



September 1st, 2024

---

### **SENECIO sterile mosquito service**

Eyal is a 20 hectare green village in central Israel, home for some 200 private houses, alongside local business including animal husbandry, as well as high-tech technologies.

Across the village there are communal facilities, including the main dining room, playgrounds, five kindergartens and nurseries covering wide range of ages.

As a community with open green areas at the heart of the village, working closely with agriculture, and plenty of potential sources for mosquito breeding, we experienced a growing problem of aedes albopictus (Asian tiger) mosquitoes without any satisfying solution.

During 2024 mosquito season, we subscribed to the Senecio sterile mosquito program through its local vendor, Rentokil, and received weekly service of releasing sterile male mosquitoes across the majority of the public areas in the village, with some members of the village also joining to participate privately.

Within a few weeks we witnessed reduction in the mosquito biting pressure, reported by members of the community, both in the public areas, as well as by members who joined privately to treat their private houses.

Within less than 2 months into the program, while we entered what is usually considered the mosquito peak period, July-August, we hardly had any mosquito complains, reflecting a dramatic reduction in mosquito biting pressure on our community.

We feel the technology and the service have proven to do what they were meant for, and recommend for others using the Senecio special male mosquitoes as an effective and affordable solution against the growing problem of mosquitoes, allowing entire neighborhoods, communities, and municipalities to increase the quality of life for their residents.

Respectfully,

Oren Boasson

Maintenance Manager

Kibbutz Eyal

## SENECIO sterile mosquito service

Nir Eliyahu is a 25-hectare communal village (Kibbutz) in the Sharon area, central east Israel area.

The village attracted over the years many artists enjoying the lush green open areas of the kibbutz.

At the center of the kibbutz there are located a group of multiple nurseries, kindergartens and playgrounds, surrounded by green vegetation and trees all around them.

Over the recent years, as the aedes albopictus (Asian tiger) mosquito population increased, it became a great nuisance to our residents, especially with concern to the young children at the nurseries and the playgrounds who got bitten daily, requiring everyone to get well protected against the mosquitoes.

Past experience releasing chemicals resulted in quick increase of the mosquito population shortly afterwards, along growing opposition for the release of chemicals in the area.

This year, the kibbutz decided to cover the majority of the public areas with natural biological treatment, and we hired the service of Senecio, providing us with sterile male mosquitoes bred locally in their robotic sterile mosquito hub.

We started the program by June 2024, when the mosquito population was already thriving, following mapping the area by Senecio, and providing recommendations for the drop points amount and locations for the release of their sterile males.

The areas included most of the public areas, with special care to the nurseries and playgrounds, putting an effort to reduce the mosquito biting of the youngsters, toddlers and babies.

Within a few weeks we witnessed a reduction in the mosquito biting, and testimonials across the kibbutz provided evidence of dramatic reduction in mosquito biting of the children at the nurseries and kindergartens, resulting with high satisfaction of the service and the technology provided by Senecio. Already two months into the program, we witnessed great reduction in mosquito biting and hardly receive any complains across the public areas, which are one of the important indicators for us measuring the level of mosquito infestation.

Appreciating the contribution in reduction of the mosquito biting, we are satisfied for hiring the Senecio service and are happy to recommend it as an effective tool against the mosquitoes.

**Shelley Bortz**  
Community Manager  
Nir Eliyahu

קיבוץ נִיר אֵלִיָּהוּ  
ח.ג. 570009845