

Biocontrol
Neoseiulus cucumeris

AMBLYcontrol® | TECHNICAL DATA SHEET

PRODUCT



- Tube 100,000 individuals.
- Bag 250,000 individuals.
- Bag 500,000 individuals.
- Box 500 sachets (1,000 individuals/sachet).

DESCRIPTION OF THE PRODUCT

Neoseiulus cucumeris (formerly known as *Amblyseius cucumeris)* is a predatory mite belonging to the phytoseidae family, which mainly feeds on eggs and larvae of **thrips**. It stands out for its excellent mobility on the underside of the leaves and on the flower and because it can survive in the absence of prey if it is found in plants with pollen, such as peppers.

BIOLOGY. The life cycle of *Neoseiulus cucumeris* is completed in 6 days at 25ºC (77ºF), although it can take three times more to complete if the ambient temperature is below 20ºC (68ºF). It does not withstand extreme temperature conditions and is sensitive in situations of relative humidity below 50%, drastically decreasing its predatory capacity. With low humidity (less than 65%) the development of *N. cucumeris* is slowed down because there is no more hatching of the eggs. In cucumber it has been shown that it does not suffer in low humidity situations, thanks to the favourable microclimate in the cucumber leaf.

ACTION MODE

- The mites insert their mouthparts into their prey and completely empty them, feeding on their internal contents.
- *Neoseiulus cucumeris* should be applied especially for the control of thrips nymphs in their first larval stage. This predatory mite can also feed on other mites such as red spider mite and white spider mite, as well as on honeydew and pollen, which allows it to remain active even in the absence of thrips.



Adult

ADVANTAGES

- Good performance for the control of thrips eggs and larvae.
- Ideal for preventive control.
- Compatible and complementary with other predators and parasitoids.

RECOMMENDED DOSE

- 1 sachet/m^2 or 500 to 1,000 ind/m^2. A replacement will be made depending on the crop and its cycle.

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 *N. cucumeris* with **POWERfood 3.0** (prey mites) directly in the plant to favour the installation of predatory mites when there is not enough pest in the crop. Consult the strategy with an Agrobío field advisor.

RECOMMENDED CROPS

It can be used in a wide range of crops, such as strawberry, sweet-pepper and cucumber.

USE

- Sachet: the sachets will be separated carefully and hung directly on the plant at half height. Predatory mites will gradually emerge.

- Tube/bag: before opening the tube/bag inside the crop, set it horizontally and rotate to mix the content homogeneously. Spread it directly on the plants (leaves) in small piles.

PRESERVATION

Keep the box or bottle horizontally and at a temperature of between 15ºC and 18 ºC (59ºF and 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.

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.