



# 23<sup>rd</sup> AUSTRALASIAN WEEDS CONFERENCE

**BRISBANE 2024**

**25-29 AUGUST**

BRISBANE CONVENTION & EXHIBITION CENTRE



Invasive Species Queensland



# CONFERENCE PROGRAM

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# CONTENTS

23AWC Organising Committee	3
Welcome	6
Keynote Speakers	8
Program	15
Poster Presentations	29
Post Conference Field Tours	31
E-Proceedings	32
Social Program	33
Sponsors	34
Exhibition	38
General information	39

## ORGANISING COMMITTEE

### Dr Michael Widderick

Principal Research Scientist (Weed Science)  
Queensland Department of Agriculture and  
Fisheries  
Invasive Species Qld – President

### Sarah Wilson

Technical Manager – Herbicides  
Syngenta Australia Pty Ltd

### Dr Jeff Werth

Senior Research Scientist (Weed Science)  
Queensland Department of Agriculture and  
Fisheries

### Dr Christina Birnbaum

Lecturer (Terrestrial Ecology)  
School of Agriculture and Environmental  
Science  
University of Southern Queensland

### Greg Wells

Field Scientist  
Corteva Agriscience

### Professor Victor Galea

Principal Scientist for BioHerbicides  
Deputy Head of School School of Agriculture &  
Food Sustainability  
The University of Queensland

### Chris Love

Field Scientist  
Corteva Agriscience

### Paul McIntosh

Industry Development Agronomist  
Pulse Australia / Weed Smart

### Dennis Gannaway

Team Leader Project Management Office,  
Healthy Land & Water

### Dr Khaled Saifullah

Biosecurity Officer, Biosecurity Queensland,  
Queensland Department of Agriculture and  
Fisheries

### Dr Olusegun Osunkoya

Principal Research Scientist (Ecology)  
Biosecurity Queensland, Queensland  
Department of Agriculture and Fisheries

# ABOUT INVASIVE SPECIES QUEENSLAND (ISQ)

**Invasive Species Queensland (ISQ) are proud to be hosting the 23rd Australasian Weeds Conference in partnership with the Council of Australasian Weed Societies (CAWS).**



**Invasive Species Queensland**

ISQ is one of the eight member societies of the Council of Australasian Weed Science Societies (CAWS) and its members are from diverse backgrounds: from practitioners to policy makers; and from landholders to scientists.

The members of Invasive Species Queensland (ISQ) share a common interest in weeds and pest animals and their management. Previously called the Weed Society of Queensland (WSQ), the Society was formed in 1975 with the aim of advancing the understanding and practice of weed management. In recent years the society expanded its scope to include pest animals and the WSQ was renamed Invasive Species Queensland in 2022. ISQ welcome new members and participation in our outreach and events.

# COUNCIL OF AUSTRALASIAN WEED SOCIETIES INC.



The Council of Australasian Weed Societies (CAWS) is proud to be hosting the 23rd Australasian Weeds Conference (AWC) in partnership with Invasive Species Queensland (ISQ). The AWC is held every 2 years and is a key activity for CAWS and its member societies. Thankyou for supporting and contributing to this important event.

CAWS is an independent body that promotes weed management, and its practitioners, through education, awards, travel grants and publications. We can also express national and regional views on issues relating to weeds and their management.

The Council is composed of volunteer delegates from 8 member societies that have weed management as a major focus from across Australia and New Zealand. These member societies are:

- Invasive Species Queensland Inc.
- The Weed Society of New South Wales (Inc.)
- The Weed Management Society of South Australia
- The Weed Society of Victoria (Inc.)
- The Weeds Society of Western Australia (Inc.)
- The Tasmanian Weed Society (Inc.)
- New Zealand Plant Protection Society (Inc.)
- New Zealand Biosecurity Institute

If you are a member of one of our member societies, you are also a member of CAWS. Please consider how you can be a part of advancing the management of weeds in Australasia through being active in your member society and CAWS.

To find out more about CAWS, please visit our website: <https://caws.org.nz/>



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# WELCOME

## Welcome to the 23rd Australasian Weeds Conference and welcome to Brisbane.

We acknowledge the Jagera people and the Turrbal people as the Traditional Custodians of Meanjin (Brisbane), the lands on which we are holding this event.

This year's conference theme, 'Breaking the cycle: Towards Sustainable Weed Management' aims to inspire new thinking, innovation, networks and relationships. As Albert Einstein said 'Insanity is doing the same thing over and over and expecting different results'. With increasingly difficult weed management challenges and rapidly developing technologies, now is the time to do things differently, together.

The 23rd AWC provides a platform to unite, share ideas, and explore practical, actionable and effective weed management strategies, and we are grateful for you playing your part by participating in this conference, sharing your knowledge and building relationships. Our dedicated organising committee has worked tirelessly to ensure every aspect of this event comes together seamlessly. We extend our heartfelt thanks for their dedication.

We are also deeply grateful to our sponsors, whose generous support has been instrumental in making this event possible. Their contributions have enabled us to organise a professional and enjoyable event. We encourage you to take the time to engage with our sponsors and discover how they are contributing toward improved weed management.

This conference also aligns with the 70th anniversary since the first Australian Weeds Conference was held at Roseworthy Agricultural College, South Australia, 2-5 August 1954. This milestone is one to be celebrated and underscores the enduring history and significance of our conferences and the importance of coming together to 'Break the Cycle'.

We hope you have a rewarding and enjoyable experience at the 23rd Australasian Weeds Conference.

### **Dr Michael Widderick**

President, Invasive Species Queensland Inc. and Conference Co-Chair

### **Sarah Wilson**

Conference Co-Chair

### **Bec Schwinghammer**

President, Council of Australasian Weed Societies Inc.





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# KEYNOTE SPEAKERS

## PIP COURTNEY

The daughter of well-known print journalist and editor Michael Courtney, Pip grew up in Tasmania and studied politics and English at University.

On graduating she joined ABC news in Hobart in 1986.

At school Pip tossed up between two careers - wool classing and journalism. With assorted aunts, uncles, grandparents and cousins on the land her interest in agriculture led her to study ag science, but when it came to choosing a career journalism won out.

In 1993 she combined her two interests when she joined Landline.

In 2007 Pip and former Landline presenter Sally Sara were named Queensland Journalists of the Year for a feature on depression called "Black Dog".

In 2009 Pip won the Queensland Rural Press Club's Excellence in Rural Journalism Award. The prize was a trip to the USA to attend an international agricultural journalism conference.

A blog about her trip called "Saddle Up" was the ABC's most popular online blog for three months.

In 2011 Pip's two-part feature on the coal seam gas industry in Queensland won her the Queensland Media Award's Excellence in Rural Journalism Prize, the Rabobank Star prize for rural broadcasting (Qld), the National Rabobank Star prize and the International Star Prize for Rural Broadcasting.

In 2012 Pip was appointed host of Landline. She will continue reporting, with a particular focus on Queensland and Tasmania.





