

**NUFFIELD
AUSTRALIA**



Name: _____

2024 NATIONAL CONFERENCE

CONFERENCE PROGRAM

ENHANCING A RESILIENT
AND SUSTAINABLE INDUSTRY



2-4 SEPTEMBER 2024

HOTEL GRAND CHANCELLOR, LAUNCESTON



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NUFFIELD'S FLAGSHIP EVENT FOR SCHOLARS, INVESTORS AND BROADER INDUSTRY

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UNIVERSITY of
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Supporting growers and farmers across Australia



As Australia's national science agency, CSIRO is supporting a sustainable future for agriculture and food.



Tuesday 3 September 2024

| TIME | THEME | SPEAKER/S |
|------------------|--|---|
| SESSION 1 | | |
| 8.30am | CONFERENCE MC: Claire Taylor, 2023 Nuffield UK Scholar | |
| 8.30am | WELCOME, ACKNOWLEDGEMENT OF COUNTRY | Jane Bennett, Chair of Nuffield Australia, 2008 Scholar, Tasmania |
| 8.40am | Ag2050 Scenarios Report | Rose Roche, Principal Research Scientist, CSIRO |
| 9.00am | Ag strategy Australia wide | Su Mcluskey, Special Representative for Australian Agriculture |
| 9.20am | Q&A | |
| 9.35am | Scholarship Presentation – Biodiversity and sustainability in agricultural land | Iain Field, 2023 Scholar, Tasmania |
| 9.50am | Scholarship Presentation – Identifying opportunities to make Australia’s northern beef industry more productive and resilient | Munro Hardy, 2022 Scholar, Northern Territory |
| 10.05am | Q&A | |
| 10.20am | MORNING TEA | |
| SESSION 2 | | |
| 11.00am | SESSION CHAIR: Robert Bradley, 2009 Scholar, Tasmania | |
| 11.05am | SCHOLAR PANEL PRESENTATION – Grass farmers | FACILITATED BY: Felicity Richards |
| | Scholarship Presentation – Healthy soils correlate with healthy business | Jesse Moody, 2022 Scholar, New South Wales |
| | Scholarship Presentation – Combating pasture compaction to benefit horses, other livestock | Adam Williamson, 2022 Scholar, New South Wales |
| | Scholarship Presentation – Unlocking the benefits of grass finishing | Jessica Conlan, 2022 Scholar, Victoria |
| 11.50am | Scholarship Presentation – Understanding, sharing and celebrating Australian native foods’ cultural significance and unique benefits | Marlon Motlop, 2022 Scholar, South Australia |
| 12.05pm | Scholarship Presentation – How to grow aquaculture sustainably | Jo Mendes, 2023 Scholar, Tasmania |
| 12.20pm | Q&A | |

Tuesday 3 September 2024 (cont.)

| TIME | THEME | SPEAKER/S |
|------------------|---|---|
| 12.35pm | SCHOLAR PANEL PRESENTATION – Regulations and access | FACILITATED BY: Claire Taylor |
| | Scholarship Presentation – Food safety culture to drive sustainability and profitability within primary production businesses | Andrew McKillop, 2021 Scholar, Queensland |
| | Scholarship Presentation – Bridging the gap between domestic and global markets | Tessa Dimond, 2023 Scholar, Queensland |
| | Scholarship Presentation – Global lessons in biosecurity attitudes and practices to help | Regan Lynch, 2023 Scholar, Queensland |
| 1.20pm | LUNCH | |
| SESSION 3 | | |
| 2.10pm | SESSION CHAIR: Damien Murphy, 2012 Scholar, Victoria State Chair | |
| 2.15pm | ‘Where are they now?’ – A Nuffield Scholar’s journey | Paul Lambert, 2011 Scholar, Tasmania |
| 2.30pm | Scholarship Presentation – Bringing drought tolerant wine varieties to Australia | Alexander Copper, 2023 Scholar, South Australia |
| 2.45pm | Q&A | |
| 3.00pm | SCHOLAR PANEL PRESENTATION – Sheep production | FACILITATED BY: Felicity Richards |
| | Scholarship Presentation – Intensive management techniques and models for Merino sheep production | Andrew Rolfe, 2021 Scholar, New South Wales |
| | Scholarship Presentation – Carbon neutral wool – can Australia compete? | Colette Glazik, 2022 Scholar, Tasmania |
| | Scholarship Presentation – Enriched environments helping enhance lamb production | Sammy McIntyre, 2023 Scholar, South Australia |
| 3.45pm | AFTERNOON TEA | |
| SESSION 4 | | |
| 4.10pm | SESSION CHAIR: Stuart Tait, 2017 Scholar, New South Wales State Chair | |
| 4.15pm | Scholarship Presentation – Farmers’ mental health in a changing climate | Sarah Crosthwaite, 2023 Scholar, Victoria |
| 4.30pm | Q&A | |
| 4.40pm | Nuffield International – Report | Jodie Redcliffe, Nuffield Australia CEO & Nuffield International CEO 2013 Scholar, New South Wales |
| 4.50pm | GLOBAL FOCUS PROGRAM 6 Q&A | FACILITATED BY: Andrew Watson |
| 5.10pm | CLOSE | |
| 6.00pm | NETWORKING COCKTAIL EVENING | Generously supported by UNIVERSITY of TASMANIA  |

Wednesday 4 September 2024

| TIME | THEME | SPEAKER/S |
|------------------|--|--|
| SESSION 1 | | |
| 8.30am | FACILITATED BY: Claire Taylor, 2023 Nuffield UK Scholar | |
| 8.40am | Natural Capital Accounting – What is National Capital and how it works | Rayne van den Berg, Consultant, Natural Capital and Founder of NatCap+ |
| 9.00am | Rabobank Australia – Opportunities for Australian agribusiness arising from global trends | Stefan Vogel, General Manager of RaboResearch, Rabobank |
| 9.20am | Q&A | |
| 9.35am | Scholarship Presentation – Sustainable walnut farming in Australia | Miriam Villen King, 2023 Scholar, Queensland |
| 9.50am | Scholarship Presentation – The opportunities for medicinal cannabis producers in Australia | Max Edgley, 2022 Scholar, Tasmania |
| 10.05am | Q&A | |
| 10.20am | MORNING TEA | |
| SESSION 2 | | |
| 11.00am | SESSION CHAIR: Daniel Richards, 2017 Scholar, Northern Territory State Chair | |
| 11.05am | SCHOLAR PANEL PRESENTATION – Beef and goat production | FACILITATED BY: Emma Donnelly |
| | Scholarship Presentation – Best practice backgrounding for feedlots | Jarrold Cook, 2023 Scholar, Queensland |
| | Scholarship Presentation – Improvements in early weaning for welfare and production gains | Jodie Mitchell, 2023 Scholar, Northern Territory |
| | Scholarship Presentation – How crossbreeding rangeland and Boer goats can increase meat production and drive greater productivity | Pieter van Jaarsveld, 2021 Scholar, Queensland |
| 11.50am | Scholarship Presentation – Irrigation designs and the utilisation of low-flow water | Billy Browning, 2020 Scholar, New South Wales |
| 12.05pm | Scholarship Presentation – Global advances in bee pest management | Jackie Morrison, 2023 Scholar, New South Wales |
| 12.20pm | 'Where are they now?' – A Nuffield Scholar's journey | Robert Dent, 2000 Scholar, Tasmania |
| 12.35pm | Q&A | |
| 12.55pm | LUNCH | |

