

BIOPREN[®] M 5 CS

LIQUID MOSQUITO LARVICIDE



Microencapsulated, time-release larvicide formulation based on S-Methoprene Insect Growth Regulator (IGR) for professional use

BIOPREN[®] M 5 CS liquid mosquito larvicide contains the active ingredient S-Methoprene partly micro-encapsulated and partly as 'free' form, which retards the release of the active ingredient and improves photo-stability. Therefore, the residual time of the product will increase. It is to be used on semi-permanent (floodwater) and permanent sites, but mainly for sites of floodwater mosquito breeding areas after flooding, or rice fields and other irrigated croplands after flooding.

ACTIVE INGREDIENTS: 5 % S-Methoprene
(3.75 % microencapsulated, 1.25 % 'free')

ADVANTAGES:

- Retarded release of methoprene active ingredient by encapsulation.
- As an EC can be spread directly on water surface.
- Sand granule can be formulated from BIOPREN® M 5 CS, providing an option for local end-use product formulation.

PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: liquid
Odour: characteristic
Solubility in water: soluble in water
Colour: milky, pale yellow
Relative density: 1,020 g/ cm³
Stability: stable under normal conditions
Storage: frost sensitive, keep above +5°C
Conditions to avoid: heat, direct sunshine, sources of ignition

GENERAL INFORMATION:

It breaks the mosquito's life cycle by killing the larvae before they become biting, breeding adults. Methoprene prevents the emergence of adult mosquitoes including *Anopheles*, *Culex*, *Culiseta*, *Coquilletidia*, and *Mansonia* sp. as well as those of the floodwater complex, *Aedes* and *Psorophora* sp. Larvae treated with methoprene may develop to the pupal stage where they die. It has no effect on mosquitoes which have reached the pupal or adult stage before treatment.

DIRECTION OF USE:

Should be spread evenly on the water surface when larvae are detected at breeding site or after flood. For aerial application use the recommended amount in sufficient water to give complete coverage (5-50 l/ha is usually satisfactory.) For ground application determine the average spray volume used per ha or per m² by individual operators and/or equipment.

Dosage: 220 - 360 ml/ha, depending on quality of water.

PACKAGING: 1 litre/bottle, 55 litres/drum

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