

PURESAN® Bio Mosquito

Biological Mosquito Control – the natural way –
free of toxic chemicals



Innovation in Biotechnology



*CHANGE IS THE LAW OF LIFE. AND THOSE WHO LOOK ONLY TO THE
PAST OR PRESENT ARE CERTAIN TO MISS THE FUTURE.*

JOHN F. KENNEDY

Reg No: 2017/437105/07

Vat No: 4280279722



Gate 1, Unit 5, 11 Engwana Road, Sebenza, 1609



info@puresan.net



www.puresan.net



Sales: +27 (0)11 6090314


INNOVATIVE SOLUTIONS FOR ALL YOUR NEEDS

Puresan Bio Mosquito contains spore-forming, rod-shaped bacteria in the genus *Bacillus*. These bacterial strains are isolated from soil. The bacterial insecticides must be eaten by the target insects to be effective, they are not contact poisons. Once the bacterial cells are ingested by the mosquito larvae, it produces spores and crystalline protein toxin called endotoxin. The protein toxin is activated by alkaline conditions and enzyme activity in the insect's gut. The activated toxin attaches to specific receptor sites, it paralyzes and destroys the cells of the gut wall, allowing the gut contents to enter the insect's body cavity. Poisoned insects may die quickly from the activity of the toxin or may stop feeding and die within 2 to 3 days from the effects of septicemia (blood-poisoning). Bacterial treatments are inactivated within one to a few days in many outdoor situations, and repeated applications may be necessary for some pests.

PURESAN BIO MOSQUITO CONTROL CHARACTERISTICAL BENEFITS

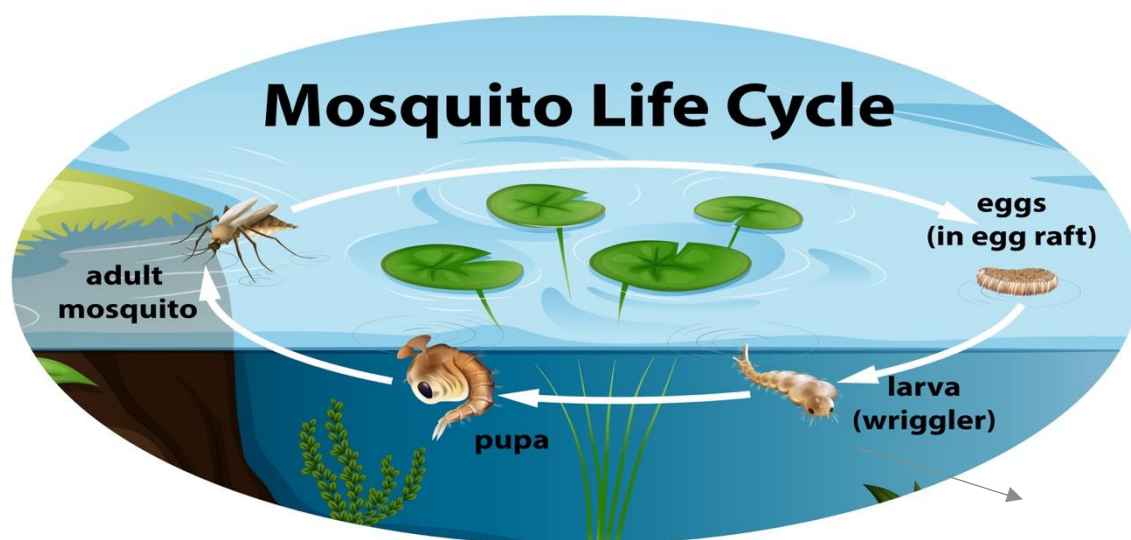
- Safe to use - Non-toxic to people and the environment
- Easy to use
- Cost effective alternative to chemical pesticides

AS ENVIRONMENTALLY POSITIVE AS IT GETS

- Making use of soil bacteria to solve mosquito infestation – using nature to solve problems
- Safe for users – simple to use – environmentally positive 

USAGE INSTRUCTIONS

- Add one litre of Puresan Bio Mosquito to every 50,000 L of water
- Dosing should be repeated to break the life-cycle of the mosquitoes. The life cycle of mosquitoes can vary between a few days up to 4 weeks, depending on the season and temperature.
- Puresan Bio Mosquito will only work on mosquito larvae, as this is the only stage where the mosquito “feeds” in water.



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