Wednesday 4 September 2024 (cont.)

| TIME | THEME | SPEAKER/S |
|------------------|--|---|
| SESSION 3 | | |
| 1.40pm | SESSION CHAIR: Sonya Comiskey, 2018 Scholar, Queensland | |
| 1.45pm | 'Where are they now?' – A Nuffield Scholar's journey | David Jochinke, 2007 Scholar, NFF President |
| 2.00pm | Scholarship Presentation – Education: a building block for agricultural expansion | Aimee Snowden, 2023 Scholar, New South Wales |
| 2.15pm | Q&A | |
| 2.30pm | SCHOLAR PANEL PRESENTATION – Bridging energy partnerships | FACILITATED BY: Claire Taylor |
| | Scholarship Presentation – Increasing agricultural efficiencies through alternative renewable energy sources and better utilisation of agricultural waste products | Andrew Ham, 2020 Scholar, Victoria |
| | Scholarship Presentation – Resources to help farmers negotiate with energy companies | Rebecca Kelly, 2023 Scholar, Western Australia |
| 3.00pm | AFTERNOON TEA | |
| SESSION 4 | | |
| 3.35pm | SESSION CHAIR: Tim Napier, 2005 Scholar, Tasmania State Chair | |
| 3.40pm | SCHOLAR PANEL PRESENTATION – Cropping | FACILITATED BY: Emma Donnelly |
| | Scholarship Presentation – Corporate investment in grain production – what can family farming operations learn from it | Andrew Todd, 2020 Scholar, Western Australia |
| | Scholarship Presentation – Economic implications of implementing soil conservation practices | Daniel Dempster, 2023 Scholar, Western Australia |
| | Scholarship Presentation – Sustainable land development | Tim Houston, 2023 Scholar, Queensland |
| 4.25pm | Scholarship Presentation – The sky's the limit for drone mustering | Luke Chaplain, 2022 Scholar, Queensland |
| 4.40pm | Q&A | |
| 4.50pm | Conference wrap up, including announcing 2025 Conference | |
| 5.00pm | CLOSE | |

2024
NUFFIELD AUSTRALIA
NATIONAL
CONFERENCE

NUFFIELD AUSTRALIA
STRATEGIC PARTNER



AUSTRALIAN Through & Through.

We're Partners. Through challenges. Through successes. We know working the land has its ups and downs, and we've seen it all. By continuing to support Nufarm, you're choosing Australian – Australian jobs, Australian innovation and a strong Australian supply chain.



Jane Bennett 2008 Nuffield Scholar

CHAIR OF NUFFIELD AUSTRALIA

Jane Bennett lives in Relbia, Tasmania with her partner Rick Wyllie and son Griffin. At the time of undertaking her Nuffield Scholarship in 2008, Jane was the founding Managing Director of a family-owned farm based dairy processing business Ashgrove Cheese. Since leaving the family business Jane furthered her executive experience as the founding Managing Director of an ASX listed agribusiness TasFoods that purchased several Tasmanian based agrifood businesses.

Jane has extensive governance experience having served as a Non-Executive Director on a range of companies including the Australian Broadcasting Corporation (ABC), CSIRO, Australian Farm Institute and Food Innovation Australia Ltd. Currently Jane chairs the Board of Hop Products Australia and serves as a Non-Executive Director on Grain Growers Ltd and Sustainable Timber Tasmania.

Jane has served on the Board of Nuffield Australia for the past 10 years and looks forward to continuing to work with the Board, Management, and the Nuffield Alumni to fulfil our Charitable Purpose to advance sustainable and profitable primary production in Australia through delivery of an outstanding international scholarship experience that builds a prestigious agricultural network.

NUFFIELD
AUSTRALIA



Dr Rose Roche Principal Research Scientist

CSIRO

Dr Rose Roche is the lead of Ag2050 – a new disruptive multi-year program of work that targets non-incremental change of Australia’s farming systems and provides an evidence-based picture of what Australia’s farming systems could, should and need to look like in 2050 to be profitable, productive, and sustainable. She is passionate about creating change in farming and bringing new ways of thinking and technology to support farm productivity.

For over 20 years Rose has worked with farmers, grower groups and agribusiness. She leads multidisciplinary research teams to respond to challenges generated by variable and changing climate, by developing and delivering new knowledge, technologies (e.g. proximal and remote sensing), machine learning and AI approaches combined with system solutions to high-value crops (potatoes, cotton, tomatoes, hazelnuts, almonds and sugarcane).





Su McCluskey Special Representative
for Australian Agriculture

AUSTRALIAN GOVERNMENT

Su McCluskey is Australia's inaugural Special Representative for Australian Agriculture. With an increasing focus on more environmentally sustainable production, Su works to promote and demonstrate Australia's commitment to climate-smart sustainable agriculture, and counter prescriptive policy that could negatively impact Australian agriculture and global food security.

Su brings a depth of knowledge to this role, being a cattle producer herself, as well as a Director of Australian Unity, LiveCorp and the Australasian Pork Research Institute, a member of the CSIRO Food and Agriculture Advisory Group and an ATSE Fellow.

She was most recently a Commissioner for International Agricultural Research (ACIAR), and previously held positions as a Commissioner on the National COVID-19 Advisory Board, a member of the Charities Review and the Small Business Digital Taskforce, CEO of the Regional Australia Institute and the Council of Rural Research and Development Corporations and the Executive Director of the Office of Best Practice Regulation. She has also held senior positions with the Business Council of Australia, the National Farmers' Federation and the Australian Taxation Office.



