pcfruit
PROEFCENTRUM FRUITTEELT VZW

Zoology
Department

Services to companies: Laboratory trials – insects & mites

Codling moth (*Cydia pomonella*) on apple

Technical question? Aims of the trial

What is the efficacy rate of the test product against codling moth in controlled conditions?

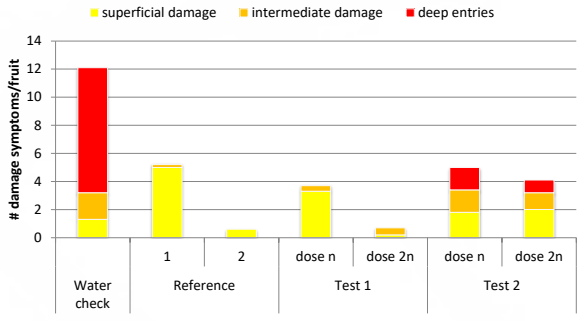
- at different dose rates
- compared to an untreated check and reference products
- on different pest populations
- on different life stages (eggs, larvae, adults)
- when treated in the lab (fresh residue) or treated in the field (fresh versus field aged residue)

Trial summary

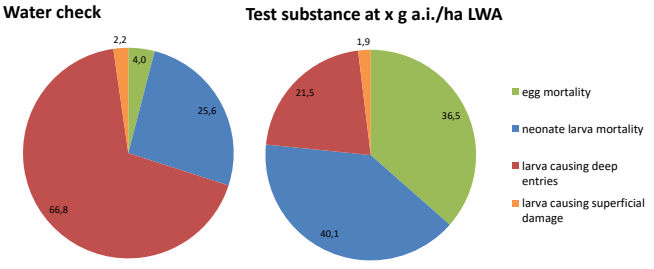
Trial in insect cages in climate chambers under controlled conditions (T°C, RH)

- Availability of untreated and unaffected fruits in our own orchards and a codling moth rearing
- Treatments: Applications of (calibrated) dose rates (dipped in the spray solution in the lab / treated in the orchard)
  - 10 replicates
  - Different test products
  - Different dose rates
  - Different residue ages
  - Reference product
  - Water-treated check
- Test on eggs (preventive and/or curative)
- Test on larvae
- Test on adults (with offspring evaluation)
- Assessments
  - Mortality
  - Degree of infestation

Damage after preventive ovicidal application



Stage specificity: curative ovicidal application



Trial output

- Stage specificity data/graph
- Relative comparison of efficacy rates
- Application interval confirmation
- Regular trial/results updates in xls/ARM/docx
- Report (trial details, graphs, statistical analysis, conclusions)

- 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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