## ASSOCIATE PROFESSOR EMILIE ENS

Emilie leads the innovative and award-winning Cross-cultural Ecology Lab at MQU.

Following completion of her PhD (University of Wollongong, 2007) and first Post Doc in Weed Ecology (Charles Darwin University, 2007/8) she started collaborating with Indigenous researchers as an ECR through the Centre for Aboriginal Economic Policy Research at The ANU.

Here she worked closely with Indigenous communities and multidisciplinary researchers to develop new cross-cultural approaches to science and environmental management.

Emilie moved to MQU in 2013 where she teaches in Environmental Management and is developing a vibrant group of researchers. Her lab works on a range of topics including invasive species, fire, wetlands, coastal floodplains, climate change, genetics, species modelling and maintenance of cultural knowledge, all in partnership with Indigenous knowledge holders to develop cross-cultural understandings and management plans.

Dr Ens's teams have won several awards including the 2017 Eureka Prize for Innovation in Citizen Science and the 2014 Banksia Award for Indigenous Leadership in Sustainability.

Some of her other roles include: co-leading the Wuyagiba Bush Uni (NT); she is an active and inaugural member of the Indigenous Working Group of the Ecological Society of Australia; in the Indigenous Ally group of the Society of Ecosystem Restoration Australia; Technical Advisory Group member for the Laynhapuy Indigenous Protected Area; and editorial board member of journals Ecological Management and Restoration and Sustainability.



# KEYNOTE SPEAKERS

## SENIOR PROFESSOR KRIS FRENCH

Senior Professor Kris French is an ecologist at the University of Wollongong. She has focused most of her research on the impact of environmental weeds on plant communities.

In earlier years she did extensive research on the impacts of bitou bush invasion on coastal sand dunes, but then expanded her research to investigate other invasive plants in coastal forests such as lantana, boneseed and asparagus fern. Her focus is on understanding the ecology of invasive species to inform management and she has worked closely with government to ensure her results are informative for on ground control.

Her approach is to use experimental set ups to understand the mechanisms of invasion but also undertakes extensive focused surveys to understand invasion patterns. Recently she has focused on impacts on threatened species and ecological communities of exotic vines and scramblers, and exotic perennial grasses.

She contributes to the Weeds Working Group under the Environment and Invasive Committee and evaluates invasive species programs for the NSW Environmental Trust.

She is keen to see good quality monitoring of impacts and evaluation of management activities and has provided advice to DPE on how to undertake post control monitoring. She believes strongly in providing society with scientifically rigorous proof of the long-term values of management with biocontrol agents and mechanical removal activities to show that weed management does enhance biodiversity outcomes.



## PROFESSOR DAVID LAMB

David is a physicist who has worked in precision agriculture for more than 30 years. Some of his first work involved using airborne video systems to map weeds in crops and fallowfields. He is presently the Chief Scientist of Food Agility, an AU\$330M+, Australian Cooperative Research Centre focussed on transforming the agrifood sector using the power of data and digital. He has co-designed/led more than 90 industry-funded R&D projects and established Australia's first tertiary course in Precision Agriculture. Passionate about 'reality-fuelled' agtech innovation on farms, he established the University of New England's internationally renowned SMART Farm in 2007, and recently the Charles Sturt University Global Digital Farm initiative. In 2018 he also co-created the 'Farm of the Future' Pavilion at the Sydney Royal Easter Show. He currently serves as an Australian Representative on the International Society of Precision Agriculture.



## PROFESSOR DEIDRE LEMERLE

Professor Deirdre Lemerle is an Australian weed scientist who aims to develop sustainable and profitable weed management strategies and increase farmers' capacity to reduce herbicide dependence and reduce weed impacts. She is passionate about farmer-driven research and collaboration, evidence-based communication, and capacity building in the agri-food sectors of Australia and the Asian-Pacific Region. She is a Life-Member of the Weed Society of NSW and received a CAWSS Medal in 1998 for research excellence and leadership. During the last 35 years, she has published over 100 papers in national and international journals, held significant roles in research leadership, served on advisory committees, and provided mentoring support for staff and students. She is currently on the NSW Committee of the Crawford Fund of Australia and is working in SE Asia supporting research and training in weed management in rice-based farming systems.



# KEYNOTE SPEAKERS

## PROFESSOR PAUL NEVE

After a PhD at the University of Liverpool in the UK, Paul spent six years from 1999 with the Australian Herbicide Resistance Initiative (AHRI) where he explored the ecology, evolution and management of herbicide resistance in ryegrass. He returned to the UK in 2005 to take up a role at the University of Warwick where he was awarded a Faculty position in 2009. Paul moved to Rothamsted Research in 2014 to lead the weed ecology group. In 2017 he became the lead scientist for Rothamsted's programme in Smart Crop Protection. He moved to the University of Copenhagen in 2020 to take a Professorship. In Copenhagen his group have been exploring the ecological, evolutionary and genomic basis of weediness, and crop-weed-microbe interactions. A large, new project commencing in 2024, seeks to integrate approaches from ecology, agronomy, data sciences and modelling to explore new crop protection systems with reduced reliance on pesticides.



The Council of Australasian Weed Societies (CAWS) are proud to have Professor Paul Neve present at the 23rd Australasian Weeds Conference as the CAWS orator. Professor Neve has been supported by CAWS to attend and present at the conference.

## DR HARM VAN REES

Independent agronomist with a passion for science-based communication of improved grain production practices and systems. Initiated MEY-check (Maximum Economic Yield-check) program in the late 1980s which developed into TopCrop (chair of TopCrop Victoria). Worked with the BCG (Birchip Cropping Group) since its inception in 1992. Following a trip to Canada, instigated Herbicide and Fungicide Diagnostic schools and ran these in Victoria and WA during the 1990s and early 2000s. Introduced APSIM based simulation modelling via internet learning to Victorian farmers as a farm group activity in 2002. Worked with CSIRO in developing Yield Prophet (APSIM based) for managing production risk and N inputs. Farm Management 500 consultant (2 groups) linking production to financial management. During the Millennium drought worked in Papua New Guinea as Head of Agronomy with the PNG Oil Palm Research association for 3 years – returned in 2009. Project leader for GRDC ‘National Paddock Survey’ and ‘Using soil and plant testing data to better inform nutrient management’.



## DR GABRIELLE VIVIAN-SMITH

Dr Gabrielle Vivian-Smith is the Chief Plant Protection Officer of Australia and Australia’s Delegate at the International Plant Protection Convention’s commission for Phytosanitary Measures. Dr Vivian-Smith leads Australia’s national responses to emergency plant pest and disease incursions. Her work aims to protect Australia’s plant-based industries and the natural environment from harmful exotic plant pests and diseases.







