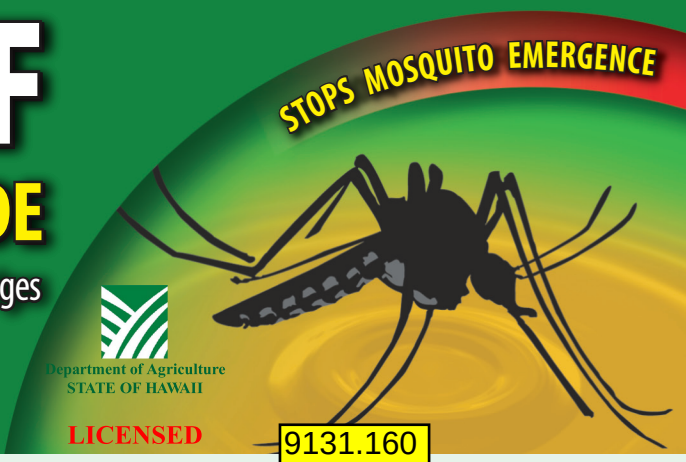
AGNIQUE® MMF

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 • Biodegradable • Spreads to Cover Hard to Reach Areas



Department of Agriculture
STATE OF HAWAII

LICENSED

PERIOD 2015-2017 LIC. NO. 9131.160 Disc.

ACTIVE INGREDIENT

Poly (oxy-1,2-ethanediyl), α-(C_{16-20} branched and linear alkyl)-ω-hydroxy- 100%

EPA Reg. No. 7969-333 **EPA Est. No. 53263-OH-001**

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID	
If on skin or clothing	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	• Hold eye open and rinse slowly and gently with plenty of water for 15 to 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.

HOTLINE 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 BASF Corporation for emergency medical treatment information at 1-800-832-HELP (4357).

PRECAUTIONARY STATEMENTS

Hazards to Human and Domestic Animals

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

In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).

Department of Agriculture
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LICENSED

PERIOD 2012-2014 LIC. NO.

Net Contents: 53 gallons
NVA 2012-24-401-0004

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

Nonrefillable container. DO NOT reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by state or local authorities.

DIRECTIONS FOR USE

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

Intended to be used in governmental mosquito control program, by professional pest control operators, or in other mosquito or midge control operations.

APPLICATION DIRECTIONS

This product may be applied by both ground and aerial applications. To use, calculate the desired rate based on water surface area. The water depth is not a factor in rate determination. Spray the desired rate of **AGNIQUE® MMF Mosquito Larvicide & Pupicide** onto the surface of the water. No dilution is required and a fan spray is recommended. **AGNIQUE MMF** will spread to cover hard to access areas. For large areas with dense vegetation, apply 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 **AGNIQUE MMF** on the water surface will form a white globule.

BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709

BASF
The Chemical Company

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. **Not for Homeowner Use in the States of CA and NY.**

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

Application Rates	Application Rates	
	MOSQUITO HABITAT	MIDGE HABITAT
Fresh and Brackish Water*	0.2 to 1.0 gallons/acre* (2 to 10 liters/hectare)*	0.5 to 1.0 gallons/acre^ (5 to 10 liters/hectare)^
Polluted Waters**	0.35 to 1.0 gallons/acre** (3.5 to 10 liters/hectare)**	0.5 to 1.0 gallons/acre^ (5 to 10 liters/hectare)^

* Use the lower rate (0.2 gallons/acre) 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.
^ Reapply every two weeks during the midge season.

APPLICATION INFORMATION

Rate of Kill: The rate of kill when using **AGNIQUE® MMF Mosquito Larvicide & Pupicide** 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 to 96 hours. If the film is present, 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 10 mph (16 km/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 (16 km/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 **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 **AGNIQUE MMF** at the nozzle to a maximum of 10% in water. **DO NOT** add **AGNIQUE MMF** to water in nonagitated spray systems. Conventional bypass recirculation will not provide adequate agitation to effectively mix **AGNIQUE MMF** in water. **AGNIQUE MMF** may also be diluted in **AGNIQUE MMF Diluent**, **Eco-Ash A**, or another appropriate diluent. **AGNIQUE MMF** may be diluted 1 part **AGNIQUE MMF** to 4 parts or greater of diluents. Fill the spray tank or container with the desired amount of **AGNIQUE MMF Diluent**, **Eco-Ash A**, or another appropriate diluent, and then add the correct amount of **AGNIQUE MMF**. Agitate to ensure a homogeneous solution. When diluting with **AGNIQUE MMF Diluent**, **Eco-Ash A**, or another appropriate diluent, the use of metering pumps, injector systems or other mixing systems is optional.

Application rates based on two dilution options:

AGNIQUE MMF to Diluent	Application Rate of Diluted Product
1 part to 4 parts	1 to 5 gallons/acre
1 part to 9 parts	2 to 10 gallons/acre

When a different dilution rate is used, adjust the application rate accordingly. **DO NOT** use less than 4 parts diluents to 1 part **AGNIQUE MMF** because it may not form a stable, homogenous solution.

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.

CONDITIONS OF SALE AND WARRANTY

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product.

Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S EXCLUSIVE REMEDY AND BASF'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, EXEMPLARY, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

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