbs/A

APPLICATION METHOD: (Describe the application apparatus, product diluent, mixture, if any, and application process)

Power sprayer, pressurized truck mounted sprayer, and powered backpack sprayer.

Altosid® ALL is mixed with VectoBac® at a ratio of 1:6 and applied at a mixture rate of 2-16 oz/A.

APPLICATION SITE: (Describe the types of pest habitat where the product will be applied)

Freshwater swamps and marshes, pastures, woodland pools and meadows, drainage areas, ditches and other man-made depressions.

POUNDS OF ACTIVE INGREDIENT TO BE USED: **1.50 lb-ai**

ACRES TO BE TREATED: **770.00 A**

POUNDS OF ACTIVE INGREDIENT USED LAST YEAR: **0.00 lb-ai**

ACRES TREATED LAST YEAR: **0.00 A**

Vector control Pesticide Use Plan: District:

Chiloquin Vector Control District

Date:

January 15, 2020

CONTROL AGENT WORKSHEET

IMPORTANT: Complete One Worksheet for each Control Agent

PRODUCT NAME: VectoLex® FG

EPA REGISTRATION#: 73049-20

ACTIVE INGREDIENTS:

<i>Bacillus sphaericus</i> 0.023B ITU/lb material	7.50%
--	--------------

TARGET PEST:

Mosquito, Larvae

RATE OF APPLICATION: *(Give in units of pounds of active ingredient per acre and/or pounds of product per acre)*

5.0-20.0 lbs/acre

APPLICATION METHOD: *(Describe the application apparatus, product diluent, mixture, if any, and application process)*

Applied by hand, Maruyama Belly Grinder, Maruyama backpack blower, horn seeded and/or sUAV.

APPLICATION SITE: *(Describe the types of pest habitat where the product will be applied)*

Freshwater swamps and marshes, pastures, woodland pools and meadows, drainage areas, ditches and other man-made depressions where 1st through early 4th in-star larvae are to be eliminated.

POUNDS OF ACTIVE INGREDIENT TO BE USED: **1.15B ITU**

ACRES TO BE TREATED: **50.00 A**

POUNDS OF ACTIVE INGREDIENT USED LAST YEAR: **8.3561 lb ai**

ACRES TREATED LAST YEAR: **22.28 A**

Vector control Pesticide Use Plan: District:

Chiloquin Vector Control District

Date:

January 15, 2020

CONTROL AGENT WORKSHEET

IMPORTANT: Complete One Worksheet for each Control Agent

PRODUCT NAME: VectoLex® WDG

EPA REGISTRATION#: 73049-57

ACTIVE INGREDIENTS:

<i>Bacillus sphaericus</i> 0.299B ITU/lb-material	51.2%
--	--------------

TARGET PEST:

Mosquito, Larvae

RATE OF APPLICATION: (Give in units of pounds of active ingredient per acre and/or pounds of product per acre)

0.5 – 1.5 lbs/Acre²

APPLICATION METHOD: (Describe the application apparatus, product diluent, mixture, if any, and application process)

Power sprayer, pressurized truck/ATV mounted sprayer, powered backpack sprayer and/or sUAVs..

APPLICATION SITE: (Describe the types of pest habitat where the product will be applied)

Freshwater swamps and marshes, pastures, woodland pools and meadows, drainage areas, ditches and other man-made depressions where 1st through early 4th in-star larvae are to be eliminated.

POUNDS OF ACTIVE INGREDIENT TO BE USED: **100 ea material**

ACRES TO BE TREATED: **500 ft²**

POUNDS OF ACTIVE INGREDIENT USED LAST YEAR: **16.3927 lbs-ai**

ACRES TREATED LAST YEAR: **109.6499 A**

Vector control Pesticide Use Plan: District:

Chiloquin Vector Control District

Date:

January 15, 2020

CONTROL AGENT WORKSHEET

IMPORTANT: Complete One Worksheet for each Control Agent

PRODUCT NAME: Sustain MBG

EPA REGISTRATION#: 769-992

ACTIVE INGREDIENTS:

<i>Bacillus thuringiensis</i> subspecies <i>israelensis</i> Strain BMP 144 solids, spores and insecticidal toxins 0.182 Billion ITU/pound	5.71%
---	--------------

TARGET PEST:

Mosquito, Larvae

RATE OF APPLICATION: (Give in units of pounds of active ingredient per acre and/or pounds of product per acre)

5.0-20.0 lbs/acre

APPLICATION METHOD: (Describe the application apparatus, product diluent, mixture, if any, and application process)

Applied by hand, Maruyama Belly Grinder, Maruyama backpack blower, horn seeder and/or sUAV.

APPLICATION SITE: (Describe the types of pest habitat where the product will be applied)

Freshwater swamps and marshes, pastures, woodland pools and meadows, drainage areas, ditches and other man-made depressions where 1st through early 4th in-star larvae are to be eliminated.

POUNDS OF ACTIVE INGREDIENT TO BE USED: **14.56B ITU**

ACRES TO BE TREATED: **8.00 A**

POUNDS OF ACTIVE INGREDIENT USED LAST YEAR: **0.00 lb ai**

ACRES TREATED LAST YEAR: **0.00 A**

Vector control Pesticide Use Plan: District:

Chiloquin Vector Control District

Date:

January 15, 2020

CONTROL AGENT WORKSHEET

IMPORTANT: Complete One Worksheet for each Control Agent

PRODUCT NAME: Natular™ XRT

EPA REGISTRATION#: 8329-84

ACTIVE INGREDIENTS:

<i>Spinosad</i> 0.0055 lb ai/each	6.25%
--------------------------------------	--------------

TARGET PEST:

Mosquito, Larvae

RATE OF APPLICATION: (Give in units of pounds of active ingredient per acre and/or pounds of product per acre)

1 each per 100 ft²

APPLICATION METHOD: (Describe the application apparatus, product diluent, mixture, if any, and application process)

Applied by hand, in areas where small pockets of water produce mosquito larvae.

APPLICATION SITE: (Describe the types of pest habitat where the product will be applied)

Catch basins, containers, troughs, secludes ponds.

