



U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Registration Division (7505P)
 1200 Pennsylvania Ave., N.W.
 Washington, D.C. 20460

EPA Reg. Number:
 8329-117

Date of Issuance:
 1/25/21

NOTICE OF PESTICIDE:

Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance:
 Unconditional

Name of Pesticide Product:
 Natular SC Mosquito Larvicide

Name and Address of Registrant (include ZIP Code):

Clarke Mosquito Control Products, Inc.
 159 N. Garden Avenue
 Roselle, IL 60172

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.
2. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 8329-117."
3. Submit one copy of the revised final printed label for the record before you release the product for shipment.

Signature of Approving Official:

Michael Walsh, Product Manager 11
 Invertebrate and Vertebrate Branch 2, Registration Division (7505P)

Date:

1/25/21

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 09/22/2020

If you have any questions, please contact David Drawbaugh by phone at 703-731-8818, or via email at Drawbaugh.David@epa.gov

Attachment

Text in [brackets] indicates optional text.

Text in {braces} denotes text that will not appear on final printed label or indicates to reviewer what type of information will be placed.

NATULAR[®] SC Mosquito Larvicide

[Mosquito Larvicide][.]

SPINOSAD	GROUP	5	INSECTICIDE
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[Liquid Suspension Concentrate][.]

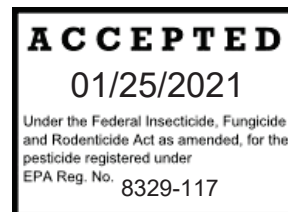
[An insecticide that kills mosquito larvae] [in] [urban] [residential] [industrial] [natural] [and] [rural] [areas][.]

[For use in] [urban and rural areas] [where mosquito breeding can occur] [including] [Temporary Standing Water] [Freshwater Sites] [Freshwater Swamps and Marshes] [Marine/Coastal Areas] [Stormwater/Drainage Systems] [Wastewater] [Dormant Rice Fields] [Natural and Artificial Containers] [Listed Agricultural/Crop sites where mosquito breeding can occur][.]

[[Kills larvae of mosquitoes which may transmit [West Nile Virus,] [WNV,] [Eastern Equine Encephalitis,] [EEE], [St. Louis Encephalitis,] [SLE,] [La Crosse Encephalitis,] [Dengue,] [Chikungunya,] [or] [Zika]]][.]

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

Active Ingredient:	
Spinosad (a mixture of spinosyn A and spinosyn D)	22.5%
Other Ingredients:	77.5%
Total	100.0%
Contains 2 lb of active ingredient per gallon.	



Keep Out of Reach of Children

PRECAUTIONARY STATEMENTS

Environmental Hazards

This product is toxic to aquatic invertebrates. Non-target aquatic invertebrates may be killed in water where this pesticide is used. Do not contaminate water when cleaning equipment or disposing of equipment washwaters. Do not apply when weather conditions favor drift from treated areas. Drift from treated areas may be hazardous to aquatic organisms in neighboring areas.

This product is highly toxic to bees and other pollinating insects exposed to direct treatment, or to residues in/on blooming crops or weeds. Protect pollinating insects by following label directions intended to minimize drift and to reduce risk to these organisms.

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.

Product Information

NATULAR SC Mosquito Larvicide is a product for killing mosquito larvae. This product's active ingredient, spinosad, is biologically derived from the fermentation of *Saccharopolyspora spinosa*, a naturally occurring soil organism. Mix NATULAR SC Mosquito Larvicide with water and apply with suitable ground or aerial application equipment.

USE PRECAUTIONS

Integrated Pest Management (IPM) Programs

NATULAR SC Mosquito Larvicide is intended to kill mosquito 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 SC Mosquito Larvicide 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 insecticide groups 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.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or Clarke representative.
- 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 20 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 1-800-323-5727.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size – Ground Boom

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

Controlling Droplet Size – Aircraft

- Adjust Nozzles - Follow nozzle manufacturers' recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

RELEASE HEIGHT - Aircraft

Higher release heights increase the potential for spray drift.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground

source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.

- Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

Where states have more stringent regulations, they must be observed.

APPLICATION

Proper application techniques help ensure adequate coverage and correct dosage necessary to obtain optimum kill of mosquito larvae. The following recommendations are provided for ground and aerial application of NATULAR SC Mosquito Larvicide.

Mixing Directions

NATULAR SC Mosquito Larvicide should be diluted with water. Shake well before using NATULAR SC Mosquito Larvicide. Avoid freezing. Fill the spray tank with water to about 1/2 of the required spray volume. Start agitation and add the required amount of NATULAR SC Mosquito Larvicide. Continue agitation while mixing and filling the spray tank to the required spray volume. Maintain sufficient agitation during application to ensure uniformity of the spray mix. Do not allow water or spray mixture to back-siphon into the water source.

[Mixing Formula: If an application rate of X fl oz of NATULAR SC Mosquito Larvicide per acre is desired, the spray equipment is calibrated to deliver Y gallons per acre, and a total of Z acres is being treated, the following formula would apply:

X fl oz of NATULAR SC Mosquito Larvicide per acre x Z acres to be treated = W total fl oz of NATULAR SC Mosquito Larvicide required

Y gallons per acre x Z acres to be treated = V total volume of water required

To treat Z acres, mix W fl oz of NATULAR SC Mosquito Larvicide in V gallons of water and apply at a rate of Y gallons per acre.

For example, to treat 10 acres at 2.1 fl oz of NATULAR SC Mosquito Larvicide per acre with equipment calibrated at 2 gallons per acre, mix 21 fl oz of NATULAR SC Mosquito Larvicide into 20 gallons of water and apply at a rate of 2 gallons of finished spray per acre. The addition of NATULAR SC Mosquito Larvicide to the total volume of water will not significantly affect the total targeted volume of spray mixture.]