Australian Government



Rayne van den Berg Consultant, Natural Capital
and Founder of NatCap+

NATCAP+

Rayne van den Berg has a background in corporate finance and is a globally recognised pioneer in corporate sustainability and natural capital reporting. As a former CFO for Forico, Tasmania's largest private forest manager, Rayne helped put nature on the balance sheet and to transform corporate decision making to incorporate the cost of externalities and the value of natural capital.

She witnessed the signing of the Global Biodiversity Framework in Montreal and presented the world's first Integrated TCFD & TNFD Disclosure for Forico at Climate Week at the global launch of the Taskforce for Nature-related Financial Disclosures in September 2023.

Currently Rayne sits on the Sustainability Management Advisory Group for the Chartered Accountants of Australia and New Zealand and is a State Councillor for the Australian Institute of Company Directors. She is also partnering with Pavan Sukhdev to promote GIST Impact's globally recognised Impact Valuation software platform to help evolve ESG reporting and progress portfolio impact assessments beyond financial metrics in Australasia.

Rayne is also partnering with Farming for the Future and Commonwealth Bank of Australia to develop an economic valuation model and educational series to recognise the increased productivity of shelter belts on farms and how these Nature Capital benefits might be better reflected in future agricultural land valuations.



Stefan Vogel General Manager, RaboResearch Australia & New Zealand

RABOBANK

Stefan Vogel is the General Manager of RaboResearch Australia & New Zealand, working to provide unparalleled knowledge, insight, and value to clients across Australia and New Zealand and around the globe.

Stefan joined Rabobank in London as Head of Agri Commodities Markets Research and Global Sector Strategist, Grains & Oilseeds in 2014. Under his leadership both the London-based Agri Commodities Research and the global Grains & Oilseeds research teams delivered client-centric, impactful research to the benefit of various global Rabobank businesses.

He brings a wealth of experience to the role. His almost 20-year career has been focused on the food, agribusiness, and trade industries. Prior to joining Rabobank, Stefan worked for more than a decade in strategy and market research positions with Archer Daniels Midland, including in the US as Director Market Research & Business Analytics and in Germany as Head of Economics Department. Stefan holds a Postgraduate Diploma in Agricultural Economics from University of Giessen, Germany.



Rabobank



Jodie Redcliffe 2013 Scholar, and CEO

NUFFIELD AUSTRALIA AND NUFFIELD INTERNATIONAL

Jodie Redcliffe is a 2013 Australian Nuffield Scholar. She is CEO of Nuffield Australia, and CEO of Nuffield International Farming Scholars. She enjoys working with scholars, alumni, investors and key stakeholders to grow the reach and capacity-building power of Nuffield.

Originally coming from a dairy and pig-farming family, Jodie and husband Wayne operated a family commercial broiler farm in southeast Queensland for 27 years. Jodie was President of the Australian Chicken Grower Council and sat on the Australian Chicken Meat Federation.

After completing her Nuffield scholarship, researching how to improve public perception of intensive industries, she and Wayne were the foundation hosts of the Japan leg of the Global Focus Program. Jodie has a degree in Psychology and has completed the Women & Leadership Australia Advance Leadership Program, and the Australian Company Directors Course.

In 2017, Jodie and Wayne sold their chicken farm, and purchased an Angus breeder block in Northern New South Wales. They added an agritourism venture to the property to put into practice some of her Nuffield learnings: one effective way for urban people to understand agriculture is to show them first-hand.





Paul Lambert 2011 Nuffield Scholar
'Where Are They Now' Guest Speaker

TASMANIA

Paul Lambert is a highly experienced dairy farmer who has extensive practical knowledge in all aspects of large-scale dairy operations, who farms at Merseylea in Northern Tasmania, currently milking 800 cows and growing potatoes and poppies. His areas of expertise include large-scale dairy operations, farm development, irrigation, business management, and staff management.

Paul has won numerous awards, including the Dairy Farmer of the Year award in 1995 and 1997, the Dairy Business of the Year award in 2003 and 2008, and was the Runner-up Overall winner of the Trans-Tasman Dairy Business of the Year Award in 2008. In addition, he is a 2011 Nuffield Scholar and has studied large scale dairy farming around the globe.

Paul is the Chairman and a shareholder of Circular Head Farms. He has previously served on boards and committees including the Tasmanian Dairy Industry Board, the Tasmanian Institute of Agriculture Board and the Elliot Research Station Farm Management committee.



Robert Dent 2000 Nuffield Scholar
'Where Are They Now' Guest Speaker

TASMANIA

Robert Dent, and his wife Jane, operate a seed production, processing and sales business at Oaks, just outside Launceston, Tasmania. Rob is passionate (some might say ardent) about seed and the Tasmanian seed industry.

He has over 40 years' experience in the seed industry, including production, processing and marketing through Ardent Seeds and plant breeding through Tasglobal Seeds.

He currently chairs both the Tasmanian Seed Industry Group and the Whitmore Irrigation Scheme. He has an interest in new and novel germplasm which are both resilient and productive in the Tasmanian environment. This interest works well with supplying seed in to the rapidly expanding regenerative agriculture market.

During his 2000 Nuffield Scholarship, Rob studied seed storage and drying.



David Jochinke 2007 Nuffield Scholar
'Where Are They Now' Guest Speaker

PRESIDENT OF NATIONAL FARMERS FEDERATION

David Jochinke, 'DJ', was elected President of the National Farmers Federation in 2023. A third-generation grain and livestock farmer from Murra Warra in western Victoria, David has been deeply involved in agricultural leadership, having served as Vice President of the NFF since 2017 and as President of the Victorian Farmers' Federation from 2016 to 2020.

David's commitment to agriculture is evident in his long-standing dedication to the industry. In 2007, he completed a Nuffield Scholarship, sponsored by the Grains Research and Development Corporation (GRDC), where he researched "How Farmers Influence their Industry." His research took him across the EU, New Zealand, USA, UK, Canada, and Brazil, providing him with a global perspective on agricultural practices.

As NFF President, David is focused on steering Australian agriculture through both opportunities and challenges, with a particular aim of advancing the sector towards its \$100 billion vision. He is committed to working hard for farmers across Australia, ensuring they have a strong voice on the issues that matter most to them.



Claire Taylor 2023 Nuffield UK Scholar

CONFERENCE MC AND PANEL FACILITATOR

Claire Taylor is an Agriculture Commentator, Nuffield Farming Scholar and International Speaker.

She comes from a beef farm in the south-west of Scotland and has clocked up a decade of experience working across TV, radio and print, beginning working life at the BBC, before going on to lead the political coverage at Scotland's national farming paper.

