

Resume

Education/Qualifications

Institution: University of Queensland
Qualification: Bachelor of Agricultural Science (Rural Technology)
Completed: 2013

Publications

St. John Warne, M., Neale, P.A. & Macpherson, M.J. A Pesticide Decision Support Tool to guide the selection of less environmentally harmful pesticides for the sugar cane industry. *Environ Sci Pollut Res* (2023)

Consultation History

Project Management – Agricultural chemical registration for the AgVet minor crop access grant projects allocated to AgriFutures – 2023 – *Current (ongoing)*.

Review, update and maintain the NSW DPI *Weed Control in Winter Crops* guide 2023-2025 <https://www.dpi.nsw.gov.au/agriculture/broadacre-crops/guides/publications/weed-control-winter-crops> - *Current*

Minor Use Permit portfolio management for the Australian Tea Tree Association – *Current*

Queensland Government Department of Primary Industries – Created 4x eLearning modules *Legal requirements for developing a spray plan*. A step-by-step guide for primary producers on the legal requirements for pesticide spray application and record keeping under legislation. - 2023

Review, revision and update the Farmanco NSW, Vic & SA Pestbooks. Complete agronomic and regulatory review of the 300 + page agronomic guide designed by Farmanco (independent farm management consultancy company) for their southern broadacre cropping clients. – 2020/21.

Employment History

Farmacist

Senior Agronomist / Regulatory Consultant

September 2021 – Current

Co-author - *Pesticide Decision Support Tool* – Queensland Government funded tool for growers and advisors to make environmentally conscious decisions for pesticide selection. (*Pub. Pend.*)

Author - *Pesticide Decision Support Tool Risk Unit Model* – Assessment model for measuring risk to waterways from field-applied pesticides for use in evaluating practice change. The model is the government approved assessment method for pesticide projects in Queensland, Australia. (*Pub. Pend.*)

Author - Australian Tea Tree Association *Pesticide Guide -2022*

Responsibilities

- Manage Project Bluewater 2 – practice change for pesticide use to improve water quality.– Lower Burdekin.
- Provide technical pesticide advice to the Farmacist agronomic team.
- Develop pesticide management plans for growers tailored to their specific situation.
- Develop pesticide plans that are compliant to government regulations and reduce risk to waterways in the Great Barrier Reef Lagoon catchment.
- Present trial results, project updates and technical information relating to pesticides and their management to industry forums and field-days.
- Design and execute regulatory and demonstration field trials to appropriate standards. – Contracting to AgChem companies.
- Provide regulatory advice to industry organisations

Imtrade Australia

National Technical Manager

February 2014 – March 2021

Responsibilities

- Oversee Regulatory and Developmental R&D program
- Field based GLP program development for crop residues testing (NATA audited practitioner).
- Trained and managed a team of four staff in technical and regulatory agronomics.
- Designed and implemented all aspects of agricultural field trials; regulatory and demonstration – overseeing 200 trials annually.
- Arranged and edited toxicological packages for new registrations.
- Statistical analysis and interpretation of field-collected data.
- Writing of regulatory trial reports to APVMA standards.
- Compiled covering statements and scientific arguments to accompany APVMA submissions.
- 40+ Regulatory submissions completed comprising of generic, new formulation generic (i.e., high loadings), new use label extensions and novel multi-active formulations.
- Researched for and wrote grant submissions
- Researched and reported on agronomic and agrochemical issues.
- Provided technical and agronomic advice to staff, resellers and primary producers.
- Wrote technical marketing information for the Sales team
- Provided trial design, statistical and technical advice to grower groups.
- Presented agronomic extension topics to industry stakeholders at public events.

Eurofins Agrisearch Services

Project Biologist

October 2012 – January 2014

Responsibilities

- Design and implementation of regulatory trials to facilitate the registration of new chemicals.
- Design and implementation GLP residue trials for setting MRL's and withholding periods to facilitate the registration of new chemicals.
- Conducted field assessments and statistically analysed resultant data.
- Wrote regulatory reports to APVMA requirements.
- Management of the Bundaberg office, including updating facility records, managing the chemical store, management of time and staff, general equipment maintenance.