



Services to companies: Laboratory trials – insects & mites

Pentatomidae Dried residue toxicity

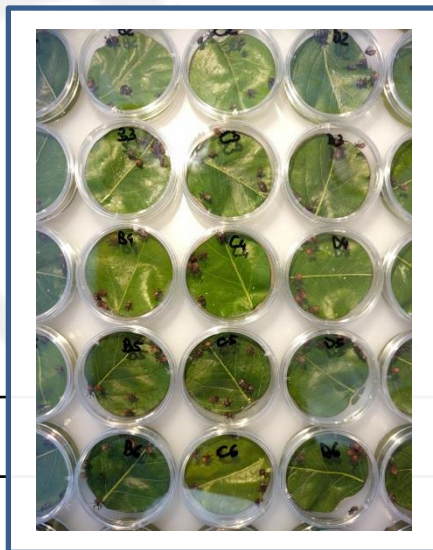
Technical question? Aims of the trial

Determination of the toxicity of dried residues of insecticides against *Palomena prasina*, *Halyomorpha halys* and *Nezara viridula*:

- Screening for insecticides
- Determination of adult/nymph mortality (adulticidal/nymphicidal action)
- Determination of the speed of adult/nymph mortality
- Determination of difference in sensibility between different populations

Trial summary

- Bugs to be tested are obtained by collecting them in the field and rearing them under controlled climate conditions in a plant growth chamber
- Age synchronization possible if desired
- Pear leaf disks collected in untreated orchards are dipped in or sprayed with an insecticide solution by a Potter Spray Tower (Burkard Scientific), air dried and mounted on agar-agar in petri dishes
- Transfer of the bugs on to the dried residue
- Assessments:
 - Number of living/affected/moribund/dead stinkbugs
 - Timing dependent on mode of insecticidal action
- Statistical analysis of outcomes



Trial output

- Data in xls/ARM + Report (M&M, graphs, summary, conclusions)
- Mortality rates in function of time of insecticide residues
- Screening of interesting compounds

- 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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