Product data sheet

Ercal

Eretmocerus eremicus | Parasitic wasp



- For the control of greenhouse whitefly and tobacco whitefly
- Effective at higher temperature range than *Encarsia formosa*
- 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 second and third larval stage of the whitefly. Additionally, host feeding also occurs.

Appearance

- Adults are yellow wasps of about 1 mm in size
- Immature stages develop inside the host



Eretmocerus eremicus pupae on *Trialeurodes vaporariorum*



Eretmocerus eremicus adult



Eretmocerus eremicus female parasitizing on whitefly

Visual effect

Parasitized whitefly pupae turn yellow, the adult parasitic wasp can be seen clearly within the parasitized whitefly pupae shortly before it emerges.

Product specifications

Pack size
3,000; 15,000 pupae.

Presentation
Cardboard strips with 5 cards each, wrapped in plastic, in a cardboard box, each card holds 60 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 Ercal

Dosage
The dosage of Ercal 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 at least 3 times at weekly intervals or until control is achieved. Depending on the specific situation, it may be better to switch to the use of En-strip or Enermix. Consult a Koppert advisor or a recognized distributor of Koppert products for advice on the best strategy for your situation.

Environmental conditions
For optimal efficacy the 24 hour average greenhouse temperature needs to be at least 20°C/68°F. *Eretmocerus eremicus* is still active at temperatures above 30°C/86°F.

Combined use
Ercal 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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