POUNDS OF ACTIVE INGREDIENT TO BE USED: **100 ea material**

ACRES TO BE TREATED: **500 ft²**

POUNDS OF ACTIVE INGREDIENT USED LAST YEAR: **0.0605 lb ai**

ACRES TREATED LAST YEAR: **< 0.25 A**

Adulticide

CONTROL AGENT WORKSHEETS

1. Aqualuer® 20-20
2. Fyfanon® ULV
3. Essentria™ IC³

CONTROL AGENT WORKSHEET

IMPORTANT: Complete One Worksheet for each Control Agent

PRODUCT NAME: Aqualuer® 20-20

EPA REGISTRATION#: 769-985

ACTIVE INGREDIENTS:

Permethrin	20.6 %
Piperonyl Butoxide Technical	20.6%
Inert Ingredients	58.8%
1.75 lb-ai/Gallon	

TARGET PEST:

Mosquito, Adult

RATE OF APPLICATION: (Give in units of pounds of active ingredient per acre and/or pounds of product per acre)

0.0035 lbs/A

APPLICATION METHOD: (Describe the application apparatus, product diluent, mixture, if any, and application process)

Ultra-Low-Volume Aerosol, Clarke Cougar with variable Smart Flow. Diluted with water and applied at a mixed rate of 0.83 oz/acre.

ULTA-Low-Volume Aerosol, Curtis Dyna-Fog, Mini Light fogger mounted on an ATV, to treat hard to reach areas.

APPLICATION SITE: (Describe the types of pest habitat where the product will be applied)

Pastures, Hay Fields, Residential Areas

POUNDS OF ACTIVE INGREDIENT TO BE USED: 14.00 lbs-ai

ACRES TO BE TREATED: Up to approximately 4,000 A

POUNDS OF ACTIVE INGREDIENT USED LAST YEAR: 44.8868 lbs-ai

ACRES TREATED LAST YEAR: 12,801.95 A

CONTROL AGENT WORKSHEET

IMPORTANT: Complete One Worksheet for each Control Agent

PRODUCT NAME: Fyfanon® ULV

EPA REGISTRATION#: 67760-34

ACTIVE INGREDIENTS:

Malathion	96.5 %
Inert Ingredients	3.5%
9.9 lb-ai/Gallon	

TARGET PEST:

Mosquito, Adult

RATE OF APPLICATION: (Give in units of pounds of active ingredient per acre and/or pounds of product per acre)

0.03 lbs/A

APPLICATION METHOD: (Describe the application apparatus, product diluent, mixture, if any, and application process)

Fyanon ULV is only used within the CVCD for resistance control for mosquitoes if/when resistance is detected in our District. In 2016, no resistance to permethrin was detected.

Fyfanon ULV is applied undiluted, with an Ultra-Low-Volume Aerosol, Clarke Cougar. Control of flow is with a variable Smart Flow. Applied at a rate of 0.5 oz/acre. This pesticide is only used as an alternate to Aqualuer 20-20 to control resistance.

APPLICATION SITE: (Describe the types of pest habitat where the product will be applied)

Pastures, Hay Fields, Residential Areas

POUNDS OF ACTIVE INGREDIENT TO BE USED: **90.00 lbs-ai**

ACRES TO BE TREATED: **Up to approximately 3,000.00 A**

POUNDS OF ACTIVE INGREDIENT USED LAST YEAR: **0.00 lbs-ai**

ACRES TREATED LAST YEAR: **0.00 A**

Vector control Pesticide Use Plan: District Name **Chiloquin Vector Control District**
Date: **January 15, 2020**

CONTROL AGENT WORKSHEET

IMPORTANT: Complete One Worksheet for each Control Agent

PRODUCT NAME: Essentria™ IC³
EPA REGISTRATION#: FIFRA 25(b) Exempt
ACTIVE INGREDIENTS:

Rosemary Oil	10.0%
Geraniol	5.0%
Peppermint Oil	2.0%
Other ingredients (<i>Oil of Wintergreen, White Mineral Oil, Vanillin, Polyglyceryl</i>)	83.00%
8.9 lb-ai/Gallon	

TARGET PEST:

Mosquito, Adults

RATE OF APPLICATION: (*Give in units of pounds of active ingredient per acre and/or pounds of product per acre*)

0.0025 lb/A

APPLICATION METHOD: (*Describe the application apparatus, product diluent, mixture, if any, and application process*)

To control adult mosquitoes using ground application, diluted 1 to 6 fluid ounces of Essentria IC³ per gallon of water. Treat harborage areas such as shrubbery and vegetation where mosquitoes may rest using an ATV mounted ULV generator and backpack misting sprayer. Shrubby and vegetation around stagnant pools, marshy areas, ponds and shorelines may be treated. Repeat as necessary.

APPLICATION SITE: (*Describe the types of pest habitat where the product will be applied*)

Residential areas along the Williamson and Sprague Rivers and the Spring Creek residential units and Collier Park. This material is not toxic to aquatic life and may be applied over waters.

POUNDS OF ACTIVE INGREDIENT TO BE USED: **139.06 lb-ai**

ACRES TO BE TREATED: **Up to approximately 200.00 A**

POUNDS OF ACTIVE INGREDIENT USED LAST YEAR: **2.2189 lb-ai**

ACRES TREATED LAST YEAR: **887.57 A**

Vector Control Pesticide Use Plan: District Name: **Chiloquin Vector Control District**

Date: **January 15, 2020**

SENSITIVE AREAS AND SPECIES

(Provide a description of sensitive areas. Map(s) that show sensitive areas, areas to be treated by larvaciding and areas to be treated by adulticiding should be on file with ODFW. If new sensitive areas are identified include new maps with this application.)

The Oregon Department of Fish and Wildlife (ODFW) has statutory authority under ORS 452.140 and ORS 452.245 to annually approve Pesticide Use Plans. ODFW recommends the treatment protocols outlined in the “Oregon Department of Fish and Wildlife’s Vector Control Guidance for Sensitive Areas” (attached) as a means to protect fish, wildlife, and their habitats while allowing for efficient and effective control of vector species to protect human health. The “Oregon Department of Fish and Wildlife’s Vector Control Guidance for Sensitive Areas” document provides ODFW’s recommendations only. Should the Chiloquin Vector Control District choose to implement an IPM plan that varies from ODFW’s recommendations, our authority comes from another source, such as label restrictions (EPA and FIFRA), NOAA and USFWS rules, ODA’s pesticide rules, DEQ’s Pesticide General Permit, and OHA’s annual PUP approval. Variation from ODFW’s recommendations does not constitute a violation of the PUP approval as long as all other State and Federal regulations are followed. The Chiloquin Vector Control District understands, however, that ODFW reserves the ability to more strictly implement their statutory authority at any time new research reveals threats to fish, wildlife, or their habitats or new products become available for use. In addition, ODFW requires prior communication with local staff concerning surveillance, issues or treatment on ODFW-owned or managed Wildlife Areas.