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## GET IN TOUCH

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# **PROGRAM**

# SUNDAY 25 AUGUST 2024

**CAWS AGM** Arbour Boardroom

3.30pm -  
5.00pm

**Welcome Reception**

**Location:** Boulevard Foyer - Trade Exhibition Area

5.00pm -  
7.00pm

# MONDAY 26 AUGUST 2024

Registration Desk Open

7.30am -  
5.00pm

**ALL PLENARY SESSIONS WILL BE HELD IN THE BOULEVARD AUDITORIUM**

Official Opening and Welcome to Country

Chair: Michael Widderick

8.30am -  
9.00am

**Keynote Address**

**Creepers, cacti, vines and grasses: making sure no new weeds get any border passes**

Dr Gabrielle Vivian-Smith

9.00am -  
9.45am

**Keynote Address**

**Mutual benefits of partnerships between SE Asia and Australia for sustainable integrated weed management**

Professor Deirdre Lemerle

9.45am -  
10.30am

**Morning Tea, Exhibition & Poster Viewing**

10.00am -  
11.00am

MONDAY 26 AUGUST

<p><b>11.00am - 12.40pm</b></p>	<p><b>GRDC Forum</b> Chair: Sarah Morran</p> <p><b>Boulevard Auditorium</b></p>	<p><b>Weeds of Natural Areas</b> Chair: Wendy Gibney</p> <p><b>Boulevard B1</b></p>	<p><b>Weeds of Pasture</b> Chair: Graham Charles</p> <p><b>Boulevard B2</b></p>	<p><b>Weeds of Natural Areas</b> Chair: Tim Neale</p> <p><b>Boulevard B3</b></p>
<p>11.00am - 11.20am</p>	<p><b>Herbicide resistance levels across Australia in wild oats and sowthistle - 2020 national survey results</b> Dr John Broster</p>	<p><b>Winning the War on Invasive Species with Spatial Tech &amp; AI</b> Lynnette Terrett</p>	<p><b>Tropical Soda Apple Remote Sensing Project</b> Ashley Donges</p>	<p><b>Preparing AI-Ready Datasets for in-house proof-of-concept Weed Detection using Drones</b> Carlos Babativa Rodriguez</p>
<p>11.20am - 11.40am</p>	<p><b>Herbicide resistance in wild radish, brome and barley grass populations randomly collected in Australian surveys</b> Dr Mechelle Owen</p>	<p><b>Exotic grass invasion affects multiple types of fauna, depending on diet, habitat use and scale</b> Ellen Ryan-Colton</p>	<p><b>Two cryptic species, one weed. Molecular and behavioural tests to screen and monitor biocontrol agents</b> Cody-Ellen Murray</p>	<p><b>Advances in digitally-enabled support tools for landscape scale adaptive management of invasive plants</b> Dr Kyana Pike</p>
<p>11.40am - 12.00pm</p>	<p><b>Historical shifts in herbicide resistance in <i>Lolium rigidum</i> in Australia from random weed surveys</b> Dr Peter Boutsalis</p>	<p><b>Towards eradication: 16 years on from Victoria's major Mexican feather grass incursion</b> Victoria Byrne</p>	<p><b>Integrated management of <i>Harrisia cactus</i> - the importance of understanding every tool in the box</b> Tamara Taylor</p>	<p><b>Opportunities and limitations of new remote sensing and AI technologies for weed detection and mapping</b> Dr Jane Kelly</p>
<p>12.00pm - 12.20pm</p>	<p><b>Herbicide resistance status of annual ryegrass and emergence of paraquat resistance across south-eastern Australia</b> Dr Sam Kleeman</p>	<p><b>Hello? Is it parthenium weed you're looking for? Survey of parthenium awareness and attitudes</b> Nicola Dixon</p>	<p><b>Refinement of splatter gun technology for control of bellyache bush (<i>Jatropha gossypifolia</i>)</b> Dr Shane Campbell</p>	<p><b>Global spatial invasion risk assessment of Lantana camara under the future environment change</b> Dr Pradeep Adhikari</p>

MONDAY 26 AUGUST

12.20pm - 12.40pm	<p><b>Speed Poster Presentations</b>                  Muhammad Adnan                  Dr Sarah McGregor                  Dr Milan Brankov                  Trevor James</p>	<p><b>Speed Poster Presentations</b>                  Zachary Shortland                  Juanita Ryan                  Christine Sanderson                  Aleksandr Deloverov                  Clare Warren</p>	<p><b>Regulation of foxglove - a proposed new model for declaration in Tasmania</b>                  Karen Stewart</p>	<p><b>Speed Poster Presentations</b>                  Stephen Setter                  Dr Harry Eyck                  Dr Bruna Durante Ballista                  Dr Karen Bell</p>
<b>Lunch, Exhibition &amp; Poster Viewing</b>				
1.40pm - 3.00pm	<p><b>GRDC Forum</b>                  Chair: Catherine Borger</p>	<p><b>Below ground: A world of opportunity (Forum) (Harnessing plant-soil interactions to manage weed establishment and impact)</b>                  Chair: Christina Birnbaum</p>	<p><b>Weeds of Pasture</b>                  Chair: Greg Wells</p>	<p><b>Weeds of Natural Areas</b>                  Chair: Bec Schwinghammer</p>
1.40pm - 2.00pm	<p><b>Boulevard Auditorium</b></p>	<p><b>Boulevard B1</b></p>	<p><b>Boulevard B2</b></p>	<p><b>Boulevard B3</b></p>
	<p><b>Herbicide resistance in summer grasses and fleabanes – results from a national survey</b>                  Dr Michael Widdrick</p>	<p><b>Soil and litter legacy effects of pine invasion on re-invasion and secondary invasion</b>                  Dr Jan-Hendrik Dudenhoeffer</p>	<p><b>Optimisation of a Stem-Implanted Herbicide Capsule System for Effective Management of Chinese Apple (Ziziphus mauritiana)</b>                  Ciara O'Brien</p>	<p><b>Enhancing Pest Plant Management through Automated Data Collection: Case Studies Australia and overseas</b>                  Harley Schinagl</p>
2.00pm - 2.20pm	<p><b>Management of glyphosate resistance in summer weeds</b>                  Dr Jenna Malone</p>	<p><b>Do plant-soil interactions influence invasion outcomes for grass species?</b>                  Dr Lizzie Wandrag</p>	<p><b>Efficacy of pre-emergent herbicides on sicklepod (Senna obtusifolia) in the Dry Tropics of Cape York</b>                  Melissa Setter</p>	<p><b>Supporting landscape-scale weed management with remote sensing technologies</b>                  Dr Kathryn Sheffield</p>



