MosquiGone

a product by

H2K TECHNOLOGIES

INNOVATIVE ECO-CARE PRIVATE LIMITED

MosquiGone

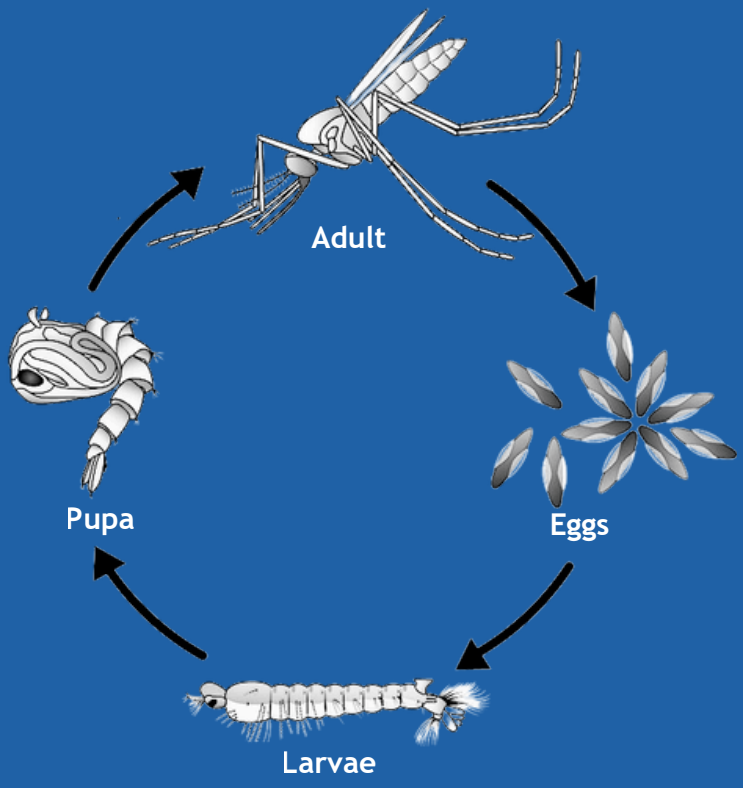
Mosquitoes are a big concern of all tropical societies. They buzz around, leaving itchy bites that can ruin peaceful living and can make us sick with Dengue, Malaria, Chikungunya, and in certain habitats, even yellow fever, Zika and West Nile Virus. However, these tiny insects play a significant role in the ecosystem. Mosquitoes are a vital food source for many animals like birds, bats, and fish. Additionally, they help with pollination by feeding on nectar. While they may be bothersome to us, mosquitoes are a crucial part of the natural world's delicate balance.

From the delicate balance of nature's intricate web, these buzzing insects contribute to the circle of life in ways we may not always appreciate. However, we need to defend ourselves against diseases and an unpleasant experience. So far, vector control by introducing toxic vector killing pesticides into the community has been adopted and replicated everywhere but it is still not enough to control the outbreaks and it alone has not been able to effectively restrict the spread of vector borne diseases.

We must address that Unhygienic conditions, stagnant water bodies, open sewers and canals, marshy areas, over-watered lawns and recreational landscapes, long-term water storage tanks in / around households are the breeding grounds for mosquitoes. At the same time, we need to adopt precautions and sprays or products that are non-toxic to us, our pets and livestock and the environment.

A simple life cycle of mosquito goes as

- An adult mosquito lays eggs in a water body
- The eggs hatch into larvae when the environmental or water conditions are favourable
- The larvae survives in water to mature into a Pupa which is still in water and eventually into an adult mosquito with the potential for carrying diseases.



Seeing this above, we realize that most of the life of the mosquito is spent in water. Therefore, its convenient to deal with them in the confined water body as the they can't fly away.

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It appears that controlling mosquitos will be effective if the control is exercised at egg and larvae stages. Mosquito Breeding Stage (MBS) is the time to control mosquitos. MBS has eggs and larvae, which have limited mobility and feeding mechanisms. Larvae feed on dead organic matter. If a competition is provided to larvae for food, we can control its breeding. This is where ***MosquiGone*** comes in.

MosquiGone is a Mixed Microbial inoculum made from GRAS (Generally Recognized As Safe) microbes, namely *Bacillus coagulans* (Lactic Acid Bacteria) & *Saccharomyces cerevisiae* (Baker's Yeast), through proprietary co-culturing process by using several natural resources. It carries Organic acids, Metabolites, Minerals, precursors, Enzymes etc. for rapid action on biomassess, aquatic habitats, water bodies and environment.

Mode of Action - *MosquiGone*

- Digests local organic matter which is food for larvae and hence making larvae more vulnerable,
- Acts as a temporary pH buffering agent so as to simulate a condition of threat so that the newer eggs do not hatch,
- Eventually digests the eggs that do not hatch and hence minimising the probable population of mosquitoes,
- Phytochemical constituents in the culture makes it a mosquito repellent.

How to Use - *MosquiGone*

Find out the possible mosquito breeding places like,
a.) stagnant water bodies,
b.) aquatic plants,
c.) holes of tree trunks during monsoon,
d.) or in the leaf-axils of bromeliads etc.

1. Prepare 5% (50 ml / 1 L water) solution of *MosquiGo*.
2. Spray the solution (mentioned in point number 1) over the possible mosquito breeding sites.
3. Please ensure to cover 100% surface area of such sites.
4. Frequency of spraying: a) For first month: Twice a week, b) From second month: Once a week.

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Benefits of using *MosquiGone*

- ***MosquiGone*** doesn't have any toxic chemicals
- ***MosquiGone*** doesn't have any harmful substances
- ***MosquiGone*** is made up of only food and nutraceutical grade ingredients
- ***MosquiGone*** improves the quality of water body / containers where mosquito breeding may happen
- ***MosquiGone*** is harmless to Humans, animals, pets, livestock, plants and the environment
- ***MosquiGone*** is safe and easy to use also as a repellent
- ***MosquiGone*** can be used to control mosquito populations in near lakes, ponds, and small water channels, gardens, parks, water tanks, water containers or puddles or any object that could hold stagnant water for a long time.

Storage and Shelf-life

Storage : Keep packaging tightly closed and store in a dry and cool place with adequate ventilation.

Shelf-Life: Its shelf life is 2 years from the date of Manufacture.

Frequently Asked Questions

Q: Recommended Dose of Dilution of ***MosquiGone*** in Saline Water
A: 10% V/V.

Q: In which cases can ***MosquiGone*** Diluted in Saline Water be used?
A: Natural Water Bodies, Marshy Lands and Sources of Water not being used for animal or Human Consumption of drinking, washing or cleaning

Q: Recommended Frequency of Checking/Evaluation of Sites post Treatment with ***MosquiGone***
A: Twice a Month

Q: Recommended Conditions of Storage of ***MosquiGone***
A: In a Cool, Dry place, away from sunlight.

Q: Recommended Dose Addition in a Barrel of Water (Say 200 L)
A: Spray the Surface and opening of the Barrel with 5% Dilution of ***MosquiGone***. In case the barrel Orifice is small, 100 ml Diluted ***MosquiGone*** may be Added into the barrel.

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