For adulticides with aquatic restrictions, CVCD will maintain and monitor a 100 yard buffer from all fish bearing waters.

EDUCATIONAL ACTIVITIES OF DISTRICT

(Provide a brief description of educational outreach, including programs for source control in the community.)

TRMVC educates the public through fliers, news releases and social media (i.e.facebook.com). This information includes how to help with mosquito reduction, general mosquito and disease information and updates of mosquito borne disease updates and news from the region. If needed in an emergency, we have access to television news and radio.

We have put together educational coloring and activity books for the school aged children of the district and are available as PDF files.

Games and puzzles to help educate and entertain the younger community are also available.

Pesticide Labels

AGNIQUE[®] 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

STOP MOSQUITOES BEFORE THEY START



ACTIVE INGREDIENT

Poly (oxy-1,2-ethanediyl), α -Isooctadecyl- ω -hydroxyl (100%)

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID (TREATMENT)

IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none">• 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 IN EYES:	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with plenty of water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.

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.

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 neat AGNIQUE[®] 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[®] MMF is not visible on the surface of the water. Excess MMF on the water surface will form a white globule.

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.

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.

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

MOSQUITO HABITAT	Suggested Rate Range
Fresh and Brackish Water*	0.2 – 1.0 gallons/acre (2 – 10 liters/hectare)
Polluted Waters**	0.35 – 1.0 gallons/acre (3.5 – 10 liters/hectare)
MIDGE HABITAT	Suggested Rate Range [^]
Fresh and Polluted Waters	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.

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 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, as indicated by the indicator oil, control will be achieved.

Persistence: The AGNIQUE[®] 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[®] MMF. Detergents will destroy the film-forming of the AGNIQUE[®] MMF; other contaminants (water and oil) can result in the formation of an unsprayable paste.

Dilution: AGNIQUE[®] MMF is typically applied to the water's surface without dilution. However, if it is desired to spray higher volumes of liquid, AGNIQUE[®] 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[®] 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.

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.

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.

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



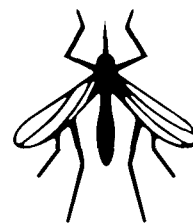
Net Contents:

○ 12 x 1 Liter Bottles

○ 2 x 2.5 Gallon Jugs

EPA Reg. No. 53263-28
EPA Establishment No. 70815-GA-001

Altosid[®] XR EXTENDED RESIDUAL BRIQUETS



A SUSTAINED RELEASE PRODUCT TO PREVENT ADULT MOSQUITO EMERGENCE

SPECIMEN LABEL

ACTIVE INGREDIENT:

(S)-Methoprene (CAS #65733-16-6)
(Dry Weight Basis) 2.1%

OTHER INGREDIENTS: 97.9%
Total . . . 100.0%

This product contains water; therefore the weight of the briquet and percent by weight of active ingredient will vary with hydration. The ingredient statement is expressed on a dry weight basis.

EPA Reg No. 2724-421

KEEP OUT OF REACH OF CHILDREN
CAUTION

INTRODUCTION

ALTOSID[®] XR BRIQUETS are designed to release effective levels of methoprene insect growth regulator over a period up to 150 days in mosquito breeding sites. Release of methoprene insect growth regulator occurs by dissolution of the briquet. Soft mud and loose sediment can cover the briquets and inhibit normal dispersion of the active ingredient. The product may not be effective in those situations where the briquet can be removed from the site by flushing action.

ALTOSID XR BRIQUETS prevent the emergence of adult mosquitoes including: *Anopheles*, *Culex*, *Culiseta*, *Coquillettidia*, and *Mansonia* spp., as well as those of the floodwater mosquito complex (*Aedes* and *Psorophora* spp.) from treated water. Treated larvae continue to develop normally to the pupal stage where they die.

NOTE: Methoprene insect growth regulator has no effect on mosquitoes which have reached the pupal or adult stage prior to treatment.

PRECAUTIONARY STATEMENTS

**HAZARDS TO HUMANS
AND DOMESTIC ANIMALS**

CAUTION

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic dipteran. Using it in a manner other than that described by the label could result in harm to aquatic dipteran. 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.

APPLICATION TIME

Placement of ALTOSID XR BRIQUETS should be at or before the beginning of the mosquito season. ALTOSID XR BRIQUETS can be applied prior to flooding when sites are dry, or on snow and ice in breeding sites prior to spring thaw. Under normal conditions, one application should last the entire mosquito season, or up to 150 days, whichever is shorter. Alternate wetting and drying will not reduce their effectiveness.

APPLICATION RATES

Aedes and *Psorophora* spp.: For control in non-(or low-) flow shallow depressions (≤ 2 feet in depth), treat on the basis of surface area, placing 1 briquet per 200 ft². Briquets should be placed in the lowest areas of mosquito breeding sites to maintain continuous control as the site alternately floods and dries up.

Culex, *Culiseta*, and *Anopheles* spp.: Place one ALTOSID XR BRIQUET per 100 ft².

Coquillettidia and *Mansonia* spp.: For application to cattail marshes and water hyacinth beds. For control of these mosquitoes, place one briquet per 100 ft².

Culex sp. in storm water drainage areas, sewers, and catch basins: For catch basins, place 1 briquet into each basin. In cases of large catch basins, follow the chart below to determine the number of briquets to use. For storm water drainage areas, place 1 briquet per 100 feet square of surface area up to 2 ft deep. In areas that are deeper than 2 feet, use 1 additional briquet per 2 feet of water depth.

Large water flows may increase the dissolution of the briquet thus reducing the residual life of the briquet. Regular inspections (visual or biological) in areas of heavy water flow may be necessary to determine if the briquet is still present. The retreatment interval may be adjusted based on the results of an inspection.

