

Biological control
Stratiolaelaps scimitus

HYPOcontrol | TECHNICAL DATA SHEET



PRODUCT:

- Tube of 10,000 individuals
- Tube of 25,000 individuals
- Bag of 125,000 individuals (5 L)

DESCRIPCIÓN DEL PRODUCTO

Stratiolaelaps scimitus (formerly known as *Hypoaspis miles*) is a predatory mite belonging to the family Laelapidae. It prefers fungus gnat larvae (sciarids) and thrips pupae over other prey

BIOLOGY. It is a relatively large mite, reaching up to 1 mm in length, with a pear-shaped body and brown coloration. Females are generally larger than males.

It has several developmental stages: egg, larva, two nymphal stages (proto- and deutonymph), and adult. The duration of the life cycle depends on temperature, humidity, and the availability and quality of prey. At 28°C, development from egg to adult is completed in 9.6 days; this period increases to 33–34 days at 15°C. Population development does not occur below 10°C. When prey is abundant, it can survive for more than 7 months.

MODE OF ACTION

- Adults, larvae, and nymphs are predatory stages. There is a clear preference for fungus gnat larvae over other prey, particularly younger larvae.
- It can consume up to 8 small fungus gnat larvae per day.
- It acts within the top 4–5 cm of the soil.



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VENTAJAS

- Highly effective in the control of fungus gnat larvae.
- Compatible and complementary with other parasitoids and predators.
- A typical soil-dwelling mite, rarely found on the above-ground parts of the crop.
- Contributes to thrips control by feeding on pupae in the soil.
- Suitable for both preventive and curative applications.

DOSIS RECOMENDADA

- Recommended rate: 200 to 500 individuals/m².

For more information, contact the Agrobío technical team.

RECOMMENDED CROPS

HYPOcontrol is recommended for seedbeds and nurseries, as well as any crop immediately before or after transplanting, to protect young seedlings from fungus gnat attacks.

It is also used in mushrooms, edible fungi, cut flowers, and potted ornamental plants in general.

APPLICATION

Before opening the container, place it horizontally and gently rotate it to homogenize the contents. Distribute the material directly onto the substrate or soil, previously moistened.

It is important that the growing medium temperature is not below 10°C or above 32°C and that sufficient moisture is present; outside these conditions, no population development will occur.

For more information, contact the Agrobío technical team.

TRANSPORT AND STORAGE

Store the container in a horizontal position at a temperature between 8°C and 10°C. Do not break the cold chain during transport and storage. Store for a maximum of 48 hours after receipt. Do not expose to direct sunlight and keep away from pesticide residues.

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