Ground Application

Use conventional ground application equipment with enough water to provide uniform coverage of the target area. Use hand-pump, airblast, mist blower, etc. spray equipment. Apply at the designated rate for the targeted site.

Spot Treatment

Apply NATULAR SC Mosquito Larvicide either undiluted or diluted with water as a spot treatment to areas where mosquitoes are breeding at rates appropriate for the treatment site habitat and conditions.

Aerial Application

NATULAR SC Mosquito Larvicide may be aerially applied through fixed wing aircraft or helicopter with either conventional boom and nozzle systems or rotary atomizers. Use a nozzle configuration that produces a droplet size distribution that ensures droplet deposition in the targeted area. Apply at the designated rates for the targeted site.

Application Sites and Rates

The rates listed are typical for efficaciously killing mosquito larvae in the listed habitat sites. Within this range, use lower rates when water is shallow, vegetation and/or pollution are minimal, and mosquito populations are low. Do not use less than labeled rates. NATULAR SC Mosquito Larvicide may be applied at rates up to 6.4 fl oz per acre in waters high in organic content (such as polluted water, sewage lagoons, animal waste lagoons, and waters with high concentrations of leaf litter or other organic debris), deep-water mosquito habitats or those with dense surface cover, and where monitoring indicates a lack of kill at typical rates. Do not re-apply within 7 days of the initial application unless monitoring indicates that larval populations have reestablished or weather conditions have rendered initial treatments ineffective.

USE RESTRICTIONS

- Do not apply directly to treated, finished drinking water systems.
- Do not apply to natural or artificial containers of water intended for consumption by people, animals, or livestock.

For killing mosquito larvae in residential, urban, industrial, and rural areas, and other natural and artificial or man-made sites:

Sites	fl oz/acre (lb ai/acre)
<p>Temporary Standing Water[:] Woodland pools, snow pools, standing pools, roadside ditches, retention ponds, floodwater, freshwater dredge spoils, tire tracks and other natural or manmade depressions, rock holes, pot holes and similar areas subject to holding water</p> <p>Other Freshwater Sites[:] Natural and manmade aquatic sites, edges of lakes, ponds, canals, stream eddies, creek edges, detention ponds</p>	1.2 – 2.1 (0.018 – 0.033)
<p>Freshwater Swamps and Marshes[:] Mixed hardwood swamps, cattail marsh, common reed wetland, water hyacinth ponds, and similar freshwater areas with emergent vegetation</p> <p>Marine/Coastal Areas[:] Intertidal areas above the mean high water mark, mangroves, brackish water swamps and marshes, coastal impoundments and similar areas</p>	2.9 (0.045)
<p>Stormwater/Drainage Systems[:] Storm sewers, catch basins, drainage ditches, storm water retention areas, and similar areas</p> <p>Wastewater[:] 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</p>	2.1 – 2.9 (0.033 – 0.045)
<p>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)</p>	1.2 – 2.1 (0.018 – 0.033)
<p>Natural and Artificial Containers[:] Tree holes, bromeliads, leaf axils, and other similar natural water holding containers or areas subject to holding water.</p> <p>Cemetery urns, bird baths, flower pots, garbage bins, cans, rain barrels, buckets, single tires, tires stockpiled, landfills, recycling plants and other similar areas, abandoned swimming pools, ornamental ponds, flooded roof tops and similar water holding sites</p> <p>Landfill containers, salvage yards, abandoned vehicles</p>	1.2 – 2.9 (0.018 – 0.045)

Agricultural/Crop sites where mosquito breeding occurs:

Apply NATULAR SC Mosquito Larvicide at the rate of 1.2 to 2.9 fl.oz./acre in standing water within agricultural/crop sites where mosquito breeding occurs: pastures/hay fields, rangelands, orchards, vineyards and citrus groves. Do not apply to waters intended for irrigation.

{Storage & Disposal statement for rigid, non-refillable container, 5 gallons or less}

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in original container only. In case of leak or spill, contain material with absorbent materials and dispose as waste.

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

Container Disposal: Non-refillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse** as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by State and local authorities.

{Storage & Disposal statement for rigid, non-refillable container, greater than 5 gallons }

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in original container only. In case of leak or spill, contain material with absorbent materials and dispose as waste.

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

Container Disposal: Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. **Triple rinse** as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by State and local authorities.

{Storage & Disposal statement for rigid, refillable container}

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in original container only. In case of leak or spill, contain material with absorbent materials and dispose as waste.

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

Container Disposal: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water and, if possible, spray all sides while adding water. If practical, agitate vigorously or Recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by State and local authorities.

[In case of emergency endangering health or the environment involving this product, call 1-800-214-7753 (available 24 hours a day, 365 days a year).]

[Refer to label booklet for Directions for Use] [Refer to inside of label booklet for Additional Precautionary Statements and Directions for Use including Storage and Disposal.] [Peel back book here and reseal after opening]

[Warranty]

To the extent consistent with applicable law, [seller] [Clarke Mosquito Control Products, Inc.] makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. To the extent consistent with applicable law, Buyer assumes all risk of use/handling of this material when use and/or handling is contrary to label instructions.]

**[Manufactured] [Produced] [By] [For]
Clarke Mosquito Control Products, Inc.
159 North Garden Avenue
Roselle, IL 60172 [U.S.A]
[1-800-323-5727]**

EPA Reg. No. 8329-XXXX
EPA Est. No. _____

Lot: _____
Net Contents: _____

[NATULAR® is a Registered Trademark of Clarke Mosquito Control Products, Inc.]