

Services to companies: Laboratory trials – insects & mites

Parasitic wasps of aphids

Technical question? Aims of the trial

Characterize the side effects of chemical products used for pest control in fruit crops on aphid parasitoids (in order to explore/prove the suitability of those products for use in IPM programs)

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

What are the side-effects of the test product against aphid parasitoids compared to reference products/control (check)?

Trial summary

- Trial in petri dishes, containers or insect cages in plant growth chambers under controlled conditions (T°C, RH, photoperiod)
- Rearing of aphid parasitoids on target aphid (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, mummies, adults
 - → Pre-parasitization versus post-Pre-parasitization applications
- Assessments (before and/or after application according to the trial goals)
 - Number of living/dead/affected/formed parasitoids (Eggs, young/old larvae, mummies, adults)
 - Offspring/adult performance
- Statistical analysis of outcomes

Trial output

- Regular trial/results updates
- Data in xls/docx/ARM
- 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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