

Biological control
Amblyseius swirskii

SWIRScontrol | TECHNICAL DATA SHEET

PRODUCT



- Tube 25,000 mites.
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- Box 500 sachet (250 ind/sachet).
- Bag 125,000 mites (5L).

DESCRIPTION OF THE PRODUCT



Amblyseius swirskii is a predatory mite, belonging to the Phytoseidae family, which appears spontaneously in various crops in different areas of the Mediterranean basin. It has a very polyphagous character, feeding on eggs and **whitefly** larvae (*Bemisia tabaci* and *Trialeurodes vaporariorum*), nymphs of **thrips** and, to a lesser extent, red and white **spider mite**.

It has great mobility, spreading quickly on the underside of the leaves and flowers. In the absence of prey, it feeds on pollen, surviving until the appearance of its preferred prey.

BIOLOGY. *Amblyseius swirskii* completes the cycle from egg to adult in 5 or 7 days at a temperature of 25ºC (77ºF) or 26ºC (78.8ºF). The cycle is lengthened by decreasing the environmental temperature, although, by not going into diapause, it will remain in the crop until the environmental conditions are appropriate and its population will increase. It supports high temperatures with low relative humidity, conditions that occur in greenhouse crops in summer conditions.

MODE OF ACTION

- The mites insert their mouthparts and completely empty their prey.
- It is a very interesting species for preventive and curative control.



Agrobío S.L., Ctra. Nacional 340, nº 81, 04745 La Mojonera, Almería, Spain | agrobio.es | @AgrobioSL

ADVANTAGES

- Good control of whiteflies and thrips, it also preys on red and white spider mite.
- All *A. swirskii* mobile stages are predators of whitefly, preferably eggs and young larvae.
- Compatible and complementary with other predators and parasitoids.
- It can be used for preventive and/or curative control.

RECOMMENDED DOSE

- 50 - 150 individuals/m^2.

Dosage can vary according to preventive dose, medium curative or high curative, depending on the crop and the level of infestation of the pest. Consult an Agrobío field advisor for the recommended dose.

In preventive control it is recommended to feed *A. swirskii* with POWERfood 3.0 (prey mites) directly in the plant to favor the installation of predatory mites when there is not enough pest in the crop. Consult the strategy with an Agrobío field advisor.

RECOMMENDED CROPS

Cucumber, sweet-pepper, eggplant, blueberries, vegetables, and ornamental crops in general.

USE

Before opening the bottle, set it horizontally and rotate it to mix the content. Spread the mites over the leaves of the plants. If the product comes in sachets separate them carefully and hang them on the stems of the plants at medium height according to the recommended dose.





PRESERVATION

Keep the box or bottle horizontally and at a temperature between 15ºC (59ºF) and 18ºC (64.4ºF). Do not break the cold chain in all the transport and storage process. Do not store the product more than 48 hours after receipt, and never expose it to sunlight or pesticides. Do not store with bumblebee hives in areas without ventilation.

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