

# NATULAR® EC

## A liquid emulsified concentrate larvicide for controlling mosquito breeding

Natular EC is a single-brood, liquid formulation in the Natular larvicide portfolio, developed and manufactured exclusively by Clarke. When applied to stagnant water sites and containers where mosquito breeding can occur, Natular EC will control larvae in all four feeding instar stages. Like all Natular products, the EC formulation is made with Qalcova® brand Spinosad.

### FLEXIBLE TREATMENT OPTIONS AND DIVERSE APPLICATIONS

Natular EC is a versatile treatment option that stops mosquito larvae from becoming flying, biting adults. The EC formulation can be used in a variety of freshwater sites, clean water containers, and polluted, stagnant, and/or waste water habitats. Please refer to the local product label for a full list of approved treatment sites.

### THE NATULAR LARVICIDE PORTFOLIO >>

Natular is in a chemical class different from all other larvicides and has a unique mode of action with a patented ingredient, Qalcova brand Spinosad, that is derived from a naturally occurring soil bacterium. As the only IRAC Class 5 chemistry for public health use, Natular products help fight resistance and control larvae of mosquitoes that may transmit Dengue, Chikungunya, Zika, Malaria, and West Nile Virus, including *Aedes*, *Anopheles* and *Culex*.

- » **Reduced Risk active ingredient** as designated by the US EPA, meaning it has reduced risk to human health and the environment when compared to other available alternatives
- » **US EPA Presidential Green Chemistry Challenge Award** winning active ingredient
- » **Unique mode of action** and a **novel class of chemistry**, providing highly efficacious larval control and a rotational option for insecticide resistance management
- » **Organic Materials Review Institute (OMRI) Listed** for use in and around organic agriculture and gardens (*formulation and country specific*)
- » **World Health Organization Pre-Qualification Program Listed** (WHO PQ Listed) for vector control (*formulation specific*)



## ENVIRONMENTALLY-FRIENDLY

Natular formulations containing Qalcova brand Spinosad set the standard for efficacy, environmental stewardship and resistance management. They offer unique mode of action and have been proven effective on more than 20 different mosquito species. Spinosad has low acute and chronic toxicity towards mammals and other non-target organisms, and degrades rapidly in both soil and water.

## HOW TO APPLY NATULAR EC AND PRODUCT SPECIFICATIONS

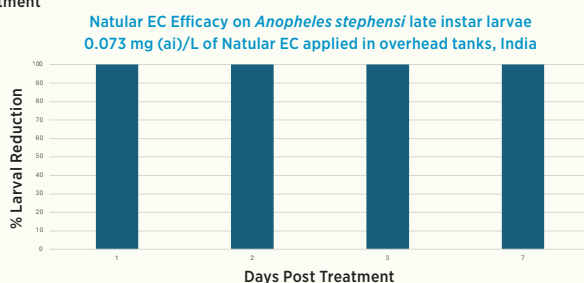
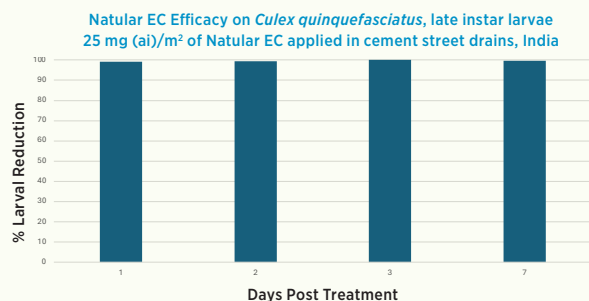
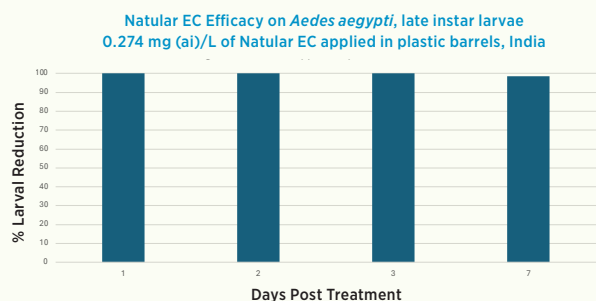
Natular EC can be applied by a hand-pump, airblast machine, mist blower or other targeted ground spray equipment, or by air through a fixed wing aircraft or helicopter. Please refer to your local product label for specific in-country application instructions and rate ranges. Higher rates may be available for waters containing

heavy organic content, dense surface cover or deep water habitats. Always ensure application equipment is properly calibrated for use.

### Natular EC

- » Light brown, liquid emulsion concentrate containing 20.6% Qalcova brand Spinosad
- » Sold for public health use in 1L HDPE bottles, 10 bottles per case
- » May be applied on a 7 day interval, unless monitoring indicates larval populations have re-established early or weather conditions have rendered initial treatments ineffective
- » Minimal PPE requirements for handlers and applicators

Natular EC is registered for mosquito control use in many countries around the world. Field trials conducted in India confirmed the formulation's efficacy on three key vector species: *Aedes aegypti*, *Anopheles stephensi*, and *Culex quinquefasciatus* species.



Making communities around the world more livable, safe and comfortable.

### GLOBAL HEADQUARTERS

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The World Needs



Mosquito Control

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