

Services to companies: Laboratory trials – insects & mites

The predatory bug (*Anthocoris nemoralis*)

Technical question? Aims of the trial

Characterize the side effects of chemical products used for pest control in pear orchards on *A. nemoralis* (in order to explore/prove the suitability of those products for use in IPM programs)?

- Spraying time ?
- Developmental stages (Eggs, young/old larvae, adults)?
- Products with contact/systemic activity?
- Climatological conditions (T°C, RH, photoperiod)?

What are the side-effects of the test product against *A. nemoralis* compared to reference products/control (check) ?

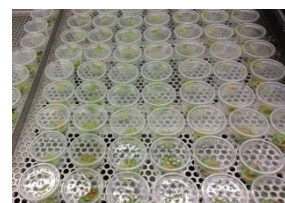
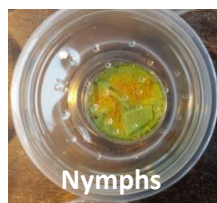
Trial summary

Trial in petri dishes and plastic containers suitable for *A. nemoralis* behavior in climate chambers under controlled conditions (T°C, RH, photoperiod)

- Rearing of *A. nemoralis* population on *Ephestia kuehniella* eggs and beans (for testing the side-effects of products on different developmental stages)
- Treatments: Pre- (or post-) releasing applications of (calibrated) dose rates (hand sprayer/ tower sprayer)
 - Minimal 4 replicates
 - Test product
 - Reference product : known toxic products
 - Control (check) : Water
 - Different application timings (depending on request/trial goals)
 - targeting different development stages: Eggs, young/old larvae, adults
 - Pre-releasing (residue) versus post-releasing (direct) applications
- Assessments (before and after application)
 - Number of living/dead/affected *A. nemoralis* (Eggs, young/old larvae, adults)
 - Offspring/adult performance
- Statistical analysis of outcomes

Trial output

- Regular trial/results updates
- Data in xls/ARM/docx
- Report (trial details, graphs, summary, 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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