MONDAY 26 AUGUST

2.20pm - 2.40pm	<b>A novel target-site mutation confers cross resistance to 2,4-D and other auxin herbicides in Sowthistle</b> Dr Mahima Krishnan	<b>Panel Discussion Pt.1</b>	<b>Herbicide created voids to be filled for long-term management of African lovegrass</b> Dr Hanwen Wu	<b>Utilising Drones in Weed Surveillance and Control</b> Danny Pettingill
2.40pm - 3.00pm	<b>Is there a best resistance management strategy for using pre-emergent herbicides</b> Dr Christopher Preston	<b>Panel Discussion Pt.2</b>	<b>Battling the spread of annual invasive grasses with new technology - North American Experience</b> David Spak	<b>The history of biological control of skeleton weed in Western Australia</b> Kate Detchon
3.00pm - 3.30pm	<b>Afternoon Tea, Exhibition &amp; Poster Viewing</b>			
3.30pm - 4.50pm	<b>GRDC Forum</b> Chair: Eric Koetz	<b>Environmental Biosecurity RD&amp;E Forum</b> Chair: Matt Sheehan	<b>Weeds of Pasture</b> Chair: Jeff Werth	<b>Weeds of Natural Areas</b> Chair: Hanwen Wu
	<b>Boulevard Auditorium</b>	<b>Boulevard B1</b>	<b>Boulevard B2</b>	<b>Boulevard B3</b>
3.30pm - 3.50pm	<b>Another beauty turning into a beast? Managing Gazania infestations in the southern crop production systems</b> Dr Ali Bajwa	<b>An opportunity to discuss the status and future direction of environmental biosecurity RD&amp;E</b>	<b>Role of sheep grazing in feathertop Rhodes grass (Chloris virgata) management</b> Dr Asad Asaduzzaman	<b>WeedScan: Australia's first computer vision weed identification and communication system: early experience, issues and responses</b> Andreas Glanzhig
3.50pm - 4.10pm	<b>Conquering the invader: Annual ryegrass in Queensland and the research needs for enhanced management</b> Prof. Bhagirath Chauhan	<b>Delivery of the Australian Weeds Strategy by the national Weeds Working Group (WWG)</b> Peter Turner	<b>Weeds in Tasmanian rotational crops: Oxalis latifolia</b> Laurie Krauss	<b>Sensing Siam</b> Joshua Maeer

MONDAY 26 AUGUST

<p>4.10pm - 4.30pm</p>	<p><b>Using population genetics to understand weed movement in the context of area wide management</b> Dr James Hereward</p>	<p><b>Growing a community-led weed management group</b> A/Prof Sonia Graham</p>	<p><b>Central Australia's buffel grass crisis: what can be done?</b> Alexander Vaughan</p>	<p><b>Modelling dry heat exposure as a dormancy breaking mechanism of hard seeded legume <i>Leucaena leucocephala</i></b> Alexander Leslie</p>
<p>4.30pm - 4.50pm</p>	<p><b>Opportunities and challenges for improved management of mobile cropping weeds</b> Dr Rick Llewellyn</p>	<p><b>Discussion</b></p>	<p><b>It's a widespread issue - herbicide resistance in perennial grass weeds within perennial grass pastures</b> Jo Powells</p>	<p><b>Modelling current and future distribution of <i>Parthenium hysterophorus</i> L. in Bhutan using downscaled climate data</b> Sangay Dorji</p>

# TUESDAY 27 AUGUST 2024

7.30am - 5.00pm	Registration Desk Open			
<b>ALL PLENARY SESSIONS WILL BE HELD IN THE BOULEVARD AUDITORIUM</b>				
8.20am - 8.30am	Welcome Chair: Vic Galea			
8.30am - 9.10am	<b>Keynote Address and CAWS Orator</b> <b>Reducing reliance on herbicides: The only viable option for future weed management?</b> Professor Paul Neve			
9.10am - 9.50am	<b>Keynote Address</b> <b>Farming without Glyphosate</b> Dr Harm Van Rees			
9.50am - 10.30am	<b>Keynote Address</b> <b>Traceability – Weeding out the blockers of market access</b> Professor David Lamb			
10.30am - 11.00am	<b>Morning Tea, Exhibition &amp; Poster Viewing</b>			
11.00am - 12.40pm	<b>GRDC Forum</b> Chair: Michael Thompson	<b>Weeds of Natural Areas (Biocontrol)</b> Chair: Tobias Bickel	<b>Buffel Grass</b> Chair: Sonia Graham	<b>Weeds of Natural Areas</b> Chair: Shauna Potter
	<b>Boulevard Auditorium</b>	<b>Boulevard B1</b>	<b>Boulevard B2</b>	<b>Boulevard B3</b>
11.00am - 11.20am	<b>Economic Impacts of Herbicide Loss Scenarios on the Australian Grains Industry</b> Jackie Ouzman	<b>The development and implementation of a National Weed Biocontrol Pipeline Strategy</b> Dr Michelle Raffer	<b>Buffel grass invasion, fire, and tree loss in arid central Australia</b> Assoc. Prof. Christine Schlesinger	<b>Recent early invader environmental weeds in Victoria, Australia - three case studies</b> Kate Blood

TUESDAY 27 AUGUST

11.20am - 11.40am	<p><b>Improving our understanding of the persistence, bioavailability and crop toxicity risks of soil residual herbicides</b> Michael Rose</p>	<p><b>Deployment, establishment, and spread of a biocontrol agent in Australia for the weed Sea spurge</b> Dr Ben Gooden</p>	<p><b>Integrating Drones and AI in detecting and managing Buffel Grass in Uluru-Kata Tjuta National Park</b> Tracey Guest</p>	<p><b>The scoop on National Established Weed Priorities (NEWP)</b> Jess Evans and Chandra Warnakula</p>
11.40am - 12.00pm	<p><b>Novel weed control technologies under investigation in the US – Opportunities for Australian growers</b> Dr Michael Walsh</p>	<p><b>Biological control of blackberry - overview of current research</b> Dr Raelene Kwong</p>	<p><b>Buffel Grass Management in South Australia - A Coordinated Strategic Approach</b> Troy Bowman</p>	<p><b>Where there's a weed, there's a way: investing in diverse weed projects across Australia</b> Dr Bertie Hennecke</p>
12.00pm - 12.20pm	<p><b>Does soil moisture impact electric weed control efficiency?</b> Dr Catherine Borger</p>	<p><b>Edging closer towards a biocontrol option for mother-of-millions in Australia</b> Dr Andrew McConnachie</p>	<p><b>Buffel Grass Invasion in Central Australia - Impacts on Human Health</b> Jacqueline Arnold</p>	<p><b>Reviewing action taken for the EPBC Act's Key Threatening Process of invasive garden plants</b> Dr John Virtue</p>
12.20pm - 12.40pm	<p><b>Electric weed control for the management of annual ryegrass and herbicide resistance</b> Miranda Slaven</p>	<p><b>Indigenous land managers using augmentative biocontrol to rehabilitate natural wetland habitats in Kakadu National Park</b> Michelle Franklin</p>	<p><b>Cost benefit analysis to inform buffel grass (Cenchrus ciliaris) management</b> Sofie Costin</p>	<p><b>WEED RISK AUSTRALIA: Future-proofing Australia's Post-Border Weed Risk Management Process</b> Claire Lock</p>

