Keep Out of Reach of Children

CAUTION

Precautionary Statements

Hazard to Humans and Domestic Animals
Causes moderate eye irritation, Harmful if swallowed. Avoid contact with eyes or clothing. Wash thoroughly with non-irritant soaps
containing non-irritant detergents. Wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

FIRST AID

If in eyes: Hold open eyes and rinse slowly and gently with water for 15-20
minutes. Remove contact lenses, if present, after the first 5 minutes, then
continue rinsing eyes. Call a poison control center or doctor for treatment advice.

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 by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-214-7752 for emergency medical treatment information.

Environmental Hazards

This product is toxic to aquatic invertebrates. Non-target aquatic invertebrates may be killed in water where this product is used. Do not contaminate water when cleaning equipment or disposing of equipment washwater. Do not apply when weather conditions favor drift from treated areas. Drift from treated areas may be hazardous to aquatic organisms in neighboring areas. Apply this product only as specified on the label. This product is toxic to bees exposed to treatment and for 3 hours following treatment. Do not apply this product to blossoming, pollen-releasing or nectar-producing plants if bees may forage on the plants during this time period unless the application is made in response to a public health emergency declared by appropriate local or state authorities.

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

NATURAL 2EC is a Naturally® product for killing mosquito and midge larva.
This product's active ingredient, spirodithy, is biologically derived from the fermentation of Saccharopolyspora strain, a naturally occurring cell organism. NATURAL 2EC may be applied with suitable ground or aerial application equipment.

General Use Precautions

Integrated Pest Management (IPM) Programs
NATURAL 2EC 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 reductions, public education, surveillance, and targeted adulticidal applications.

Insecticide Resistance Management (IRM)
NATURAL 2EC contains a Group 5 insecticide. Insects with acquired resistance to Group 5 insecticides may eventually dominate the insect population if appropriate resistance management strategies are not followed. Currently, only spinosyn and spirodithy active ingredients are classified as Group 5 insecticides. Resistance to other insecticides groups is not likely to impact the effectiveness of this product. The active ingredient may be used in rotation with other labeled spinosyn and other approved IRM programs.

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

- Use insecticide use in combination with other IPM programs.

- Routinely evaluate applications for loss of effectiveness.

- Rotate with other labeled effective mosquito larvicides that have a different mode of action.

- In stormy weather, standing water within agricultural crops 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 Clarkes representative for insecticide resistance management and/or IPM recommendations for the specific sites and resistant pest problems.

- For further information or to report suspected resistance, you may contact our local Clarkes representative by calling 800-323-5777.

Mixing
NATURAL 2EC should be diluted with water. Shake well before using. NATURAL 2EC may separate on standing and must be thoroughly agitation prior to dilution. Fill a pulp cup spray tank with water. Start agitation and add the required amount of NATURAL 2EC. 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 bake-siphon in the water source. Do not mix NATURAL 2EC than can be used in a single application.

Mixing Formulation: If an application rate of X lb of NATURAL 2EC per acre is to be applied, fill the spray tank to be treated with water and then add a total of 2 oz of accets is being treated, the following formula would apply:
- X oz of NATURAL 2EC per acre x 2 acres to be treated = Total oz of NATURAL 2EC required

Use a pump sprayer calibrated to deliver 1 gal/100 acres per acre and a total of 2 oz of acres is being treated, the following formula would apply:
- X oz of NATURAL 2EC per acre x 2 acres to be treated = Total oz of NATURAL 2EC required

Y gallons per X acres = Total oz of NATURAL 2EC in gallons of water required.

For 2 oz, mix 8 oz of NATURAL 2EC in 4 gallons of water and apply at a rate of 1 gal/100 acres per acre.

For 2 oz, mix 2 gal of NATURAL 2EC per acre with equipment calibrated at 2 gal/100 acres, mix 2 gal of NATURAL 2EC into 20 gal of water and apply at 1 gal/100 acres per acre. The addition of NATURAL 2EC to the total volume of water will not significantly affect the targeted larvicide volume of spray mixture.

Spray Drift Management
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 is responsible for considering all of these factors when making the decision to apply this product. The following spray drift management requirements must be followed to avoid drift at different movement from applications:

1. The boom width must not exceed 10% of the wingspan or 90% of the rotor blade.
2. Motsos must always point backward, parallel with the air stream, and never be powered downward more than 45 degrees.
3. Making applications at the lowest height that is safe reduces exposure of drifters to evaporation and wind.
4. Do not apply when wind speed exceeds drift beyond the treatment area.

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

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

Spot Treatment
Apply NATURAL 2EC as a spot treatment to areas where mosquitoes are breeding at rates appropriate for the treatment site habitant and conditions.

Application Sites and Rates
These rates listed are typical for effectively killing mosquitoes and larvae that are in the designated site. Within this range, use lower rates when water is shallow, vegetation and/or position is minimal, and mosquito populations are low. Do not use less than the labeled rates. NATURAL 2EC may be applied at rates up to 0.4 oz per acre in waters in high organ 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 re-established or weather conditions have rendered initial treatments ineffective.

For killing mosquito larvae species in the following non-crop sites:

Agricultural/Crop sites where mosquitoes breeding occurs:
Apply NATURAL 2EC at the rate of 1.0 to 2.8 oz/acre in standing water within agriculture crop sites where mosquito breeding occurs: pastures/alfalfas, rangelands, orchards, vineyards, and citrus groves. Do not apply to waters intended for irrigation.

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 COMPLIANT TO LABEL INSTRUCTIONS.

Naturally® is a Trademark of Dow AgroSciences LLC
Natular™ is a Trademark of Clarke Mosquito Control Products, Inc. 

Manufactured by
Clarke Mosquito Control Products, Inc.
199 North Garden Avenue
Roselle, IL 60172

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Net Contents: 5 Gallons

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