As part of her Nuffield Farming Scholarship, she has travelled to 15 countries around the world, exploring how farming narratives are changing and researching ways to build more collaborative and positive global dialogues around food production.

Through speaking at conferences and working one-on-one with farming stakeholders, Claire hopes to reinvigorate how farmers and industry organisations are communicating their story.



Felicity Richards

PANEL FACILITATOR

After completing a law degree at the Australian National University, **Felicity Richards** pursued a career in policy development and regulatory frameworks for ten years. Returning to the family farm in Tasmania in 2013, some rogue cattle led to a romance across the boundary fence. She and her husband Mark now manage a beef enterprise across Tasmanian properties at Flinders Island, Wynyard and the Tamar Valley.

In the family business, the demands of three young children and a (tragic) love of good governance and administration means Felicity's portfolio includes Human Resources, Accounting, Workplace Health and Safety, Biosecurity, Compliance and Risk. She jumps at the opportunity to get on her horse and out in the paddock around livestock whenever time permits.

Felicity juggles her family and farm responsibilities with work on various boards. Since returning to Tasmania, she has worked with Epilepsy Tasmania, Harvest Launceston Community Farmers' Market, Primary Employers Tasmania and the Tasmanian Red Meat Industry Steering Committee. She is currently chair of the Tasmanian Biosecurity Advisory Committee, Farmsafe Australia and the former chair of the Tasmanian Livestock Processing Taskforce. She has completed the Tasmanian Leaders I-Lead program and is a graduate of the Australian Institute of Company Directors' Foundations of Directorship.



Emma Donnelly

PANEL FACILITATOR

Starting her life as the daughter of two science teachers was always going to end with **Emma Donnelly** working in Science Communication. She just didn't know it at the time. With over 24 years of science communication and engagement experience under her belt, Emma has worked for not-for profit science centres, run national programs for CSIRO Education, started a digital Planetarium, taught people to fish sustainably and worked at several universities, including nine years at Curtin University as Science Outreach Manager and as Strategic Communications Manager at Australian Centre of Excellence for Exciton Science. Her programs have won countless awards from Premier's Science Awards to the coveted Eureka Prize.

She's a seasoned presenter and trainer and has worked both in national and international arenas. From 2017 to 2023 she has been the national trainer for FameLab Australia. She's trained high school students up to Prime Minister science award winners in communication skills across a range of research disciplines. Emma has also worked on radio and TV.

Emma has held roles in project management and complex stakeholder engagement in a range of workplaces (not-for-profit, state government, universities) and sectors (higher education, community engagement, construction, healthtech).



Andrew Watson 2006 Nuffield Scholar

GLOBAL FOCUS PROGRAM PRESENTATION PANEL AND Q&A

Andrew Watson is a 2006 Nuffield Scholar farming near Boggabri in northern NSW, producing cotton, corn, durum wheat, canola, indian mustard, sorghum and beef cattle.

Andrew has a Bachelor of AgEc (Hons), Graduate Diplomas in Applied Financial Management & Investment, and Technical Analysis, an Advanced Diploma in Agriculture and has completed the AICD Director and Chairman Courses.

Andrew currently holds a number of positions in industry and community including Treasurer of the Board of NSW Irrigators Council, board member of Namoi Water, and Treasurer of Boggabri Parish Council. Previously he was on the board of Cotton Australia Ltd for nine years, and Chairman for two years. He also spent time on the NFF Policy Council and on research reference panels for the CRDC, GRDC, the Cotton CRC, and NSW Agriculture.

As well as his industry representation, after his scholarship Andrew busied himself with on-farm expansion and raising his two children with his wife, Heike.

Andrew has been heavily involved in the Nuffield NSW committee since 2019, and has been instrumental in the success of GFP tours through NSW in 2023 and 2024.

Global Focus Program 6

3RD AUGUST – 7TH SEPTEMBER

New Zealand – Canada – Nebraska (US) – Kenya – Tasmania (Australia)

- **Alexander Copper**, SA, Australia, 2023
Viticulture
- **Ashley Wiese**, WA, Australia, 2024
Cropping
- **Nick Cotter**, Ireland, 2024
Organic Lamb
- **Kyota Yoshikawa**, Japan, 2024
Poultry
- **Thomas Cosentino**, SA, Australia, 2024
Beef
- **John Keane**, Ireland, 2024
Dairy and beef
- **Sebastian Vargas Soto**, Chile, 2024
Viticulture
- **Steven Pocock**, Zimbabwe, 2024
Horticulture, beef & community
- **Magdalena Mendoza**, Chile, 2024
Viticulture
- **Sally Higgins**, Qld, Australia, 2024
Cropping



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Nuffield International Triennial 2026

Nuffield International Triennial 2026
HOSTED BY NUFFIELD IRELAND

Monday 18th - Tuesday 26th May 2026



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Iain Field 2023 Nuffield Scholar

TASMANIA

Tasmanian academic turned farmer, **Iain Field**, used his 2023 Nuffield Scholarship to study how to increase ecological literacy and biodiversity on farms for sustainability. Iain and his wife Kate started their mixed farming operation 'Leap Farm' in Copping in the state's South East, in July 2012.

Supported by the University of Tasmania (UTAS) and JM Roberts Charitable Trust, Iain travelled across Australia and to New Zealand, UK, France, USA and South America to explore how their agricultural industries support biodiversity.

Iain has done research and collaborated with UTAS and CSIRO, as well as industry groups including the Tasmanian Farmers and Graziers Association and Landcare Tasmania. This has allowed the family to start adapting their farm, where they produce beef, goat meat and goat cheese. They sell their produce directly to hospitality, retailers and the public through local farmers markets.

UNIVERSITY of
TASMANIA 

JM Roberts
Charitable Trust



Munro Hardy 2022 Nuffield Scholar

NORTHERN TERRITORY

Munro Hardy undertook a 2022 Nuffield Scholarship to explore how producers can leverage their data more effectively throughout the northern beef industry, thanks to the Northern Pastoral Scholarship, supported collectively by the Australian Agricultural Company (AACo), Consolidated Pastoral Company (CPC), Elders and S. Kidman & Co.

Munro is the Co-Founder and Director of Mutual Food & Fibre, a vertically integrated cattle, cropping and fodder production business.

Over the past 15 years, Munro has worked with stakeholders along the supply chain and says that he has seen some big challenges first-hand throughout the industry, as well as the day-to-day issues faced by producers.

Munro's research has helped identify which technologies are best suited to northern beef production systems, and how the data that is being collected can best be leveraged in regard to market access, improving social licence and access to capital.