Lunch, Exhibition & Poster Viewing

12.40pm - 1.40pm

TUESDAY 27 AUGUST

1.40pm - 3.00pm	<b>GRDC Forum</b> Chair: Ali Bajwa	<b>Weeds of Natural Areas (Biocontrol)</b> Chair: Mike Cripps	<b>Buffel Grass Forum</b> Chair: Troy Bowman	<b>Weeds of Natural Areas</b> Chair: Rachel Melland
1.40pm - 2.00pm	<b>Boulevard Auditorium</b> <b>Detecting weeds from satellite using ultra high resolution and hyperspectral imaging</b> Tim Neale	<b>Boulevard B1</b> <b>Updates on Sagittaria spp. biocontrol: chemical compatibility and field releases</b> Dr Hasan Rahmani	<b>Boulevard B2</b> <b>Buffel Grass Workshop</b> Troy Bowman Dr Jennifer Firm A/Prof Sonia Graham Ms Ellen Ryan-Colton Mr Alex Vaughan	<b>Boulevard B3</b> <b>Evaluating efficacy of stem implanted synthetic and biological herbicides for control of Castor oil plant</b> Xinhang Sun
2.00pm - 2.20pm	<b>Effect of wheat seed rate and herbicide on annual ryegrass control</b> Ben Fleet	<b>Host-range testing of Phenica guerini: A biocontrol agent for leaf cactus (Pereskia aculeata) in Australia</b> Dr Asad Shabbir	<b>An opportunity to share knowledge and experience with buffel grass, discussing impacts, management goals, and barriers to control. We aim to identify shared goals for management, research and policy to map a way forward.</b>	<b>Progress on identifying the provenance of the invasive leaf cactus, Pereskia aculeata, in Australia</b> Dr Muhammad Nawaz
2.20pm - 2.40pm	<b>The theory and a case study of wild radish adapting to harvest weed seed control</b> Dr Mike Ashworth	<b>Acaciathrips ebneri, a new biological control agent for prickly acacia in Australia</b> Dr Boyang Shi		<b>The economic cost of managing Navua sedge (Cyperus aromaticus) - a weed of tropical Queensland, Australia</b> Dr Olesegun Osunkoya
2.40pm - 3.00pm	<b>SummerWeed Tool: predicting the profitability of summer weed control timing</b> Dr Everard Edwards	<b>A rust pathogen affecting Navua sedge (Cyperus aromaticus) in Australia - A fortuitous biocontrol agent?</b> Dr Kunjithapatham Dhileepan		<b>A refined approach to weed management of rehabilitated areas at the former Ranger uranium mine</b> Jenni Risler

Afternoon Tea, Exhibition & Poster Viewing

3.15pm - 3.30pm



TUESDAY 27 AUGUST

3.30pm - 4.50pm	<p><b>GRDC Forum</b> Chair: Bhagirath Chauhan</p>	<p><b>Weeds of Natural Areas (Biocontrol)</b> Chair: Ben Gooden</p>	<p><b>Weeds of Cropping</b> Chair: Trevor James</p>	<p><b>Weeds of Natural Areas</b> Chair: Nicola Dixon</p>
3.30pm - 3.50pm	<p><b>Boulevard Auditorium</b></p> <p><b>Farming systems impact on key weed species of the northern dryland cropping region</b> Anna Williams</p>	<p><b>Boulevard B1</b></p> <p><b>Community-led release and monitoring of a rust fungus for biocontrol of African boxthorn (Lycium ferocissimum)</b> Dr Ben Gooden</p>	<p><b>Boulevard B2</b></p> <p><b>Cottoning on to weed detection and flying in to assist communities</b> Andre deSouza</p>	<p><b>Boulevard B3</b></p> <p><b>Why aren't Australian acacias more invasive in New Zealand: pests, pathogens, precipitation or propagule pressure?</b> D/Prof Philip Hulme</p>
3.50pm - 4.10pm	<p><b>Demonstrating integrated weed tactic across farming systems</b> Dr Jeff Werth</p>	<p><b>Determining high threat weeds: Stage one in identifying national priority weeds for biocontrol</b> Matthew Sheehan</p>	<p><b>Big Data &amp; AI - How do you do it without the internet?</b> Jerome Leray</p>	<p><b>Leveraging biodiversity infrastructure to enhance biosecurity through the Atlas of Living Australia's Biosecurity Alerts Service</b> Dr Andrew Turley</p>
4.10pm - 4.30pm	<p><b>Adoption of integrated weed management increases cropping system resilience to new weed incursions and resistance</b> Dr Marta Monjardino</p>	<p><b>Development of environmental DNA assays for Amazon frogbit (Limnobium laevigatum) and yellow burrhead (Limnocharis flava)</b> Dr Xiaocheng Zhu</p>	<p><b>Capabilities of hyperspectral spectroradiometer for differentiating rice and rice mimicry weeds on leaf-level measurement</b> Adhera Sukmawijaya</p>	<p><b>Roots of Responsibility: Weeds Officers and the Social Dynamics of Information Exchange</b> Suzie Walters</p>
4.30pm - 4.50pm	<p><b>WeedSmart –influencing grower &amp; agronomist practices to mitigate herbicide resistance in Australian cropping systems</b> Stobhon Eacott</p>	<p><b>Proving its worth: Biocontrol agent mass-rearing, release and evaluation in NSW, Australia</b> David Officer</p>	<p><b>Precise Robotic Weed Spot-Spraying for Reduced Herbicide Usage and Improved Environmental Outcomes--A Real-World Case Study</b> Emilie Fillols</p>	<p><b>Comparing sources of biodiversity data for identifying and monitoring weeds</b> Dr Patricia Lu-Irving</p>
7.00pm - 10.00pm	<p><b>Conference Dinner - 70th Anniversary</b> <b>Guest Speaker Pip Courtney</b> <b>Location:</b> Boulevard Room, Brisbane Convention &amp; Exhibition Centre <b>Dress code:</b> Smart casual</p>			

# WEDNESDAY 28 AUGUST 2024

7.30am - 5.00pm	Registration Desk Open				
<b>ALL PLENARY SESSIONS WILL BE HELD IN THE BOULEVARD AUDITORIUM</b>					
9.00am - 10.30am	Sessions Chair: Christina Birnbaum				
9.00am - 9.45am	<b>Keynote Address</b> <b>Control the Kids</b> Senior Professor Kris French				
9.45am - 10.30am	<b>Keynote Address</b> <b>Acknowledging the biocultural benefits of Aboriginal weed management</b> A/Prof Emilie Ens				
10.30am - 11.00am	<b>Morning Tea, Exhibition &amp; Poster Viewing</b>				
11.00am - 12.40pm	<b>Weeds of Cropping</b> Chair: Michael Widderick	<b>Aquatic Weeds</b> Chair: Shane Campbell	<b>Weeds of Cropping</b> Chair: Paul McIntosh	<b>Weeds of Natural Areas</b> Chair: John Virtue	
	<b>Boulevard Auditorium</b>	<b>Boulevard B1</b>	<b>Boulevard B2</b>	<b>Boulevard B3</b>	
11.00am - 11.20am	<b>New herbicide usage patterns in metribuzin tolerant lentil- effective tools for broadleaf weed management</b> Dr Navneet Aggarwai	<b>Managing Cabomba caroliniana: prospects for integrating biological control and chemical control</b> Dr Kumaran Nagalingam	<b>Sharing responsibility for managing roadside weeds</b> Kaitlyn Height	<b>The effects of habitat fragmentation on weed invasion in New Zealand native shrublands</b> Friederike Espinoza	

