

Final Programme

COST 850 Biocontrol Symbiosis

Practical Workshop on the Performance of Bioassays and Small-Scale Greenhouse Experiments using Biological Control Agents, especially Nematodes against Thrips

Number of attendees is limited to 15

Friday, January 20, 2006

13:00 Arrival at Koppert B.V., Berkel en Rodenrijs, NL

13:30 Welcome and Introduction to the Workshop (Koppert B.V., Berkel en Rodenrijs, NL)

Bioassays and other Laboratory Experiments with BCA's and Thrips

14:00 – 16:25 Practical demonstration of methodologies

- ◆ Design of bioassay equipment and techniques for testing epns against thrips on leaves, flower buds and in compost
Monique Tomiczek and Kerry Maulden (ADAS Boxworth, UK)
- ◆ Standard bioassay on thrips with adjusted rH
Harald Mikkelsen (Koppert B.V. Berkel en Rodenrijs, NL)
- ◆ Use of Potter Tower for bca and nematode application in bioassays (with thrips)

(10 minutes to go to the rest rooms ☺)

16:35 – 18:00 Discussion of protocols and general issues of lab- and bioassays
(coffee will be served during the discussion ☺)
How feasible is a Potter Tower for epn application? What parameters should be assessed?
Conclusion on standard consensus aspects; Definition of best-practices
Chairs: Monique Tomiczek and Kerstin Jung

18:00 – 19:30 Practical demonstration of methodologies

- ◆ Adjust and monitor nematode dosage
Arne Peters (E-nema Raisdorf, DE)
- ◆ Epn extraction techniques for assessing numbers and persistence of nematodes on leaves, buds, flowers and in compost / capillary matting
Monique Tomiczek and Kerry Maulden (ADAS Boxworth, UK)
- ◆ Bioassays for testing effects of phytochemicals on thrips behaviour
Elisabeth Koschier's methods presented by Kerstin Jung (SafeCrop, S.Michele, I)

20:00 – open end ☺ Dinner in “Hotel New York”

Saturday, January 21, 2006

Whole Plant-Assays and Greenhouse and Field Trials using BCA's, especially Nematodes against Thrips

8:30 – 10:30 Practical demonstration of equipment used and different procedures as well as appropriate evaluation methods applied according to the specificity of the crop and/or the thrips species worked with

- ◆ Use of whole plant experiment to test epns against WFT on pot chrysanthemum in cages and glasshouse compartments

Monique Tomiczek and Kerry Maulden (ADAS Boxworth, UK)

- ◆ Use of whole plant experiments to test epns and epfs against *T. tabaci* on onions

Kerstin Jung (SafeCrop, S.Michele, I)

- ◆ Small and large scale glasshouse trials with epns against thrips

Ellen Beerling (PPO Aalsmeer, NL)

- ◆ Field efficacy of Nemasys F against thrips on strawberries

Cyril Verdun, Becker-Underwood, UK

10:30 – 11:00 Coffee Break

11:00 – 13:00 Discussion and exchange of experiences

Plot size, sample size and sampling methods in relation to different crop species; Methods for assessing numbers of WFT on plants – visual and destructive assessments

Comparison laboratory vs greenhouse (pros and cons)

Chairs: Ellen Beerling and Harald Mikkelsen

13:00 Concluding remarks; Collection of 'current best practice' protocols and consideration of a joint publication; Closure of the workshop

14:00 Departure from Koppert B.V., Berkel en Rodenrijs, NL