



Research Connections and Consulting

John Rogers Principal Consultant

The Consultant **John Rogers**

Education

Entomology

Ph.D. in Entomology, Clemson University, South Carolina, USA, 1986 (Fulbright Ph.D. Scholar)

M.Agr.Sc. in Entomology, Univ of Queensland, Australia, 1975

B.Agr.Sc. (First Class Honours) in Entomology, University of Queensland, Australia, 1972

Psychology

B.Sc. in Psychology, University of Southern Queensland, 2000

Professional Development

Myers Briggs Personality Type Indicator Accreditation, 1991
Team Building Accreditation, 1992
MBTI Expanded Analysis Report Accreditation, 2000

Skill Set

Design and implementation of agricultural pest-management projects, especially insect pests of food legumes and soil pests.

Assessment of the naturalisation potential and weediness risk of genetically-modified crops.

Analysis, reporting and publication of agricultural research, including pesticide efficacy meta-analysis.

Psychological cognitive styles in relation to research, development, and implementation.

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Over the last 35 years, Dr Rogers has focused on the development of minimal-impact insect-pest management systems for tropical and sub-tropical broadacre and horticultural crops, in Australia and internationally. His R&D activities have included insect ecology, pest damage assessment, plant resistance, pheromones, and the evaluation and use of pesticides and biopesticides. Recently, he has been involved in the development of methods for assessing the naturalisation potential of GM crops.

Special emphasis has been given to the development and management of major multi-disciplinary pest-management projects. This has included involvement with non-government organisations and international funding agencies. During this career, Dr Rogers had collaborated with most other agricultural science disciplines, and this gives him a broad appreciation of key issues and research agendas across a wide span of agricultural disciplines, and most especially in the area of crop protection.

Program Review and Planning

Since 1990, Dr Rogers has been actively involved in research program review and planning activities. He has been a member of industry panels to review the R, D & E priorities for crop protection and recommend priorities for future research. Over the same period, he has designed and facilitated technical planning-and-review workshops on a range of pest management topics. During 2006, he coordinated the review of science quality in a major Australian State Department of Primary Industries.

Training Experience

Dr Rogers has been involved in the application of psychological inventories on cognitive styles to foster improvement of the quality of scientific publications, and to promote team-effectiveness and communication in scientific work teams.

Recent Major Projects

New methods for assessing naturalisation potential and weediness risk of GM crops. Dr Rogers led a multi-disciplinary team that developed and published improved methods for assessing the naturalisation potential and weediness risk of genetically modified crops.

With assistance from soil science and GIS specialists, Dr Rogers combined CLIMEX modelling with soil and land-use data to provide detailed assessments of the naturalisation potential and weediness risk for GM cotton in Australia.

Project leader of ACIAR Project 'Management of white grubs in peanut-cropping systems in Asia and Australia'. This project linked peanut white-grub researchers in Queensland with scientists at Jaipur, India and at the CGIAR centre, ICRISAT. The project focussed on the application of sound biological knowledge to development of low-impact pest-management programs in Queensland and India. Dr Rogers' publications from this project include four papers recently published in major international journals. As well as managing the scientific program, Dr Rogers managed all financial, resource, personnel management, and reporting processes.

Queensland Government Strategic Initiative 'Supporting Green Industries'. While a Principal Scientist with QDPI, Dr Rogers conceived, developed, and implemented this program to initiate strategic research innovations against key insect pests of grain, cotton and horticultural crops in Queensland in response to a national control crisis for *Helicoverpa* species. He managed the development and integration of major projects and facilities on biopesticides, chemical ecology, and insect behaviour, including the financial, resource and personnel management processes.

Journal Editorial Experience

For 6 years, Dr Rogers was as an Editor and an Editorial Board Member for the Journal of the Australian Entomological Society.

Publications

Over 90 publications in refereed journals, review articles, book chapters, theses, industry overviews, conference papers, and workshop reports. These publications cover a wide range of technical areas of entomology and insect pest management, plus GM-crop naturalisation and weediness assessment, and publications on science policy issues, applications of the Myers-Briggs Psychological Type Indicator, and on ways to improve scientific writing and publishing.