Number of Briquets	Catch Basin Size (Gallons)	Surface Area/Water Depth (ft)
1	0 – 1500	0 – 2
2	1500 – 3000	2 – 4
3	3000 – 4500	4 – 6
4	4500 – 6000	6 – 8

APPLICATION SITES

ALTOSID XR BRIQUETS are designed to control mosquitoes in treated areas. Examples of application sites are: storm drains, catch basins, roadside ditches, fish ponds, ornamental ponds and fountains, other artificial water-holding containers, cesspools and septic tanks, waste treatment and settling ponds, flooded crypts, transformer vaults, abandoned swimming pools, tires, construction and other manmade depressions, cattail marshes, water hyacinth beds, vegetation-choked phosphate pits, pastures, meadows, rice fields, freshwater swamps and marshes, salt and tidal marshes, treeholes, woodland pools, floodplains, and dredging spoil sites. For application sites connected by a water system, i.e., storm drains or catch basins, all of the water-holding sites in the system should be treated to maximize the efficiency of the treatment program.

STORAGE AND DISPOSAL

STORAGE

Store in a cool place. Do not contaminate water, food, or feed by storage or disposal. Do not reuse empty container.

DISPOSAL

Dispose of empty bag 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, express 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 or visit our Web site: www.altosid.com.



Wellmark International
Schaumburg, Illinois U.S.A.

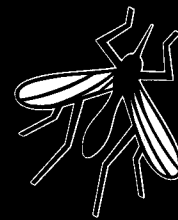


Zoecon® A Wellmark International Brand
ALTOSID® XR Extended Residual Briquets and ZOECON®
are registered trademarks of Wellmark International.
©2000 WELLMARK INTERNATIONAL

November 2000
Schaumburg, IL

Altosid[®] XR

EXTENDED RESIDUAL BRIQUETS



Supplemental Labeling

All label restrictions and Directions for Use of Altosid[®] XR Extended Residual Briquets apply. Now Labeled for use in known fish habitats.

ACTIVE INGREDIENTS:

(S)-Methoprene [Isopropyl(2E, 4E, 7S)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate]*
(Dry Weight Basis):2.1%

INERT INGREDIENTS:97.9%

TOTAL:100.0%

*US patents: 3,904,662 and 3,912,815

This product contains water, therefore the weight of the briquet and percent by weight of active ingredient will vary with hydration. The ingredient statement is expressed on a dry weight basis.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

EPA Reg. No. 2724-421-64833

INTRODUCTION: ALTOSID[®] XR Briquets are designed to release effective levels of methoprene insect growth regulator over a period up to 150 days in mosquito breeding sites. Release of methoprene insect growth regulator occurs by dissolution of the briquet. Soft mud and loose sediment can cover the briquets and inhibit normal dispersion of the active ingredient. The product may not be effective in those situations where the briquet can be removed from the site by flushing action.

ALTOSID XR Briquets prevent the emergence of adult mosquitoes including Anopheles, Culex, Culiseta, Coquillettidia, and Mansonia spp. as well as those of the floodwater mosquito complex (Aedes and Psorophora spp.) from treated water. Treated larvae continue to develop normally to the pupal stage where they die.

NOTE: Methoprene insect growth regulator has no effect on mosquitoes which have reached the pupal or adult stage prior to treatment.

PRECAUTIONARY STATEMENTS

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic dipteran. Using it in a manner other than that described by the label could result in harm to aquatic dipteran. Do not contaminate water when disposing of rancid or equipment washwaters.

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

APPLICATION TIME: Placement of ALTOSID XR Briquets should be at or before the beginning of the mosquito season. ALTOSID XR Briquets can be

applied prior to flooding when sites are dry, or on snow and ice in breeding sites prior to spring thaw. Under normal conditions, one application should last the entire mosquito season, or up to 150 days, whichever is shorter. Alternate wetting and drying will not reduce their effectiveness.

APPLICATION RATES: Aedes and Psorophora spp.: For control in non-(or low-) flow shallow depressions (≤ 2 feet in depth), treat on the basis of surface area, placing 1 methoprene briquet per 200 ft². Briquets should be placed in the lowest areas of mosquito breeding sites to maintain continuous control as the site alternately floods and dries up.

Culex, Culiseta and Anopheles spp.: Place one ALTOSID XR Briquet per 100 ft².

Coquillettidia and Mansonia spp.: For application to cattail marshes and water hyacinth beds. For control of these mosquitoes, place one briquet per 100 ft².

APPLICATION SITES: ALTOSID XR Briquets are designed to control mosquitoes in treated areas. Examples of application sites are: storm drains, catch basins, roadside ditches, fish ponds, ornamental ponds and fountains, other artificial water-holding containers, cesspools and septic tanks, waste treatment and settling ponds, flooded crypts, transformer vaults, abandoned swimming pools, tires, construction and other manmade depressions, cattail marshes, water hyacinth beds, vegetation-choked phosphate pits, pastures, meadows, rice fields, freshwater swamps and marshes, salt and tidal marshes, treeholes, woodland pools, floodplains, and dredging spoil sites. For application sites connected by a water system, i.e., storm drains or catch basins, all of the water holding sites in the system should be treated to maximize the efficiency of the treatment program.

STORAGE AND DISPOSAL:

STORAGE: Store in a cool place. Do not contaminate water, food, or feed by storage or disposal. Do not reuse empty container.

DISPOSAL: Dispose of empty bag 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, express 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, call 1-800-248-7763

 **SANDOZ**
SANDOZ AGRO, INC.

1300 EAST TOUHY AVENUE, DES PLAINES, ILLINOIS 60018

ALTOSID[®] and ALTOSID[®] XR Briquetes
are registered trademarks of Sandoz Ltd.
©1997 SANDOZ AGRO. INC.

April 1997
Des Plaines, IL

97-24-0060

Altosid[®] Liquid Larvicide MOSQUITO GROWTH REGULATOR

PREVENTS EMERGENCE OF ADULT FLOODWATER MOSQUITOES

SPECIMEN LABEL

ACTIVE INGREDIENT:

(S)-Methoprene* 5%

OTHER INGREDIENTS: 95%

Total 100%

* CAS # 65733-16-6

Formulation contains 0.43 lb/gal (51.3 g/liter) active ingredient.