Jesse Moody 2022 Nuffield Scholar

NEW SOUTH WALES

For Western Queensland grazier **Jesse Moody**, there is increasingly a clear correlation between soil health and the success of livestock production, which is particularly evident in a drought. Jesse deepened his understanding of this topic, thanks to a 2022 Nuffield Scholarship supported by Rabobank.

Jesse runs 700 scanned in lamb Merino ewes and 1,600 joined rangeland goats on 40,000ha near Cunnamulla in Southwest Queensland, and has recently purchased 150ha at Tenterfield in Northern NSW.

For his Nuffield Scholarship, he visited grazing experts and soil scientists in New Zealand, Argentina, the US and Namibia and Zimbabwe in Africa, as well as local researchers and regenerative grazing proponents.

Jesse is a member of Queensland's Producer Advisory Panel with the research body, Leading Sheep, and his topic aligns with the 'Wool 2030' strategy developed by Australian Wool Innovation (AWI), which highlights regenerative agriculture as an area of focus in their 10-year plan for the industry.



Rabobank



Adam Williamson 2022 Nuffield Scholar

NEW SOUTH WALES

Adam Williamson was driven to combat pasture compaction for thoroughbreds, saying there are benefits to horse health and profitability.

He deepened his understanding of the topic thanks to a 2022 Nuffield Scholarship generously supported by AgriFutures Australia.

Adam was uniquely positioned to research ways to reduce compaction on these pastures. He is the farm manager at one of racing's ultimate thoroughbred operations, Vinery Stud, in Scone, NSW. Adam also designs and manufactures deep-tillage and feedlot specific equipment through the company Williamson Agri that he runs in partnership with his mother, Rosemary.

Adam says managing pastures for horses is different to managing it for other livestock.

This is because one needs to consider not only weight gain but superior structure and function of horses.

Thanks to the support of AgriFutures Australia, Adam traveled to the US, Ireland, France and Japan, which all have strong thoroughbred industries.





Jessica Conlan 2022 Nuffield Scholar

VICTORIA

Victorian lamb producer **Jessica Conlan** used a 2022 Nuffield Scholarship, supported by the William Buckland Foundation, to research better ways to finish lambs on grass.

Each year, Jessica and her mother, Jo, sell around 2,000 heavy lambs off their farm 'Tumbywood' in Elmore, Victoria. They raise their sheep on improved pastures but in drier conditions have finished lambs on grain. They are transitioning the farm to regenerative agriculture to boost its productivity and resilience.

With an increasing global appetite for grass-fed meat, Jessica believes Australian lamb is well placed to take advantage of this trend.

Jessica travelled throughout Australia, New Zealand, the US and China to explore methods to grow more, better quality grass for longer seasons. These methods include forage cropping, rotational grazing and summer-active grasses.



You can bet your
BOOTS
we're on the ground

We're an agribusiness bank.
Our local teams live and work
where you do, and are
passionate about the
future of rural communities.





Marlon Motlop 2022 Nuffield Scholar

SOUTH AUSTRALIA

Marlon Motlop specialises in growing and marketing Australian native foods and further studied their history, cultural significance and unique benefits, thanks to a 2022 Nuffield Scholarship generously supported by Woolworths.

His scholarship provided an exciting challenge for Marlon as a First Nations grower to be able to educate the public and customers on what they are eating, and the beautiful cultural storyline of our First Foods.

Marlon is a director and farm manager of the Native Co., a company that grows native herbs, greens and fruits in greenhouses north-west of Adelaide and on farmland in the Barossa Valley. They sell to foodservice businesses and restaurants in Adelaide, Melbourne and Sydney.

Marlon travelled to various Aboriginal and Torres Strait Islander communities throughout Australia, as well as to New Zealand, Africa and Fiji.

Marlon's scholarship supported his ambition to create a native food industry that gives everyday Australians access to Australian First Foods, and create consistent education on how to use – and respect – the products.



Joana Ferreira Mendes 2023 Nuffield Scholar

VICTORIA

Joana Ferreira Mendes was awarded a 2023 scholarship to visit key aquaculture-producing countries and bring back insights and innovations to help the Australian industry. Thanks to a Nuffield Scholarship supported by the Fisheries Research and Development Corporation, Joana travelled to Norway, Scotland, Canada and Chile.

Joana is a compliance coordinator on a marine salmon aquaculture site in southern Tasmania. This involves her coordinating environmental issues and work health and safety at the site.

For the past nine years, Joana has worked with three aquaculture species (barramundi, prawns and salmon) which has given her a wide perspective on seafood production.

Joana hopes to provide the aquaculture industry in Australia with knowledge and background on how the different countries address sustainability, particularly in salmon farming, which will help the Australian aquaculture industry to revise and improve current practices to align with Australia's commitments to the United Nations Sustainable Development Goals.





Andrew McKillop 2021 Nuffield Scholar

QUEENSLAND

Andrew McKillop from Bellmere, Queensland, received a 2021 Nuffield Scholarship supported by the Public Sector Pension Investment Board (PSP Investments). Through his research, Andrew investigated how implementing a stringent food safety culture can drive sustainability and profitability within primary production businesses and enhance both quality assurance and transparency around primary production.

Andrew is National Quality Manager at The Avolution, a horticultural marketing company specialising in the marketing of avocados to the Australian domestic and Southeast Asian export markets.

Andrew also investigated how primary producers can be better educated around the development and adoption of food safety programs to increase business sustainability and bridge the knowledge gap between leading research institutions, consumer expectations, retailers, primary producers, and industry bodies.

As part of his study, Andrew travelled to New Zealand, South America and South Africa to explore their export orientated production systems as well as the United Kingdom and EU for exposure to their retail-focused domestic production systems.

PSP



Tessa Dimond 2023 Nuffield Scholar

QUEENSLAND

Queensland agronomist **Tessa Dimond** gained a global perspective on how Maximum Residue Limits (MRLs) affect Australian grain prices and access to international markets. Thanks to a 2023 Nuffield Scholarship supported by GrainCorp,

Tessa is a broadacre and irrigation agronomist at AGnVet Rural and has worked in the agriculture industry for 14 years. She says following label directions, spray quality and drift are cornerstones of protecting access to chemicals. These topics are frequently covered in industry updates, however, she says the same attention is not paid to chemical residues, including MRLs, that are part of the final commodity and market requirements.

Through her Nuffield Scholarship, Tessa has been building awareness of the importance of MRLs on the international market and to share global best management practices, trends and leading-edge technology.

