

Biological control of the palmivorous butterfly (Paysandisia archon)

Description

The palmivorous butterfly *Paysandisia archon* is an invasive pest emerging on several species of palm causing considerable damage: environmental, visual, economic and tourist. Researchers at the Villa Thuret experimental unit in Antibes have developed a biological control method for *P. archon* using trichogramma.



Type de transfert envisagé

Secret know-how license option

Avantages

Parasitoid capable of killing the pest at the egg stage, before the damage appears
Low production costs
Indigenous species (for France), fast-acting
This *Trichogramma* species is far more effective than the many other *Trichogramma* strains used to control other pests.

Applications potentielles

A new biological control agent for an emerging pest.

Mots clés

biological control, trichogramma, palm tree, palmivorous butterfly

Echelle TRL

1 2 3 4 5 6 **7** 8 9

Stade de développement

Laboratory, mesocosm and field tests carried out. Efficiency of 72% in mesocosms and over 55% in the field!

Laboratoire:

Unité Expérimentale Villa Thuret

Chercheurs:

Elisabeth TABONE

Contact:

INRAE Transfert – Alix MALATRAY Licensing
technology alix.malatray@inrae.fr - +33 (0)6 84 70
92 26

Date: 12-12-2023