WEDNESDAY 28 AUGUST

11.20am - 11.40am	<b>Collex-D Herbicide – Field Volatility Tunnel Research Confirms Near-Zero Volatility</b> Greg Wells	<b>Seed ecology of two invasive aquatic plant species: Cabomba caroliniana and Sagittaria platyphylla</b> Nguyen Nguyen	<b>Understanding the impact of strategic deep-tillage practices on weed dynamics and pre-emergent herbicide efficacy</b> Dr Arslan Peerzada	<b>A proposed standardisation of terms for pre-naturalisation stages used by Australian herbaria: starting the conversation</b> Chris Brodie
11.40am - 12.00pm	<b>Pigeonpea weed management – testing herbicide crop safety and agronomic approaches to maximise crop competition</b> Dr Troy Frederiks	<b>Water weed management with the new aquatic herbicides flumioxazin and florypyrauxifen-benzyl</b> Dr Tobias Bickel	<b>Control of Navua sedge on sugarcane farms</b> Emilie Fillols	<b>Enhancing community engagement and weeds identification training using physical and interactive digital three-dimensional models</b> Wendy Gibney
12.00pm - 12.20pm	<b>A case for switching to sustainable herbicides to avert a perfect storm</b> Sandra Patton	<b>Controlling Cabomba caroliniana with different flumioxazin application strategies</b> Junfeng Xu	<b>The effectiveness of herbicides and their combinations for controlling Cyperus aromaticus (Navua sedge) in Queensland</b> Bhagya Gamage	<b>The tale of the Jatropha leaf-miner, Stromphastis thraustica in Australia</b> Di Taylor
12.20pm - 12.40pm	<b>The interplay between early responses to herbicide resistance, IWM adoption and future levels of resistance</b> Dr Md Monirul Islam	<b>Reducing non-target damage to native emergent plants when managing aquatic weeds</b> Dr Tobias Bickel	<b>Crop rotation – a key-point of Integrated Weed Management</b> Dr Milan Brankov	<b>Exploring agricultural landholder engagement and education across Australia</b> Dr Jenifer Ticehurst
12.40pm - 1.40pm	<b>Lunch, Exhibition &amp; Poster Viewing</b>			

WEDNESDAY 28 AUGUST

1.40pm - 3.00pm	<p><b>Weeds of Cropping</b> Chair: Jeff Werth</p> <p><b>Boulevard Auditorium</b></p> <p><b>A baseline assessment of weeds and weed management in the northern cotton regions of Australia</b> Eric Koetz</p> <p><b>Effect of water stress on the growth and development of feathertop Rhodes grass (<i>Chloris virgata</i>)</b> Dr Michelle Keenan</p> <p><b>Harvest weed seed control in rice – can it work?</b> Greg Wells</p> <p><b>Biology and management of wild oats in the northern grain region of Australia</b> Dr Gulshan Mahanjan</p>	<p><b>Weeds of Natural Areas</b> Chair: Olusegun Osumkoya</p> <p><b>Boulevard B1</b></p> <p><b>Eradication of a persistent water hyacinth (<i>Eichhornia crassipes</i>) INFESTATION at Brodribb River, Victoria</b> Kaitlin Wright</p> <p><b>Thinking outside the tuber: stimulating trickery to outcompete an invader</b> Rachel Hughes</p> <p><b>The increasingly endangered lives of concerning new/emerging plants: The NSW New Weed Incursion Plan</b> Dr Stephen Johnson</p> <p><b>New methodologies for sampling of airborne eDNA</b> Dr Mariana Campos</p>	<p><b>Weeds of Cropping</b> Chair: Sarah Wilson</p> <p><b>Boulevard B2</b></p> <p><b>A point mutation in IAA34 confers resistance to the 2,4-D and dicamba in <i>Sisymbrium orientale</i></b> Yuanlin Qi</p> <p><b>Resistance to glyphosate, glufosinate and paraquat in <i>Eleusine indica</i>: molecular and genomic understanding</b> Dr Chun Zhang</p> <p><b>Herbicide Resistance Gene Discovery and Developing Additional Australian Weed Genome Resource for crop weeds</b> Dr Qin Yu</p> <p><b>A nearly lethal mutation endows trifluralin resistance in <i>Lolium rigidum</i></b> Dr Martin Vila-Aiub</p>	<p><b>Weeds of Natural Areas</b> Chair: Hillary Cherry</p> <p><b>Boulevard B3</b></p> <p><b>Who nose it's there? A detection experiment comparing dogs and people looking for hawkweed</b> Emma Bennett</p> <p><b>Eradicating the hawkweeds from NSW</b> Dr Graham Charles</p> <p><b>Herbicide regimes to eradicate hawkweeds in the Victorian Alps</b> Dr Tony Dugdale</p> <p><b>How research underpins weed eradication programs: a New South Wales perspective</b> Hillary Cherry</p>
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WEDNESDAY 28 AUGUST

<p>3.00pm - 3.30pm</p>	<p><b>Afternoon Tea, Exhibition &amp; Poster Viewing</b></p>
<p>3.30pm - 4.30pm</p>	<p><b>Closing Plenary</b>                  Chair: Sarah Wilson                  Delegate prize announcements. Presentation for 24th AWC</p>

**THURSDAY 29 AUGUST 2024**

<p>7.10am for 7.30am departure</p>	<p><b>#1 Southern Tour</b>  <b>Weeds &amp; Seeds in the South</b>                  Meeting point: Brisbane Convention &amp; Exhibition Centre - coach bays on Glenelg Street</p>			
<p>7.40am for 8.00am departure</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #f9f9f9; text-align: center;"> <p><b>#2 Eastern Tour</b>                      East bound Island Explorers</p> </td> <td style="background-color: #f9f9f9; text-align: center;"> <p><b>#3 Western Tour</b>                      Westward Valley Adventures</p> </td> <td style="background-color: #f9f9f9; text-align: center;"> <p><b>#4 Central Tour</b>                      Central Urban Wilderness</p> </td> </tr> </table>	<p><b>#2 Eastern Tour</b>                      East bound Island Explorers</p>	<p><b>#3 Western Tour</b>                      Westward Valley Adventures</p>	<p><b>#4 Central Tour</b>                      Central Urban Wilderness</p>
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<p>Meeting point: Brisbane Convention &amp; Exhibition Centre - coach bays on Glenelg Street</p>				