She says the scholarship has supported her in her professional goals of continuing to gain agronomy knowledge, bridging the gap between industry research and growers, and helping the agriculture industry strive for greater sustainability.

Her area of study has supported the GRDC Research, Development and Extension Plan 2018–23, including its aims to improve market access for Australian grain and increase/maintain its price.





Regan Lynch 2023 Nuffield Scholar

QUEENSLAND

North Queensland veterinarian, **Regan Lynch**, travelled the world to explore ways to improve farm biosecurity attitudes and practices in the Northern Australian beef industry. Regan undertook this study as part of a 2023 Nuffield Scholarship, supported by Animal Health Australia and Plant Health Australia.

Regan is a senior veterinarian and provides mixed animal veterinary services to north west Queensland. Her work is primarily focused on production and producer consultation and services. She also provides small animal veterinary services and client education in conjunction with the Queensland Department of Agriculture, Fisheries and Forestry. Regan is also part of the Northern Australian Biosecurity Surveillance Network (NABSnet) which focuses on disease surveillance and communication with producers and other involved veterinarians.

Regan used her Nuffield Scholarship to explore the cultural changes and attitudes to farm biosecurity in Australia and in countries undergoing or having undergone significant disease eradication programs.



Alexander Copper 2023 Nuffield Scholar

SOUTH AUSTRALIA

South Australian wine grower and maker, **Dr Alexander Copper**, travelled to the Eastern Mediterranean and beyond to study drought tolerant wine varieties that could be introduced to Australia.

Alex was awarded a 2023 Nuffield Scholarship, supported by Nuffield South Australia, to undertake this research.

He recently finished his PhD at The University of Adelaide, which investigated the use of drought tolerant grape varieties. His PhD concentrated on two wine grape varieties indigenous to Cyprus. His Nuffield Scholarship allowed him to build on that research, which has equipped him with the necessary skills to identify potential drought tolerant grape varieties, then import them to Australia for cultivation in his nursery.

His Nuffield Scholarship aligns with Wine Australia's Strategic Plan 2020–25.





Andrew Rolfe 2021 Nuffield Scholar

NEW SOUTH WALES

Andrew Rolfe from Cooma, New South Wales, received a 2021 Nuffield Scholarship supported by Australian Wool Innovation (AWI). Andrew researched intensive management techniques and models for Merino sheep production, exploring how to develop a productive, sustainable and drought resilient farming system.

Andrew is part-owner of family farming business, Kenilworth Grazing, a self-replacing Merino flock enterprise comprising 5,600 ewes across 4,100 hectares. He is also a private agronomy consultant in his local area.

Experiencing the impacts of prolonged drought first-hand, Andrew was particularly focused on how intensified best practice management techniques can be utilised to drive Merino production and drought preparedness.

Andrew studied global best management practice techniques across the United States, Canada, South Africa, New Zealand, Denmark, the United Kingdom, Argentina and Chile.



Colette Glazik 2022 Nuffield Scholar

TASMANIA

Colette Glazik researched fairer ways to audit the greenhouse gas emissions from wool production in Australia, thanks to a 2022 Nuffield Scholarship supported by Australian Wool Innovation (AWI).

A former public sector employee and qualified lawyer, Colette, her partner Joey McKibben and their two children moved to her parents' farm, 'Lewisham' at Ross, as part of their succession plan. They run a self-replacing Poll Merino flock.

When a long-time wool buyer asked the family to have their farm's carbon emissions assessed, they were happy to participate.

Colette compared methodologies and data used to conduct carbon audits on wool producing sheep farms in Australia and internationally. She also sought to understand which on-farm practices are helping wool producers achieve carbon neutral (or low carbon emissions) status.

Colette travelled to New Zealand, Argentina, Portugal, Italy, the United Kingdom, Germany and South Africa, to research this topic to ensure the long-term competitiveness of the Australian wool industry.





Sammy McIntyre 2023 Nuffield Scholar

SOUTH AUSTRALIA

As more sheep enter feedlots across Australia, producer **Sammy McIntyre** studied how enriching these environments to encourage natural behaviours can benefit the industry. Sammy was awarded a 2023 Nuffield Scholarship, supported by Rabobank, to study this topic.

Sammy is the Chief Financial Officer of the family's farming business, which includes "Hillstream" on the Fleurieu Peninsula and cropping and feedlot/lamb finishing enterprises on the Yorke Peninsula. She is also the Farm Manger of "Hillstream", where the family runs a self-replacing prime lamb enterprise of 1,100 breeding ewes weaning on average 135% lambs per ewe joined.

Sammy travelled to different parts of Australia plus countries in southern Africa, Brazil, southern United States and Mexico which have similar production systems to Australia. She visited regions with a long history of housing ruminant animals including Europe and Canada.



Rabobank



Sarah Crosthwaite 2023 Nuffield Scholar

VICTORIA

Dairy farmer and mental health counsellor **Sarah Crosthwaite** embarked on study to understand how different agricultural sectors across the world support their producers' mental health, especially in a changing climate. Sarah was awarded a 2023 Nuffield Scholarship, supported by the Gardiner Foundation, to study her important topic 'Mentally healthy farmers equal a healthy dairy industry during the adversity of climate change'.

Sarah and husband Stuart returned to the family's The Hermitage Dairy Pty Ltd operation in the Kiewa Valley in North-east Victoria in 2005. It runs 500 Friesian cows over 1500 acres, to produce 4 million litres per year.

Since returning to the business, they have invested heavily in infrastructure, including a feed pad and shed to manage climate and seasonal impacts on the cows. Sarah and Stuart are also founding members of the Mountain Milk Co-op, which was formed after the collapse of Murray Goulburn in 2016.

They have grown the business, and they now employ four full time staff. This has allowed Sarah to work part time as a Natural Disaster Clinician. She works across the Ovens Murray region offering on-farm therapeutic counselling to people with mental health issues.

Sarah visited Canada, the US, Scotland, France and parts of Australia as part of her Nuffield Scholarship.

GARDINER
FOUNDATION



Miriam Villen King 2023 Nuffield Scholar

QUEENSLAND

Horticultural scientist **Miriam Villen King** was awarded a 2023 Nuffield Scholarship to study sustainable approaches to growing walnuts in Australia. Miriam's scholarship, supported by the Public Sector Pension Investment Board (PSP Investments), took her from Bargara, in central Queensland, to Spain, France, Italy and the US.

Miriam is Chief Scientist at Stahmann Webster, one of Australia's most well-established tree nut producers. In this role, she spearheads efforts to optimise walnut orchard production and commercial returns. She uses data to inform cultural farming practices, such as pruning and nutrient composition and application. These aim to increase yields, while maintaining high-quality products that are healthy for customers and the environment.