EPA Reg No. 2724-392

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE ADDITIONAL PRECAUTIONARY STATEMENTS

Because of the unique mode of action of **A.L.L.**[™], successful use requires familiarity with special techniques recommended for application timing and treatment evaluation. **See Guide to Product Application** or consult local Mosquito Abatement Agency.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS

CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

FIRST AID

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 eye. • Call a poison control center or doctor for treatment advice.

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 equipment washwaters or rinsate.

DIRECTIONS FOR USE

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

CHEMIGATION

Refer to supplemental labeling entitled "Guide to Product Application" for use directions for chemigation. Do not apply this product through any irrigation system unless the supplemental labeling on chemigation is followed.

MIXING AND HANDLING INSTRUCTIONS

1. SHAKE WELL BEFORE USING. **A.L.L.** may separate on standing and must be thoroughly agitated prior to dilution.
2. Do not mix with oil; use clean equipment.
3. Partially fill spray tank with water; then add the recommended amount of **A.L.L.**, agitate and complete filling. Mild agitation during application is desirable.
4. Spray solution should be used within 48 hours; always agitate before spraying.

APPLICATION INSTRUCTIONS

INTRODUCTION

A.L.L. must be applied to 2nd, 3rd, or 4th larval instars of floodwater mosquitoes to prevent adult emergence. Treated larvae continue normal development to the pupal stage where they die. This insect growth regulator has no effect when applied to pupae or adult mosquitoes. **A.L.L.** has sufficient field life to be effective at appropriate rates when applied to larval stages under varying field conditions. For further information, see Guide to Product Application.

METHODS OF APPLICATION

AERIAL

Use the prescribed amount of **A.L.L.** listed below in sufficient water to give complete coverage. One-half to 5 gallons of spray solution per acre is usually satisfactory. Do not apply when weather conditions favor drift from areas treated.

GROUND

Determine the average spray volume used per acre by individual operators and/or specific equipment. Mix **A.L.L.** in the appropriate volume of water to give the rate per acre as indicated below.

APPLICATION RATE

Apply 3 to 4 fl oz of **A.L.L.** per acre (219 to 293 ml/hectare) in water as directed.

APPLICATION SITES

PASTURES

A.L.L. may be applied after each flooding without removal of grazing livestock.

RICE

A.L.L. must be applied to 2nd, 3rd, and/or 4th instar larvae of mosquitoes found in rice, usually within 4 days after flooding. **A.L.L.** treatment may be repeated with each flooding.

INTERMITTENTLY FLOODED NONCROP AREAS

A.L.L. may be applied as directed above when flooding may result in floodwater mosquito hatch.

Typical sites include freshwater swamps and marshes, salt marshes, woodland pools and meadows, dredging spoil sites, drainage areas, waste treatment and settling ponds, ditches and other natural and manmade depressions.

CROP AREAS

A.L.L. may be applied to irrigated croplands after flooding to control mosquito emergence. Examples of such sites are: vineyards, rice fields (including wild rice), date palm orchards, fruit and nut orchards, and berry fields and bogs. Irrigated pastures may be treated after each flooding without the removal of grazing livestock.

DENSE VEGETATION OR CANOPY AREAS

Apply an **A.L.L.** sand or BIODAC mixture using standard granular dispersal equipment. For detailed preparation instructions, refer to Guide to Product Application.

STORAGE AND DISPOSAL

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

STORAGE

Store in cool place. Store product away from other pesticides, food, and feed. In case of leakage or spill, soak up with sand or another absorbent material.

CONTAINER DISPOSAL

Triple rinse or equivalent. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

PESTICIDE DISPOSAL

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

Seller makes no warranty, expressed or implied, concerning the use 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.

Always read the label before using the product.

For information, call 1-800-248-7763 or visit our Web site: www.altosid.com

Wellmark

Wellmark International
Schaumburg, Illinois U.S.A.

ZOECON
Professional
Products

Zoecon® A Wellmark International Brand
A.L.L.™, ALTOSID® Liquid Larvicide Concentrate, and
ZOECON®, are trademarks of Wellmark International.

May, 2003
Schaumburg, IL

VectoLex[®] FG

BIOLOGICAL LARVICIDE

FINE GRANULE

ACTIVE INGREDIENT:

<i>Bacillus sphaericus</i> 2362, Serotype H5a5b, strain ABTS 1743 fermentation solids, spores, and insecticidal toxins . . .	7.5%
OTHER INGREDIENTS	92.5%
TOTAL	100.0%

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

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

EPA Reg. No. 73049-20

EPA Est. No. 33762-IA-001

List No. 05722

INDEX:

- 1.0 First Aid
- 2.0 Precautionary Statements
 - 2.1 Hazard to Humans (and Domestic Animals)
 - 2.2 Environmental Hazards
- 3.0 Directions for Use
- 4.0 Storage and Disposal
- 5.0 Directions for Use - VectoLex FG
 - 5.1 Application Directions
- 6.0 Notice to User

KEEP OUT OF REACH OF CHILDREN CAUTION

1.0

FIRST AID	
If in eyes	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center for treatment advice.
If on skin or clothing	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible.• Call a poison control center or doctor for further treatment advice.
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. Avoid contact with skin, eyes or clothing. Wear protective eyewear. 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 sensitizations.

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.

For use only by federal, state, tribal or local government officials responsible for public health or vector control, or by persons certified in the appropriate category or otherwise authorized by the state or tribal lead pesticide regulatory agency to perform mosquito control applications, or by persons under their direct supervision. IN CALIFORNIA: This product is to be applied by County Health Department, State Department of Health Services, Mosquito and Vector Control or Mosquito Abatement District personnel, or persons under contract to these entities only.

4.0 STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Do not contaminate water when disposing of equipment washwaters.

Pesticide Storage: Store in a cool, dry place.

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

Container Handling: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment, then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

5.0 DIRECTIONS FOR USE - VECTOLEX FG

5.1 Application Directions

MOSQUITO CONTROL

VectoLex[®] FG Biological Larvicide Fine Granule (hereafter referred to as VectoLex FG) is a selective microbial insecticide for use against mosquito larvae in a variety of habitats. VectoLex FG can be applied to areas that contain fish, other aquatic life, and plants. VectoLex FG can be applied to areas used by or in contact with humans, pets, horses, livestock, birds, or wildlife.

