



Biological control

Sphaerophoria rueppellii

SIRFIcontrol | Technical sheet

PRODUCT:

- Bottle: 100 pupae
- Bottle 500 larvae
- Bottle 1000 larvae

DESCRIPTION

Sphaerophoria rueppellii species (Diptera: Syrphidae) is a predator of all **aphid species**, especially against *Macrosiphum*, native to the Mediterranean area.

MODE OF ACTION

Adults: adults feed on pollen and nectar. They fly very close to the ground to detect the prey. Once the prey is located, the female lays her eggs very close to the young aphid colonies, in order to facilitate the feeding of larvae upon their emergence.

Larvae: they are great predators of aphids and can also feed on whitefly, thrips and spider mites. During the first and second stages they are almost translucent, and shiny green in the third stage, making them difficult to see.

- Sensitive to low humidity
- Twilight-night activity. The larvae hide during the day
- Less number per plant than other predators, as they are very voracious

Pupae: pupae can be found on both the substrate and the leaves. Adults will emerge from them. Sensitive to direct sunlight



Egg

Larva

Pupa

Adult

ADVANTAGES

- Preventive and curative use.
 - It can be established in the crop even without aphids



- Wide range of temperature resistance.
 - Tolerable: 5-45°C
 - Optimal: 15-35°C
- High efficacy against all aphid species. Especially against *Macrosiphum*.
 - 1 adult lays 400 eggs and 1 larva devours 250 aphids.
- Ease of use and application.
- Compatible and complementary to parasitoids.
- Compatibility with the use of ecological insecticides (consult with your technician).
- Syrphids are great pollinators.

RECOMMENDED DOSE

- Preventive dose: 100-400 pupae/ha weekly until population is successfully established.
- Curative dose: release larvae weekly until population is successfully established.

Dosage can vary depending on the crop and the level of the pest. Consult the recommended dose with an Agrobío field advisor.

RECOMMENDED CROPS

Strawberry, sweet pepper, cucumber, and crops with aphids in general.

USE

Place the open bottle upright between the plants or near them. Place the bottle towards the center of the greenhouse, away from the bands in different release points than the previous introduction.

For preventive releases it is essential the presence of flowers prior to introducing them into the crop. If there is aphid already, place the bottle near the affected plants.

RECOMMENDATIONS

If the aphid focus is severe and there is already presence of molasses, it will be necessary to previously treat with compatible products and respect the indicated safety term. Contact your technician.

Ants can affect the effectiveness of the product, it is recommended to control them.

CONSERVATION

Do not break the cold chain throughout the transport and storage process. Do not store more than 24 hours after receipt. Keep at a temperature between 15-18°C, in a ventilated place and without direct exposure to sunlight and water and keep away from pesticide residues.

Ask about other available formats. Check with local authorities which species are authorized. This document is only for informative purposes, Agrobío is not responsible for the improper use of the product.