According to Miriam, environmental conditions, including high temperatures, are a key factor in non-pollination drop, but there may be further factors around soil health, biome and fertility at play. Miriam explored new varieties of walnuts that suit Australian climate conditions, and ways of growing them with less chemicals.



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- Drainage and landform design
- Irrigation scheduling and advice
- Consulting support for new developments





Max Edgley 2022 Nuffield Scholar

TASMANIA

Max Edgley will study the opportunities for medicinal cannabis producers in Australia, thanks to a 2022 Nuffield Scholarship supported by JM Roberts Charitable Trust and the Tasmanian Institute of Agriculture.

As the cultivation manager at one of Australia's largest medicinal cannabis producers and manufacturers, Tasmanian Botanics Pty Ltd, Max oversees all aspects of the plants' cultivation.

Max highlights many opportunities for the industry, including using a mix of indoor, outdoor, and greenhouse cultivation; incorporating high-tech horticulture techniques; and automating cannabis-specific cultivation procedures. He also suggests that investigating the usage of supplemental lighting, climatic controls and cultivar selection can maximise yields.

Developing and optimising postharvest procedures, breeding new genetics to drive cannabis yields, and overcoming regulatory challenges will be critical to his research.

Max travelled to Canada, the United States, the United Kingdom, Germany and Spain, as key countries that have a more mature medicinal cannabis industry than Australia. Through this travel, Max's aim was to help the Australian industry to become globally competitive.

JM Roberts
Charitable Trust



Jarrod Cook 2023 Nuffield Scholar

QUEENSLAND

Having worked in feedlots and extensive cattle stations, **Jarrod Cook** embarked on study to deepen his understanding of the best methods to prepare cattle for feedlot entry to optimise performance, reduce mortality rates and medical costs, and increase daily gains.

Jarrod was awarded a 2023 Nuffield Scholarship, supported by Northern Pastoral, made up collectively by the Australian Agricultural Company (AACo), Consolidated Pastoral Company (CPC), Elders and S. Kidman & Co.

Through his Nuffield Scholarship, Jarrod visited the US, Canada, Brazil, China, India and other countries in Europe.

This area of study supports Red Meat 2030 (formerly the Meat Industry Strategic Plan) and its strategic priorities of building industry capability to remain profitable while accommodating for climatic, societal and economic variability. It challenges producers to optimise feed consumption, continuously improve animal welfare management and minimise cost inefficiencies.





Jodie Mitchell 2023 Nuffield Scholar

NORTHERN TERRITORY

Jodie Mitchell supervises one of the largest beef calf weaning programs in Australia, and she embarked on a global study program to enhance her and the industry's knowledge in this topic. Jodie was awarded a 2023 Nuffield Scholarship, supported by the Northern Territory Government and ANZ Bank.

Jodie is the Early Weaning Program Supervisor at Consolidated Pastoral Company's (CPC) Newcastle Waters Station in the Northern Territory. Her study focused on raising young cattle in northern/sub-tropical environments: nutrition and the effects of good education in the early stage of the weaner's life. Jodie also explored early weaning processes in drier years, how to achieve market specifications quicker for male weaners, and how to prepare future breeders to joining weight.

Through her Nuffield Scholarship, Jodie travelled across Australia, the US, Brazil and China. She was particularly interested in visiting American calf ranches and universities conducting research on cattle weaning, low stress handling and cattle shrink.

Jodie says getting weaning right can lead to dramatic improvements in the production, eating quality and greenhouse gas emissions in the northern beef industry.



Pieter van Jaarsveld 2021 Nuffield Scholar

QUEENSLAND

Pieter van Jaarsveld from Gore, Queensland, received a 2021 Nuffield Scholarship supported by Meat & Livestock Australia.

He investigated how crossbreeding rangeland and Boer goats can increase meat production and drive greater productivity in the industry.

Pieter runs a Boer goat enterprise on the family farm, alongside an Angus cattle and Wagyu breeding operation. As managing director of the Boer goat business, Pieter currently produces meat goats with a breeding flock of 500 does working through local abattoirs to sell meat directly to consumers.

Currently completing a Bachelor's degree in Animal Science and Agribusiness at the University of Queensland, Pieter was particularly focused on quantifying the benefits of crossbred rangeland and Boer goats and developing an industry grading system to increase value for their meat.





Billy Browning 2020 Nuffield Scholar

NEW SOUTH WALES

Billy Browning, from Narromine in New South Wales, received a 2020 Nuffield Scholarship with support from the Australian Department of Agriculture and the Murray-Darling Basin Authority. He investigated irrigation designs and the utilisation of low-flow water.

Having previously worked in the financial and agribusiness sector, Billy now manages alongside his family their dryland and irrigation cropping business, consisting of wheat, canola, cotton, seed production and niche commodities for the domestic and international food markets.

Billy was keen to drive the return on their irrigation business: he saw a real opportunity to investigate irrigation designs, irrigated commodities, and multiple uses from a single a water source.

Billy visited the United States and Europe to see how farmers there are addressing similar issues, as well as researching and consulting with leading irrigators here in Australia.



Jackie Morrison 2023 Nuffield Scholar

NEW SOUTH WALES

Jackie Morrison was awarded a 2023 Nuffield Scholarship to study Integrated Pest Management and how it can support the Australian industry's fight against Varroa destructor mite. The beekeeper and beef producer from the Northern Rivers Region of New South Wales was supported in her study by AgriFutures Australia.

Jackie and her husband Luke Edwards run Honeyvale Farm in McLeans Ridges. It trades in honey, beeswax, pollination services and beekeeping education and mentorship, as well as a small mob of cattle. In the next two years, they plan to expand their business to include pecan and bushtucker production.

She says Australia's industry reputation is built on healthy honey bees and hive products free from chemical residues associated with Varroa treatments. Current and potential future solutions such as fungal and viral biocontrol agents, genetic resistance breeding programs, cultural and mechanical controls are being continuously updated internationally.

Jackie travelled to Africa, Europe and North America. Jackie's study has supported the Australian Honey Bee Industry Council's mission is to efficiently use resources to ensure a sustainable and prosperous industry, as well as the industry's research priorities in pests and disease management.



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Episode 5 - Jodie Redcliffe, 2013 Scholar

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Episode 6 - Ashley Severin, 1986 Scholar

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Aimee Snowden 2023 Nuffield Scholar

NEW SOUTH WALES

Aimee Snowden uses LEGO® to engage people's interest in agriculture and spark an interest in our diverse industry. Keen to reach more people, Aimee embarked on a Nuffield Scholarship in 2023, supported by AgriFutures Australia.