CONTINUED

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

Habitat	Rate Range
Wastewater: Sewage effluent, sewage lagoons, oxidation ponds, septic ditches, animal waste lagoons, impounded wastewater associated with fruit and vegetable processing.	5-20 lbs/acre**
Stormwater/Drainage Systems: Storm sewers, catch basins, drainage ditches, retention ponds, detention ponds and seepage ponds.	5-20 lbs/acre**
Marine/Coastal Areas: Salt marshes, mangroves, estuaries.	5-20 lbs/acre**
Water Bodies: Natural and manmade aquatic sites such as lakes, ponds, rivers, canals, streams and livestock watering ponds and troughs.	5-20 lbs/acre**
Dormant Rice Fields: Impounded water in dormant rice fields. (For application only during the interval between harvest and preparation of the field for the next cropping cycle.)	5-20 lbs/acre**
Waste Tires: Tires stockpiled in dumps, landfills, recycling plants, and other similar sites.	0.5-2 lbs/ 1000 sq. ft.

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

Habitats:	Rate Range
Rice, pastures/hay fields, orchards, citrus groves, irrigated crops.	5-20 lbs/acre**

Apply VectoLex FG uniformly by aerial or conventional ground equipment. Reapply VectoLex FG as needed after 1 to 4 weeks.

* Mosquito species effectively controlled by VectoLex FG, including many of those known to carry/transmit West Nile virus:

Culex spp.
Aedes vexans
Ochlerotatus melanimon (*Aedes melanimon*)
Ochlerotatus stimulans (*Aedes stimulans*)
Ochlerotatus nigromaculis (*Aedes nigromaculis*)
Psorophora columbiae
Psorophora ferox
Ochlerotatus triseriatus (*Aedes triseriatus*)
Ochlerotatus sollicitans (*Aedes sollicitans*)
Anopheles quadrimaculatus
Coquillettidia perturbans

**Use higher rates (10 to 20 lbs/acre) in areas where extended residual control is necessary, or in habitats having deep water or dense surface cover.

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.

6.0 NOTICE TO USER

To the extent consistent with applicable law, seller makes no warranty, express or implied, of merchantability, fitness or otherwise concerning the use of this product other than as indicated on this label. To the extent consistent with applicable law, user assumes all risks of use, storage or handling not in accordance with accompanying directions.

VectoLex® WDG

BIOLOGICAL LARVICIDE

WATER DISPERSIBLE GRANULE

ACTIVE INGREDIENT:

Bacillus sphaericus 2362, Serotype H5a5b, Strain
ABTS 1743 dried concentrate 51.2% w/w

OTHER INGREDIENTS..... 48.8% w/w

TOTAL 100.0% w/w

Potency: This product contains 650 BsITU/mg or 0.299 Billion BsITU/lb.

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

EPA Reg. No. 73049-57

EPA Est. No. 33762-IA-001

List No. 60201

INDEX:

- 1.0 First Aid
- 2.0 Precautionary Statements
 - 2.1 Hazard to Humans (and Domestic Animals)
 - 2.2 Environmental Hazards
- 3.0 Directions for Use
 - 3.1 Chemigation
- 4.0 Storage and Disposal
- 5.0 Application Directions
- 6.0 Ground and Aerial Application
- 7.0 Notice to User

KEEP OUT OF REACH OF CHILDREN CAUTION

1.0 FIRST AID	
If in eyes	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.
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 for emergency medical treatment and/or transport emergency information. For all other information, call 1-800-323-9597.	

2.0 PRECAUTIONARY STATEMENTS

2.1 HAZARD TO HUMANS (AND DOMESTIC ANIMALS) CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling. Mixer/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 contaminate water when cleaning equipment or disposing of equipment washwaters.

3.0 DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply directly to treated finished drinking water reservoirs or drinking water receptacles.

3.1 Chemigation

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

4.0 STORAGE AND DISPOSAL

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

Storage: Store in cool [59-86°F (15-30°C)], 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 Disposal: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after flow begins to drip. Repeat this procedure two more times. Once cleaned, offer container 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.

5.0 APPLICATION DIRECTIONS

Do not apply when wind speed favors drift beyond the area of treatment.

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

Habitats	Rate Range
Wastewater: Sewage effluent, sewage lagoons, oxidation ponds, septic ditches, animal waste lagoons, impounded wastewater associated with fruit and vegetable processing	0.5-1.5 lbs/acre (8 oz-24 oz/acre)
Stormwater/Drainage Systems: Storm sewers, catch basins, drainage ditches, retention, detention and seepage ponds	0.5-1.5 lbs/acre (8 oz-24 oz/acre)
Marine/Coastal Areas: Salt marshes, mangroves, estuaries	0.5-1.5 lbs/acre (8 oz-24 oz/acre)
Water Bodies: Natural and manmade aquatic sites such as lakes, ponds, rivers, canals and streams	0.5-1.5 lbs/acre (8 oz-24 oz/acre)
Dormant Rice Fields: Impounded water in dormant rice fields (For application only during the interval between harvest and preparation of the field for the next cropping cycle)	0.5-1.5 lbs/acre (8 oz-24 oz/acre)

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

Habitats

Rice, pastures/hay fields,
orchards, citrus groves,
irrigated crops

Rate Range

0.5-1.5 lbs/acre
(8 oz-24 oz/acre)

Use higher rates (1 to 1.5 lbs/acre) in areas where extended residual control is necessary, or in habitats having deep water or dense surface cover.

Apply uniformly by aerial or conventional ground equipment. Reapply as needed after 1-4 weeks.

*Mosquito species effectively controlled by VectoLex WDG:

Culex spp.

Aedes vexans

Ochlerotatus melanimon (*Aedes melanimon*)

Ochlerotatus stimulans (*Aedes stimulans*)

Ochlerotatus nigromaculis (*Aedes nigromaculis*)

Psorophora columbiae

Psorophora ferox

Ochlerotatus triseriatus (*Aedes triseriatus*)

Ochlerotatus sollicitans (*Aedes sollicitans*)

Anopheles quadrimaculatus

Coquillettidia perturbans

For ground spraying, apply 8-24 oz./acre (227-680 g/acre) of VectoLex WDG in 5-100 gallons of water per acre using hand-pump, airblast, mist blower, or other spray equipment. For aerial application, apply 8-24 oz./acre (227-680 g/acre) of VectoLex WDG through fixed wing or helicopter aircraft equipped with either conventional boom and nozzle systems or rotary atomizers at a convenient dilution rate. For aerial application, apply 0.5-10 gallons/acre of the final spray mixture to provide uniform coverage of the target area.