# POSTER PRESENTATIONS

## MONDAY 26 AUGUST

#	Poster Title	Name
1	Classical biocontrol of the environmental weed wandering trad ( <i>Tradescantia fluminensis</i> ) initiates recovery of native vegetation	Dr Ben Gooden
3	Stem-boring moths associated with blady grass ( <i>Imperata cylindrica</i> ) in Australasia as potential biological control agents	Ciara Horton
5	Control of Common Heliotrope ( <i>Heliotropium europaeum</i> L.) with Herbicides	John Moore
6	The Three-horned Bedstraw ( <i>Galium tricornutum</i> ) Eradication Program in Western Australia	John Moore
7	WeedSAT: Enhancing economic and sustainable agriculture through satellite weed detection	Mr Tim Neale
9	The economic cost of managing Navua sedge ( <i>Cyperus aromaticus</i> ) - a weed of tropical Queensland, Australia	Dr Olusegun (Segun) Osunkoya
11	Adaptive mechanism of the interference of allelopathic rice withquinclorac-resistant/-susceptible barnyard grass	Dr Qiong Peng
13	Evaluating a sap-sucking mirid <i>Engytatus passionarius</i> as a potential biocontrol candidate for <i>Passiflora foetida</i>	Mr Jordan Phoenix
15	Herbicide resistant weeds in clover seed production	Dr Christopher Preston
17	The role of insect pollinators in the reproductive success of ALS herbicide resistant <i>Raphanus raphanistrum</i>	Dr Martin Vila-Aiub
18	Effect of homozygosity of ALS resistance mutations on <i>Raphanus raphanistrum</i> fitness under ALS herbicide treatment	Dr Martin Vila-Aiub
19	The evolutionary trajectory of glyphosate resistance mutations in <i>Eleusine indica</i>	Dr Martin Vila-Aiub
21	Harnessing Thrips: A Biological Approach to Prickly Acacia Management in the Field	Mrs Suzie Walters
23	Developing biological control options for the grain cropping weed flaxleaf fleabane ( <i>Conyza bonariensis</i> ) in Australia	Mr Andrew White

#	Speed Poster Title	Name
25	Shrubs inhibit invasive pines establishment by increasing granivory pressure in New Zealand high country grasslands	Aleksandr Deloverov
26	Pre-release efficacy assessment of <i>Trichilogaster</i> sp., a potential biological control agent for <i>Acacia auriculiformis</i>	Christine Sanderson
28	Biology, host specificity and varietal performance of the lantana gall fly: lessons learnt in time	Zachary Shortland
30	A novel in vitro method detects early herbicidal activity on post-emergence rubber vine ( <i>Cyrtostegia grandiflora</i> )	Dr Bruna Durante Balista
32	Assessing the potential of Airborne eDNA for targeted weed detection	Dr Harrison Eyck
34	Persistence and decay of environmental DNA and the implications for weed biosecurity surveillance	Dr Karen Bell
36	Agroecological weed management in organic Living Labs: the cases of maize and soybean	Dr Milan Brankov
38	Development of next-generation herbicides targeting acetohydroxyacid synthase (AHAS) resistance	Dr Sarah McGregor
40	Ten new herbicide resistant weeds found in New Zealand after 5-years of surveys	Trevor James
42	<i>Lantana camara</i> L. soil legacy effects on native plant growth and symbiotic soil biota	Juanita Ryan
44	Managing problematic weeds in Australian cropping systems in a rapidly changing climate	Muhammad Adnan
46	Comparing traditional and unmanned aerial vehicles (UAV) assessment methodologies in aquatic weed control research	Stephen Setter
49	Spot application of flupropanate results in high mortality of <i>Sporobolus Pyramidalis</i>	Clare Warren

# POSTER PRESENTATIONS

## TUESDAY 27 AUGUST

#	Poster Title	Name
2	Using Artificial intelligence for Skeleton Weed Detection from Low Level Aerial Imagery	Carlos Babativa Rodriguez
4	Towards Gorse (insert species name) Eradication using a Community Catchment-based Approach	Ms Kay Bailey
8	Are our weeds changing with the changing climate and management? Time to revisit weed ecology	Dr Ali Bajwa
10	Optimization of herbicides use: the role of adjuvants and nozzles	Dr Milan Brankov
12	New genetic method to identify different biotypes of skeleton weed ( <i>Chondrilla juncea</i> ) in Western Australia	Dr Mariana Campos
14	Inter-Species Investigation of Biological Traits among Eight <i>Echinochloa</i> Species	Dr Xia Yang
16	NatureMapr + Field Maps: all-purpose environmental weed mapping	Harley Baker on behalf of Steve Taylor
20	Sunshine Coast Council's Invasive Weeds Project	Melissa Hele
22	Minor use permits for chemical control of environmental weeds in Queensland	Katrina Hodgson-Kratky
24	Amazon Frogbit Treatment in Somerset Dam Catchment	Samantha Mellor
27	Screening weed suppressive rice germplasm in Cambodia and Lao PDR	Dr Jhoana Opena
29	Wandering for wasps - a survey for wasp biocontrol agents in African lovegrass	Jo Powells
31	The Ecoweeder app: toward a decision support tool for non-chemical management of environmental weeds	Dr Sameer Punde
33	Assessing the threat of naturalised plant taxa using a novel approach	Mr Shannon Robertson
35	The predictive ability of the invasiveness score within the Victorian Weed Risk Assessment process	Dr Alexei Rowles
37	Field biology of <i>Cleome gynandra</i> L.: A difficult to manage weed of cultivated vegetable crops	Mr Md Khaled Saifullah
39	Environmental and cultural impacts of buffel grass: perspectives from Uluru	Assoc. Prof. Christine Schlesinger
41	Managing State prohibited weeds for eradication in Victoria	Bec Schwinghammer
43	How to find a skeleton weed	Ms Tara Slaven
45	The Tasmanian Highly Invasive Perennial Grasses Project 2021–2024	Ms Karen Stewart
47	The efficacy of simulated and aerial foliar herbicides on control of the invasive <i>Chromolaena odorata</i> .	Miss Clare Warren
48	Controlling <i>Leucaena leucocephala</i> with encapsulated herbicides	Clare Warren on behalf Ms Dannielle Brazier
50	Flowering regulatory genes involved in the herbicide resistance of Asia minor bluegrass ( <i>Polygogon fugax</i> )	Dr Feng- Zhou



## POST CONFERENCE FIELD TOURS

### #1 SOUTHERN TOUR - WEEDS & SEEDS IN THE SOUTH

Meet with local Landcare and community groups working within the Logan and Bremmer valleys and discuss invasive species management from a community perspective. Visit vegetable and cattle operations within the area talking to landholders managing weeds within an agricultural setting, including a FarmDroid robotic seeding & weeding demonstration. The tour travels through the beautiful Scenic Rim region of Southeast Queensland.

### #2 EASTERN TOUR - EAST BOUND ISLAND EXPLORERS

Take a trip to the islands. Visit Minjerribah (North Stradbroke Island) off the coast of Brisbane. Visit with the island custodians and traditional owners to learn what they are doing to manage the diverse biodiversity on the island and assist the island recover from years of mining activity and intense tourism.

