Product data sheet

En-Strip

Encarsia formosa | Parasitic wasp



- For the control of whitefly, particularly greenhouse whitefly
- Effective at lower temperature range than *Eretmocerus eremicus*
- Can be used preventively or at first signs of pest presence

Use for

Pests

Greenhouse whitefly (*Trialeurodes vaporariorum*); Tobacco whitefly (*Bemisia tabaci*).

How it works

Mode of action

Adult female parasitic wasps parasitize the third and fourth larval stage of the whitefly. Additionally, host feeding also occurs.

Appearance

- Adults are black wasps of about 1 mm length with a yellow abdomen
- Immature stages develop inside the host



Pupa of *Encarsia formosa* on *Trialeurodes vaporariorum*



Encarsia formosa adult



Encarsia formosa parasitizing on whitefly

Visual effect

Parasitized *Trialeurodes vaporariorum* pupae turn black, *Bemisia tabaci* pupae become brownish. Adult wasps leave the pupae via a round hole.



Watch the biological control video of Encarsia formosa on whitefly

Product specifications

Pack size
3,000; 7,500; 15,000 pupae.

Presentation
Cardboard strips with 5 cards each, wrapped in plastic, in a cardboard box, each card holds 60 (30 for 1,500 product) parasitized whitefly pupae.

Developmental stage
Pupae.

Carrier
None.

Directions for use

Application
- Open package carefully inside the greenhouse
- Bend and tear off the strips opposite to the mounting hole
- Make sure not to touch the pupae during handling
- Suspend the cards in the crop, if possible approximately 75 cm under the plant head
- Avoid to hang cards at places exposed to direct sunlight



Watch the Application video of En-Strip

Dosage
The dosage of En-Strip depends on climate, crop and whitefly density and should always be adjusted to the particular situation. Start introduction preventively soon after planting of the crop. Introduction rates typically range from 1-10 per m^2/release. Releases should be repeated until control is achieved. At increasing temperatures it may be better to switch to the use of Enermix or Ercal. Consult a Koppert advisor or a recognized distributor of Koppert products for advice on the best strategy for your situation.

Environmental conditions
Encarsia formosa is most effective at temperatures between 20°C and 25°C (68 and 77°F). At a 24 hours average temperature below 17°C/63°F the control of whiteflies may be insufficient.

Combined use
En-Strip is best to be used in combination with generalist predatory mites (*Amblyseius andersoni*, *Amblyseius swirskii*, *Neoseiulus cucumeris* or *Amblydromalus limonicus*) or, in tomato, with predatory mirid bugs (*Macrolophus pygmaeus* or *Nesidiocoris tenuis*).

Side effects
Pesticides can have (in)direct effects on biological solutions. Find out which pesticides have side effects on this product.

Product handling

Storage time after receipt
Apply as soon as possible after receipt. If necessary, the product can be stored for 1-2 days.

Storage temperature
8-10°C/47-50°F.

Storage conditions
In the dark.

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