Having worked in agriculture education programs and initiatives in Northeastern Victoria, South Australia's Yorke Peninsula, and Central Queensland, she then took her quest for knowledge to North America, Europe, and New Zealand through her scholarship.

From her family's mixed farm in southern NSW, Aimee founded Little BRICK Pastoral in 2014. Its aim is to celebrate Australian agriculture through unique photos of a LEGO® farmer minifigure across social media. Her playful photos have grown a wide audience, and it propelled Aimee to be engaged in developing agricultural education programs, resources and events. Aimee studied agriculture education models that drive immersive experiences and engage curious minds, as she saw the need to apply an agriculture lens to education has never been stronger.



Andrew Ham 2020 Nuffield Scholar

VICTORIA

Supported by the William Buckland Foundation, **Andrew Ham** of Windermere, Victoria, received a 2020 Nuffield Scholarship to research ways to increase agricultural efficiencies through alternative renewable energy sources and better utilisation of agricultural waste products.

Andrew works alongside his parents in the family's diversified farming operation which encompasses oilseed crushing and refining, mixed cropping, lamb and pig production. With the majority of his time invested in the oilseed processing and refining side of the business, Andrew oversees the management of 25,000 tonnes of grain storage, the crushing of a variety of oilseeds, and project manages the implementation of new technologies for the business.

As an oilseed processor, Andrew recognises the business' reliance on primary energy sources like coal powered electricity and natural gas, and used his scholarship to explore alternative energy sources and the benefits their use can unlock for agricultural enterprises.

Andrew travelled across Europe, Morocco, Israel, Sweden and Japan. He explored alternative supply, storage and usage methods of different agricultural waste products and how closed loop systems can drive sustainable productivity and profitability for the agricultural sector.



Rebecca Kelly 2023 Nuffield Scholar

WESTERN AUSTRALIA

Rebecca Kelly's return to her family's Western Australia farm coincided with a company requesting to put a gas rig on their best cropping land. The experience of dealing with the gas company prompted Rebecca to undertake a 2023 Nuffield Scholarship to study the topic further, sponsored by CBH Group.

Rebecca runs the family's cropping property in Mingenew, Western Australia, where they grow wheat, canola, lupins, commercial pasture seeds and coriander. Rebecca says they were initially approached for a gas rig in 2018, with the exploration going ahead in 2021.

She says while her relationship with the mining company has been very positive, she could not find resources to aid farmers to in seismic and energy negotiations.

As part of her scholarship, Rebecca travelled to the US, Canada and Germany. She says relations between energy, mining and agriculture must be collaborative and advantageous to all.



Andrew Todd 2020 Nuffield Scholar

WESTERN AUSTRALIA

From Dowerin in Western Australia, **Andrew Todd** received a 2020 Nuffield Scholarship with support from the Grains Research & Development Corporation (GRDC) to research ways that growing family farms can take the leap from an owner-operator structure to an owner-manager structure.

A dryland farmer, Andrew grows wheat, canola and barley across 4,150 hectares in WA's Central Wheatbelt. A mix of privately owned, share farmed and leased country, the family business was recently passed on to Andrew and his wife by his parents.

With economies of scale becoming increasingly important for farm viability, Andrew used his Nuffield research to look at the capital management, risk management, corporate governance and people management aspects of large, sophisticated farming businesses to identify lessons for growing family farms.

Travelling throughout Australia, the United States, Canada, Ukraine, Russia and Brazil, Andrew has unearthed ways that better business management can minimise risk, increase profits and lead to thriving, resilient farm businesses.





Daniel Dempster 2023 Nuffield Scholar

WESTERN AUSTRALIA

Western Australian farmer **Daniel Dempster** travelled the world to explore the economic implications of adopting the agricultural farming practices focused on total soil cover, minimal soil disturbance, high plant species diversity and livestock incorporation.

The crop and sheep farmer from the Wheatbelt region was awarded a 2023 Nuffield Scholarship, supported by the Grains Research and Development Corporation (GRDC), to investigate this topic.

Having completed his PhD in Soil Science at The University of Western Australia, Daniel now farms at Goomalling. Across the 2500 ha of arable land, about 80% is sown to crops and sheep graze the remaining 20%.

He says increasing pesticide resistance, increasing energy prices, forecast peak phosphorous production and declining terms of trade are challenging the long-term sustainability of conventional broadacre agriculture. He hopes to investigate whether implementing conservative soil management principles may help farmers address these issues.

During his scholarship, Daniel travelled to the US, Canada, New Zealand, the UK, France, Spain, China, Argentina, Chile and Brazil.



Tim Houston 2023 Nuffield Scholar

QUEENSLAND

Tim Houston travelled from the family farm on the border of NSW and QLD across the globe to research how to sustainably transition land from grazing to cropping in order to achieve a positive triple bottom line outcome. Tim was awarded a 2023 Nuffield Scholarship, supported by Cotton Australia and the Cotton Research & Development Corporation, to study the topic.

Tim, alongside parents Rob and Sally, runs Sandholes Farming. They crop approximately 11,500 ha between Mungindi in Northern NSW and Inglestone in Southern Queensland. They rotate wheat, barley, chickpeas, sorghum and dryland cotton. They also run a Brangus breeder herd and are diversifying into Australian White Sheep.

Tim used his scholarship to explore how farmers in other parts of the world are navigating the challenge of land use change. He also explored how governments and landholders can better work together to support sustainable farming development.

Tim feels that Australian agriculture has an opportunity, and a responsibility to play its part in meeting future food production demand.



PRESENTING SCHOLARS (cont.)



Luke Chaplain 2022 Nuffield Scholar

QUEENSLAND

From Malakoff Station in Northwest Queensland, **Luke Chaplain** explored commercial models for UAVs to emulate traditional helicopter mustering in a more cost-effective and efficient process, with his 2022 Nuffield Scholarship supported by PSP Investments.

Luke says UAVs can also play a role in services other than mustering, such as biomass monitoring, weed detection and animal welfare. In ten years, he predicts that UAVs will replace 70-80% of helicopter and 100% of gyrocopter mustering in Australia, delivering cost savings, higher productivity and increased safety for livestock producers.



Luke talked to experts in the UAV and ag tech space in the United States, Israel, Germany and the UK, and has had discussions locally with the Federal Minister for Aviation and the Civil Aviation Safety Authority to discuss future regulation changes for UAVs.

Notes:

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