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 spray drift. The applicator and treatment coordinator are responsible for considering all these factors.

Rinse and flush spray equipment thoroughly following each use.

Amount of VectoLex WDG needed to treat small areas:

Area To Treat	Rate of VectoLex WDG/Acre		
	8 oz.	16 oz.	24 oz.
1/4 Acre	2 oz	4 oz	6 oz
1/2 Acre	4 oz	8 oz	12 oz
10 Acres	5 lb	10 lb	15 lb
20 Acres	10 lb	20 lb	30 lb

6.0 GROUND AND AERIAL APPLICATION

VectoLex WDG may be applied using conventional ground or aerial application equipment with quantities of water sufficient to provide uniform coverage of the target area. For application, first add the VectoLex WDG to water to produce a final spray mixture. The amount of water will depend on weather, spray equipment, and mosquito habitat characteristics. For application, fill the mix tank or plane hopper with the desired quantity of water. **Start the mechanical or manual agitation to provide moderate circulation of water before adding the VectoLex WDG.** Backpack and compressed air sprayers may be agitated by shaking after adding VectoLex WDG to the water in the sprayer. VectoLex WDG suspends readily in water and will stay suspended over normal application periods. Brief recirculation may be necessary if the spray mixture has sat for several hours or longer. Do not mix more VectoLex WDG than can be used in a 48 hour period. **AVOID CONTINUOUS AGITATION OF THE SPRAY MIXTURE DURING SPRAYING.**

7.0 NOTICE TO USER

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

VectoLex is a registered trademark of Valent BioSciences Corporation.

AllPro®

Sustain MBG

Biological Larvicide



Active Ingredient:

<i>Bacillus thuringiensis</i> subspecies <i>israelensis</i> Strain BMP 144 solids, spores and insecticidal toxins*	5.71%
Other Ingredients	94.29%
Total:	100.00%

*Equivalent to 400 International Toxic Units (ITU/mg)
(0.182 Billion ITU/pound).

Potency units should not be used to adjust rates beyond those specified in the Directions for Use section. **Note:** The percent active ingredient does not indicate product performance and potency measurements are not federally standardized.

KEEP OUT OF REACH OF CHILDREN

CAUTION

First Aid

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

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a poison control center or doctor for treatment advice.

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 eye. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals: Caution. Harmful if inhaled or absorbed through skin. Avoid contact with skin or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Mixers/loaders and applicators not in enclosed cabs or aircraft must wear waterproof gloves and a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-905 or P-95. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.

User Safety Recommendations: Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Environmental Hazards: Do not contaminate water when disposing of equipment wash waters. Do not apply to treated, finished drinking water reservoirs or drinking water receptacles.

DIRECTIONS FOR USE

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

Non-Agricultural Use Requirements

The requirements in this box apply to uses that are NOT within the scope of the Worker Protection Standard for agricultural pesticide (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Keep unprotected persons out of the treated area until sprays have dried.

AllPro Sustain MBG is a highly selective microbial insecticide effective against mosquitoes in a variety of habitats. Apply this product to any water sites except treated, finished water reservoirs or drinking water receptacles. This product can be applied to areas that contain aquatic life, fish and plants. This product can be applied to areas used by or in contact with humans, animals, horses, livestock, pets, birds or wildlife.

MOSQUITOES: Habitat	Rate Required for Control*
Pools, ponds, flood water, pastures, ditches, rice fields, brackish water, light to moderate populations	1.25 – 5 lbs./acre
Catch basins, tidal water, salt marshes, storm water detention areas, mangrove swamps, moderate pollution or organic content	5 – 8 lbs./acre

*Allow 24 hours for control. Under certain conditions, such as catch basins, sewage waste lagoons, high pollution or organic content, heavy vegetative cover and high mosquito populations, double the above application rates.

Specific Application Instructions

Apply 1.25 – 5 pounds of this product per acre with conventional aircraft or ground equipment. Use higher application rates in heavily polluted water, when mosquito populations are high, when larvae are nearly grown or in fourth instar, and when aquatic or covering vegetation is dense. Most treatments require not more than 5 pounds/acre. Apply only against mosquito larvae not pupae.

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

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

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 on site or at an approved waste disposal facility.

Container disposal: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

READ ENTIRE LABEL BEFORE USING

Read the entire Directions for Use, Conditions, Disclaimer of Warranties, and Limitation of Liability before using this product. By using this product User and Buyer accept the following Conditions and Disclaimer.

CONDITIONS: The Directions for Use of this product are believed to be adequate and should be followed carefully. However it is impossible to eliminate all risks associated with the use of this product. Injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Value Garden Supply. All such risks shall be assumed by the User or Buyer.

DISCLAIMER: Value Garden Supply warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in the Directions For Use, subject to the inherent risks referred to above. Value Garden Supply makes no other express or implied warranty of fitness or merchantability or any other express or implied warranty. To the extent provided by law Value Garden Supply shall not be liable for any consequential, special, or indirect damages resulting from the use, handling or application of this product.

EPA Reg. No. 769-992
EPA Est. No. 44616-MO-1 (a)

NET CONTENTS: 40 LBS.

RM#12013

Distributed by:
Value Garden Supply
PO Box 585
St. Joseph, MO 64502
(952) 884-6477

Natular™ XRT



To be used in governmental mosquito control programs, by professional pest control operators, or in other mosquito or midge control operations.

Active Ingredient (dry weight basis): spinosad (a mixture of spinosyn A and spinosyn D)*	6.25%
Other ingredients	93.75%
Total	100.00%

U.S. Patent No. 5,362,634 and 5,496,931

* A Naturalyte® Insect Control product

Natular XRT is a 6.25% tablet. This product may absorb moisture; therefore, the weight of the tablet and percent by weight of active ingredient will vary with hydration.

Group **5** INSECTICIDE

Keep Out of Reach of Children **CAUTION**

Precautionary Statements

Hazards to Humans and Domestic Animals

Harmful if swallowed. Causes moderate eye irritation. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Avoid contact with eyes or clothing. Wear protective eyewear (such as goggles, face shield, or safety glasses).