### #3 WESTERN TOUR - WESTWARD VALLEY ADVENTURES

*Proudly Sponsored by Syngenta*

Visit the salad bowl of Queensland, the Lockyer Valley. The trip will showcase several farming enterprises that manage weeds in crops, SmartFarming precision sprayers and weeders, as well as efforts being made to restore the riparian areas within the valley to build resilience to flooding and soil loss associated with increasing severe weather events. The tour travels through the beautiful Little Liverpool and Main ranges.

### #4 CENTRAL TOUR - CENTRAL URBAN WILDERNESS

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Visit the Port of Brisbane to see firsthand the biosecurity operation helping to prevent the incursion of new threats to Australia through the port, an old industrial site that has been rehabilitated into a thriving saltmarsh wetland and a visit to the Mt Coot-tha Reserve & Botanic Gardens. The tour will focus on the management of natural areas in a more urban setting and the impacts of invasive species on isolated reserves.

## E-PROCEEDINGS

To access full papers and abstracts of accepted poster and oral presentations within the program, download your copy on the 23AWC E-Proceedings on the conference website or scan the QR code below.



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# SOCIAL PROGRAM

## WELCOME RECEPTION

**Date:** Sunday 25 August  
**Venue:** Brisbane Convention & Exhibition Centre  
**Room:** Boulevard Foyer – Trade Exhibition area  
**Time:** 5.00 PM - 7.00 PM

## CONFERENCE DINNER

**Celebrating 70 years**  
MC and guest speaker - Pip Courteny

**Date:** Tuesday 27 August  
**Venue:** Brisbane Convention & Exhibition Centre  
**Room:** Boulevard Room  
**Time:** 7.00pm  
**Dress code:** Smart casual dress is suggested  
**Seating:** Free seating

## POST CONFERENCE FIELD TOURS

**Date:** Thursday 29 August  
**Arrival to BCEC:** 20 mins before departure  
**Departure Time:** Southern Tour - **7.30am**  
Eastern, Western & Central Tours - **8.00am**

**Return:** Approx 5.00pm  
**Location:** Brisbane Convention & Exhibition Centre  
coach bays on Glenelg Street  
**What to bring:** Dress - casual, enclosed walking shoes,  
pre-filled water bottle, sunscreen, hat

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## EVENT PARTNER

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Over the next five years we will invest more than one billion dollars in four strategic pillars: harnessing potential, reaching frontiers, growing markets, and thrive for future generations.

Tactical and long-term strategic RD&E is critical for the enduring profitability of growers. This includes a clear focus on integrated weed management both at national and regional levels.

Australian growers face ongoing weed management challenges with weed evolution, herbicide resistance and climate shifts influencing weed distribution and frequency. To counter these challenges and support growers on-farm GRDC invests in a broad spectrum of weed management RD&E investments from ecology and biology projects through to biological, mechanical and chemical control options.

For more information visit [www.grdc.com.au](http://www.grdc.com.au)



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The Australian Government Department of Agriculture, Fisheries and Forestry vision is for a more sustainable and prosperous Australia through biosecurity, production, and trade. Through our work we aim to strengthen our national biosecurity system to protect our environment and economy from biosecurity threats. Working with industry and the community we coordinate efforts to manage invasive species in our landscapes.

The department's Australian Chief Environmental Biosecurity Officer (ACEBO), supported by the Environmental Biosecurity Office, provides strategic direction and policy advice on environmental biosecurity issues and is the point of contact for national reporting on environmental pests, diseases and weeds under the National Environmental Biosecurity Response Agreements ensuring clear Commonwealth leadership during responses.

The ACEBO also delivers a range of programs key to managing established weeds and the prevention of new species entering the landscape, including: The National Priority List of Exotic Environmental, Pests, Weeds and Diseases; The National Established Weed Priorities Framework; the Australian Weeds Strategy; and the Supporting Communities and Pipeline grant programs.



**Australian Government**  
**Department of Agriculture,  
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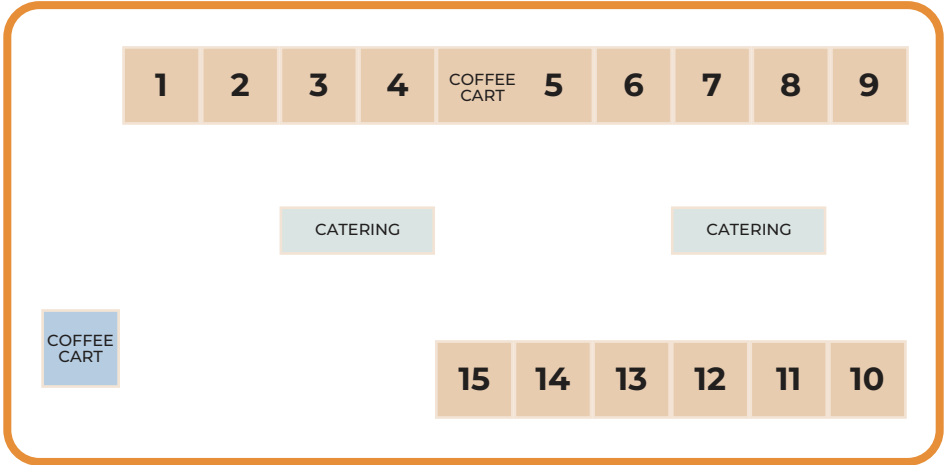
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## SUPPORTERS





# EXHIBITION FLOOR PLAN



#	ORGANISATION
1	Indigo Speciality Products
2	Chartis Technology
3	TerraLab/STA Logger
4	DAFF
5	RapidMap + Coffee Cart
6	WeedScan
7	Biosecurity QLD DAF
8	WeedSmart
9	Macsprod Australia

#	ORGANISATION
10	Rapid Logix/Rapid Vehicle
11	weedSat - DataFarming
12	Bioherbicides Australia
13	Wild Matters
14	Adama
15	Greenway Solutions
	COFFEE CART - Corteva

# GENERAL INFORMATION



## WI-FI

Brisbane Convention & Exhibition Centre free Wi-Fi access is available for all delegates for the duration of the Australasian Weeds Conference 2024. Browse for wireless networks on your device and connect to:

**Network:** BCECLINK  
**Password:** No Password required

## SPEAKER INFORMATION

Presenters are requested to report to the registration desk on arrival. You will be directed by the Event Team to the speaker preparation area where your presentation will be uploaded and verified by the onsite AV team.

Please check your presentation material with the AV team well before your presentation time to avoid any problems when you present.

Meet with your session chairperson in the session room 10-15 minutes prior to the commencement of the session.

## CATERING AND SPECIAL DIETARY REQUIREMENTS

With the exception of the Conference Dinner, all conference catering breaks will be served in the Boulevard Foyer.

If you have advised the organisers of a special dietary requirement, this information has been forwarded to the catering staff at BCEC. It is your responsibility to identify yourself to catering staff.



Australian Government  
Department of Agriculture,  
Fisheries and Forestry

# Environmental biosecurity

## Protecting what we love



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[agriculture.gov.au/environmental-biosecurity](https://agriculture.gov.au/environmental-biosecurity)