

Biological control
Encarsia formosa

ENCARcontrol® | TECHNICAL DATA SHEET

PRODUCT:



- Bottle with pupae from which 5,000 individuals will emerge.
- Bottle with pupae from which 15,000 individuals will emerge.
- Cards with pupae from which 3,000 individuals will emerge (60 ind./card)
- Cards with pupae from which 15,000 individuals will emerge (60 ind./card)
- Dispensing balls with pupae from which 15,000 individuals will emerge (125 ind./card)

DESCRIPTION OF THE PRODUCT

Encarsia formosa is a parasitic wasp of the greenhouse **whitefly** (*Trialeurodes vaporiorum*). It belongs to the family Aphelinidae.

Morphologically, the female has a dark brown to black head, dark brown to black thorax and yellow abdomen, and is about 0.6 mm in length. The male is completely black and larger than the female.

All sales formats contain pupae from which adults will emerge.

ACTION MODE

- Females are attracted to their host because of a volatile component in the honeydew secreted by the whitefly.
- Once a whitefly nymph is detected, the female *E. formosa* will insert an egg with her ovipositor into the whitefly nymph, from which a larva will hatch and consume the host.



Adult



Pupae (parasitized whitefly nymph)

ADVANTAGES

- Good behaviour for whitefly control.
- Compatible and complementary with other predators and parasitoids.

RECOMMENDED DOSE

- Preventive dose: 1.5 ind/m^2.
- Curative dose: 2-4 ind/m^2.

Introductions will be made weekly until a high level of parasitism (80 to 90%) is obtained.

The recommended dose is indicative; it will differ depending on the crop and the level of pest. Consult an Agrobío technician.

RECOMMENDED CROPS

Various horticultural, ornamental and fruit crops with presence of white fly.

USE

Before opening the bottle, place it horizontally and rotate so that the contents are homogeneous. Make the releases in boxes on the crop, distributing it evenly throughout the plantation, early in the morning or at dusk, or concentrate in the areas of greatest incidence of the pest.

If the format of the product is in cards, distribute them in the crop by hanging them on the plants according to the recommended dose.

If the format chosen is the dispensing balls, they can be dropped on the crop or hung on one of the tutors.



Card format in a tomato crop



Dispensing ball format hanging on the plant.



Dispensing ball format in soil

PRESERVATION

Keep the bottle or box horizontally, at a temperature between 8ºC (46.4ºF) and 10ºC (50ºF). Do no break the cold chain during the whole transport and storage process. Store a maximum of 48 hours after receipt, do not expose to sunlight 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.