First Aid

- If swallowed:**
- Call a poison control center or doctor immediately for treatment advice.
 - Have person sip a glass of water if able to swallow.
 - Do not induce vomiting unless told to do so by a poison control center or doctor.
 - Do not give anything to an unconscious person.

- If in eyes:**
- Hold eye open and rinse slowly and gently with warm 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.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-214-7753 for emergency medical treatment information.

Environmental Hazards

This product is toxic to aquatic organisms. Non-target aquatic invertebrates may be killed in waters where this pesticide is used. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

Directions for Use

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

Read all Directions for Use carefully before applying.

General Information

Natular XRT is a Naturalyte® product for killing mosquito and midge larvae. This product's active ingredient, spinosad, is biologically derived from the fermentation of *Saccharopolyspora spinosa*, a natu-

rally occurring soil organism. Natular XRT tablets release effective levels of spinosad over a period up to 180 days in mosquito breeding sites. The tablet is designed for easy application to catch basins.

Release of spinosad is affected by the dissolution of the Natular XRT tablet. If tablets become covered by obstructions such as debris, vegetation, or loose sediment as a result of high rainfall or flow, normal dispersion of the active ingredient can be inhibited. Water flow may increase the dissolution of the tablet, thus reducing the residual life of the tablet. Inspect areas of water flow to determine appropriate re-treatment intervals. To assure positive results, place Natular XRT tablets where they will not be swept away by flushing action.

General Use Precautions

Integrated Pest Management (IPM) Programs

Natular XRT is intended to kill mosquito and midge larvae. Mosquitoes are best controlled when an IPM program is followed. Larval control efforts should be managed through habitat mapping, active adult and larval surveillance, and integrated with other control strategies such as source reduction, public education programs, harborage or barrier adult mosquito control applications, and targeted adulticide applications.

Insecticide Resistance Management (IRM)

Natular XRT contains a Group 5 insecticide. Insect biotypes with acquired resistance to Group 5 insecticides may eventually dominate the insect population if appropriate resistance management strategies are not followed. Currently, only spinetoram and spinosad active ingredients are classified as Group 5 insecticides. Resistance to other insecticides is not likely to impact the effectiveness of this product. Spinosad may be used in rotation with all other labeled products in a comprehensive IRM program.

To minimize the potential for resistance development, the following practices are recommended:

- Base insecticide use on comprehensive IPM and IRM programs.
- Do not use less than the labeled rates.
- Routinely evaluate applications for loss of effectiveness.
- Rotate with other labeled effective mosquito larvicides that have a different mode of action.
- In dormant rice fields, standing water within agricultural/crop sites, and permanent marine and freshwater sites, do not make more than 3 applications per year.
- Use insecticides with a different mode of action (different insecticide group) on adult mosquitoes so that both larvae and adults are not exposed to products with the same mode of action.
- Contact your local extension specialist, technical advisor, and/or Clarke representative for insecticide resistance management and/or IPM recommendations for the specific site and resistant pest problems.
- For further information or to report suspected resistance, you may contact your local Clarke representative by calling 800-323-5727.

Application

Proper application techniques help ensure adequate coverage and correct dosage necessary to obtain optimum kill of mosquito and midge larvae. Natular XRT tablets can be applied prior to flooding, on snow and ice in breeding sites prior to spring thaw, or at any time after flooding in listed sites. Under normal conditions, one application will last the entire mosquito season, or up to 180 days, whichever is shorter. Natular XRT tablets will be unaffected in dry down situations and will begin working again during subsequent wetting events until the tablet is exhausted. Note: Natular XRT has no effect on mosquitoes which have reached the pupal or adult stage prior to treatment.

Application Sites and Rates

Natular XRT tablets are designed to kill mosquitoes in natural and manmade depressions that hold water. Do not apply to water intended for irrigation. Examples of application sites are:

Storm water drainage areas, sewers and catch basins, woodland pools, snow pools, roadside ditches, retention ponds, freshwater dredge spoils, tire tracks, rock holes, pot holes and similar areas subject to holding water.

Natural and manmade aquatic sites, fish ponds, ornamental ponds and fountains, other artificial water-holding containers, flooded crypts, transformer vaults, abandoned swimming pools, construction and other natural or manmade depressions.

Stream eddies, creek edges, detention ponds.

Freshwater swamps and marshes including mixed hardwood swamps, cattail marsh, common reed wetland, water hyacinth ponds, and similar freshwater areas with emergent vegetation.

Brackish water swamps and marshes, intertidal areas.

Sewage effluent, sewers, sewage lagoons, cesspools, oxidation ponds, septic ditches and tanks, animal waste lagoons and settling ponds, livestock runoff lagoons, wastewater impoundments associated with fruit and vegetable processing and similar areas.

Also for use in dormant rice fields (for application only during the interval between harvest and preparation of the field for the next cropping cycle) and in standing water within agricultural areas where mosquito breeding occurs: pastures/hay fields, rangeland, orchards, vineyards, and citrus groves. Do not apply to waters intended for irrigation.

For mosquito kill in non- or low-flow, shallow depressions (up to 2 feet in depth), treat on the basis of surface area placing 1 Natular XRT tablet per 100 sq ft. Place tablets in the lowest areas of mosquito breeding sites to maintain continuous kill as the site alternately floods and dries up.

For applications in storm water drainage areas, sewers and catch basins, place 1 Natular XRT tablet into each catch basin.

For application sites connected by a water system, i.e., storm drains or catch basins, treat all of the water holding sites in the system to maximize the efficiency of the treatment program.

For application to small contained sites which may not be amenable to a rate of a single tablet per 100 sq ft, use 1 tablet per contained site (e.g., cesspools and septic tanks, transformer vaults, abandoned pools, and other small artificial water-holding containers).

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool dry place in original container only.

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

Container Handling: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Warranty

To the extent consistent with applicable law CLARKE MOSQUITO CONTROL PRODUCTS, INC. makes no warranty, express 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.

Naturalyte® is a Trademark of Dow AgroSciences LLC

Natular™ is a Trademark of Clarke Mosquito Control Products, Inc.

Manufactured for
Clarke Mosquito Control Products, Inc.
159 North Garden Avenue
Roselle, IL 60172 U.S.A.

Made in the U.S.A. EPA Reg. No. 8329-84

EPA Est.8329-IL-03

Net Contents: 220 Tablets / 19.4 lbs / 8.8 kg

Lot/Batch No: