

Services to companies: Laboratory trials – insects & mites

Pear sucker (*Cacopsylla pyri*): topical application on leaf discs

Technical question? Aims of the trial

What is the efficacy rate of the test product after a topical application of the pest on leaf discs in controlled conditions?

- at different dose rates or concentrations
- compared to a water-treated check and reference products
- on different origin populations
- on different life stages (young or old eggs, young or old larvae, summer or winter adults)

Trial summary

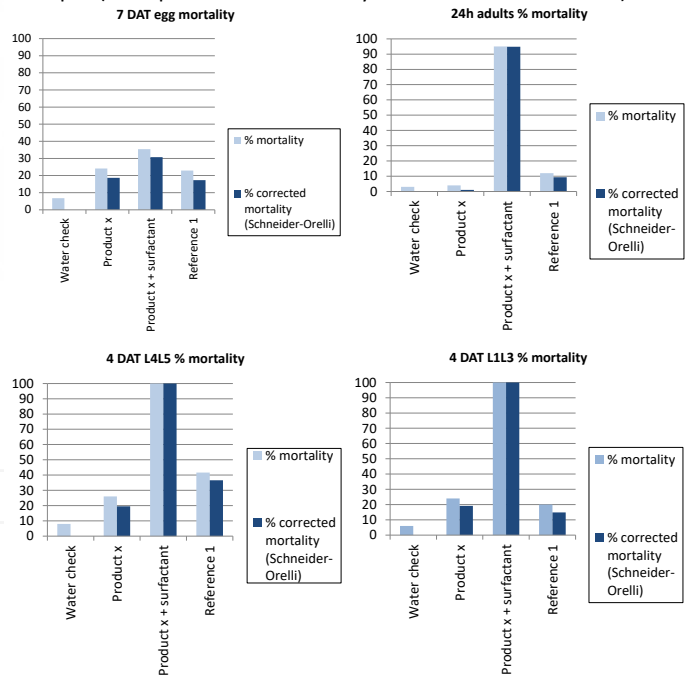
Trial in plant growth chambers under controlled conditions (T °C, RH)

- Availability of different pear sucker populations, collected from the field
- Treatments: Applications of (calibrated) dose rates (Potter spray tower)
 - 10 replicates
 - Different test products
 - Different dose rates
 - Different residue ages
 - Reference product(s)
 - Water-treated check
- Test on eggs (young or old eggs)
- Test on larvae (young or old larvae)
- Test on adults (summer or winter adults)
- Assessments
 - (Corrected) mortality
 - Egg hatching rate, further larval development, offspring evaluation
- Trial not suitable to determine systemic activity (additional trial on seedlings available)

Trial output

- Stage specificity data/graph
- Relative comparison of (corrected) mortality rates
- Trial/results updates in xls/ARM/docx
- Report (trial details, graphs, statistical analysis, conclusions)

Output (example of direct mortality at one of the assessments)



- Certified and (inter)nationally recognized centre of excellence in fruit research
- 75 years of experience and expertise
- GEP accredited
- Highly valued contractor for numerous product developments the past 75 years

Interested? Please do not hesitate to contact us:

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