



Project:

Efficacy of Certis products of natural origin on aphids

Certis

The company Certis, with its headquarters in Utrecht, commercialises crop protection products for agriculture and (protected) horticulture. The product portfolio has conventional products as well as an extensive range of registered products of natural origin, so called Biorationals. Research is carried out by the Product Development department of Certis to register these Biorationals and to increase the knowledge of these products in order to give sound advice to end users. A large part of the research for the protected horticulture is carried out at the Certis Innovation Center in Naaldwijk, The Netherlands. This Innovation Center is located in the advanced World Horti Center.

Objectives of the project

1. Testing insecticides of the Certis Biorational portfolio on efficacy of various aphid species, and define a specific dose rate for the species to be tested.
2. Determine optimal methods for application in practical circumstances and validate them in the Certis Innovation Center.

Description

Objective of the project is to test for efficacy different 'biorational' products on various species of aphids in horticultural crops, for instance *Myzus persicae*, *Alacorthum solanum*, *Aphis gossypii*, etc. Furthermore, determination of a dose rate per species should be investigated.

- In the first phase of the project, the methodology phase, the student will provide literature reviews, have discussions with experts and propose a research approach, which should include the composing of trial protocols.
- In the second phase, the experimental phase, the student is expected to carry out trials at different levels: laboratory level (petri dishes), greenhouse level (in cages), and practical, greenhouse level (plants). During the project, results will be presented to the Greenhouse Team at Certis. At the end of the project a report will be written.

Location of the internship will be in Certis Innovation Center, situated in World Horti Center, Naaldwijk, The Netherlands.

Address: Europa 1, 2672 ZX Naaldwijk

Duration: Preferably 5 months

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