



Eurofins Agrosience Services Public & Environmental Health Australia

The Public and Environmental Health service line of Eurofins Agrosience Services undertakes laboratory and field research in the development of products and strategies to control, inhibit and repel urban pests.

Field work is conducted in residential, commercial and natural environments. All laboratory trials are conducted on site at our Bundaberg facility (Queensland) in four 20 m³ stainless steel lined test chambers with adjustable ventilation. These chambers are suitable for testing aerosols, liquid emanating devices and total release devices for crawling and flying insects and also for cockroach and ant bait evaluations.

Mosquito, fly, leech, tick, sandfly and march fly repellent testing can also be conducted in the chambers or in the field with human volunteers.

Our insectary at Bundaberg maintains colonies of black house ant, vinegar fly, crickets, carpet beetle, mosquitoes, houseflies, bluebottle fly, American cockroaches, German cockroaches, silverfish, stored product pests (Indian meal moth, almond moth, lesser grain borer, rice weevil, saw-tooth grain beetle, flat grain beetle, flour beetles), snails and slugs and clothing moth. Species that are not bred in the insectary are collected from the field and include other ant species, spiders, termites, bronze orange bugs and aphids.

We have experience in conducting trials in more than 40 different species in both field and lab studies. The species list includes (but is not limited to):

- Black House Ants (*Ochetellus glaber*)
- Coastal Brown Ants (*Pheidole megacephala*)
- Green Head Ants (*Rhytidoponera metallica*)
- Meat Ants (*Iridomyrmex purpureus*)
- White Footed Ants (*Technomyrmex albipes*)
- Carpet Beetles (*Anthrenus verbasci*)
- Common Hide Beetles (*Dermestes maculatus*)
- Elephant Weevil (*Orthorhinus cylindrirostris*)
- Flour Beetles (*Tribolium* sp.)
- Litter Beetles (*Alphitobius diaperinus*)
- American Cockroach (*Periplaneta americana*)
- German Cockroach (*Blattella germanica*)
- Cat Flea (*Ctenocephalides felis*)
- Housefly (*Musca domestica*)
- Sheep Blowfly (*Lucilia cuprina*)
- Vinegar Fly (*Drosophila* spp.)
- Sand Fly (*Austrosimulium* sp.)
- March Fly (*Tabanidae* family)
- Garden Snails (*Cornu aspersum*)
- Grey Garden Slug (*Deroceras reticulatum*)
- Leopard Slug (*Limax maximus*)
- Brown House Mosquito (*Culex quinquefasciatus*)
- Dengue Mosquito (*Aedes aegypti*)
- Salt Marsh Mosquito (*Aedes vigilax*)
- Indian Meal Moth (*Plodia interpunctella*)



- Bronze Orange Bug (*Musgraveia sulciventris*)
- Rodents (*Rattus*; *Mus*)
- Paper Nest Wasps (*Polistes humilis*)
- Silverfish (*Lepisma saccharina*)
- Portuguese Millipedes (*Ommatoiulus moreleti*)
- Crickets (*Gryllidae* family)
- Earwigs (*Forficula auricularia*)
- Black House Spiders (*Badumna insignis*)
- Cellar Spiders (*Pholcus phalangioides*)
- *Coptotermes* termites
- *Mastotermes* termites
- *Schedorhinotermes* termites
- Brown Dog Tick (*Rhipicephalus sanguineus*)
- Paralysis Tick (*Ixodes holocyclus*)
- Stored product pests (various)



We can also assist with protocol development. Below are some examples of the types of trials that have been run by the Public and Environmental Health service line:

- Palatability
- Efficacy
- Bio-equivalence
- Knockdown
- Mortality
- Residual control
- Attractiveness
- Repellency
- Bioassays
- Barrier potential
- Chemical Rainfastness
- Plant Phytotoxicity
- Bite inhibition
- Weathering potential
- Preference
- Long term barrier protection



Regulatory Services provided (by Eurofins Agroscience Services Regulatory Affairs Division):

- Chemistry and Manufacture
- Toxicology
- Metabolism and Kinetics
- Residues
- Occupational Health and Safety
- Environment
- Efficacy and Safety
- Label extensions



Our Commitment to You

- Excellent Quality – studies will be developed, scoped and fulfilled according to clients' requirements
- Communication – our clients should never have to be concerned how and when the study will be done
- On Time Delivery – data and reports are prepared and submitted according to your project timeline
- Confidentiality – no data will be published or discussed without approval from a sponsor

Eurofins Agroscience Services

If you would like to discuss how Eurofins Agroscience Services can assist you, please contact:

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