

PROGRAM

NAME:

NUFFIELD
INTERNATIONAL
FARMING SCHOLARS



2020 CONTEMPORARY SCHOLARS CONFERENCE

'Conversations Down Under'

13–20 March 2020
Queensland, AUSTRALIA



#NuffieldAg

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WELCOME

Welcome to the 2020 Contemporary Scholars Conference and welcome to Queensland in Australia. All of us associated with Nuffield are honoured to host you and look forward to an incredible week of learning, networking and camaraderie.

To the 2020 year group of Nuffield Scholars – congratulations and best wishes as you embark on the incredible Nuffield experience. You should each be proud of being selected as a Nuffield Scholar. You represent the best among the best.

All of us from Nuffield internationally, are extremely appreciative of all those attending as board members, speakers, guests or country executives. Your commitment and hard work are essential to the success of the conference and to the continued excellence of Nuffield Farming Scholars programs around the world.

We acknowledge and thank all the investors that support Nuffield programs across the globe and those who are supporting Nuffield International and the 2020 Contemporary Scholars Conference. Your investment in Nuffield pays incredible dividends to our world's food and agriculture industry.

I offer my sincerest thanks to all those who have worked tirelessly to develop the 2020 CSC program, ensuring that it is educational, impactful and most of all, enjoyable. The planning and logistics take time to transpire and I am confident it will be a fantastic week. Thank you and again, welcome!

ROB BRADLEY

Chair
NUFFIELD AUSTRALIA

AUSTRALIAN AGRICULTURE

Historically, agriculture has been important in the development of Australia. Australia's traditional dominance in wheat and sheep continues into the 21st century. Recently Australian agriculture has become increasingly diversified.

The considerable expanses of arable land have helped Australia to become a leading exporter of grains, meats, and wool. Both grains (predominantly wheat and barley) and wool markets around the world are dominated by Australian exports. The market for cattle is more regional but is becoming increasingly important globally. While only about six percent of Australia is suitable for crops and pasture, a considerable amount (60 percent) of the land area is suitable for cattle grazing.

Agriculture contributes roughly three percent of the GDP and employs about four percent of the total workforce directly. While the sector's contribution to the GDP is small, raw and unprocessed agricultural commodities contribute about a quarter of Australia's total export earnings each year. Australia exports a great deal more agricultural produce than it imports. In 1998 agricultural exports from Australia were estimated at US\$15.14 billion, in comparison to the US\$3.11 billion worth of agricultural imports for the same year. The main agricultural crops grown in Australia are wheat, coarse grains (barley, oats, sorghum, maize, and triticale), rice, oilseeds (canola, sunflowers, soybeans, and peanuts), grain legumes (lupins and chick peas), sugarcane, cotton, fruits, grapes, tobacco, and vegetables. The main livestock production is in sheep (wool and lamb), beef, pork, poultry, and dairy products. Exports account for over 90 percent of wool and cotton production, nearly 80 percent of wheat, over 50 percent of barley and rice, over 40 percent of beef and grain legumes, over 30 percent of dairy products, and nearly 20 percent of fruit production.





The distribution of agricultural production in Australia is largely determined by the physical environment and climate. The traditional large farm system of wheat and sheep production is spread fairly uniformly between parts of New South Wales, Victoria, South Australia, and Western Australia. Queensland, New South Wales, and Victoria produce the majority of beef, and New South Wales has the largest and most numerous poultry farms. Sugarcane and large-scale vegetable production occurs in the tropical state of Queensland, while cotton is produced in both New South Wales and Queensland. Tropical fruits, such as mangoes and bananas, are grown in parts of New South Wales, Queensland, Western Australia, and the Northern Territory.

A notable characteristic of Australian farming and agricultural production is the extent to which net farm income varies from year to year. Australia's weather is subject to extreme fluctuations, which has an impact on annual production and ultimately on farm income.

Farm sizes range from relatively small part-time farms to operations of more than 5000 hectares. In general, Australian farming is characterised by large scale, highly mechanised and efficient operations, one of the key reasons why only a small percentage of the workforce is employed in this sector. Environmental factors have long been ignored in the production of agricultural commodities due to their importance to the economy. At the beginning of the 21st century, however, Australia is forced to pay more attention to the growing evidence of environmental stress and degradation caused by farming. In the past, the agricultural sector carried considerable political weight, being represented by various political parties. Australian farmers already do not receive many of the subsidies given to farmers in the United States and Europe.

Source: www.nationsencyclopedia.com



ABOUT AUSTRALIA

Australia is one of the strangest and most unique destinations on the planet. Some interesting facts about Australia are:

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1. The largest cattle station in the world is located in Australia and it's bigger than Israel
- 

2. Australia has the world's longest golf course measuring more than 1,365 kilometres long
- 

3. The Great Barrier Reef is the planet's largest living structure
- 

4. There are over 60 wine regions in Australia
- 

5. There are 1 million feral camels that roam wild Australia's Deserts – the largest number of purebred camels in the world
- 

6. Aboriginal culture is the oldest culture on Earth
- 

7. Australia has 20 World Heritage listed sites
- 

8. 91% of Australia is covered by native vegetation
- 

9. Australia has an underground town of Coober Pedy

Facts and figures about Australian agriculture:

- Out of the \$58.1 billion worth of food and fibre Australian farmers produced in 2015–16, 77% (\$44.8 billion) was exported.
- As of May 2017, 304,200 people were employed in the Australian farm sector — accounting for about 3% of the national workforce.
- Agricultural businesses occupy and manage 48% of Australia’s landmass.
- Of the 371 million hectares of land operated by agricultural businesses in Australia, 312.2 million hectares (or 84%) was used for grazing.
- 2015–16 saw 47,021 farms producing beef cattle in Australia, with a national herd of 25 million head.
- Australians remain the second-largest consumers of meat per capita, and the sixth-largest consumers of beef in the world, averaging 26kg per person in 2016.
- In an average year, there are about 1,200 cotton farms in Australia. Of these, about half are in New South Wales and a half are in Queensland.
- There are 6102 dairy farms in Australia. The average herd size has increased from 93 cows in 1985 to an estimated 284 currently.
- In Australia, 52,350,000 tonnes of coarse grain and wheat was produced in 2016–17(i.e. cereal crops primarily including barley, grain sorghum, maize, oats, triticale and wheat), covering 18,469,000 hectares.
- About 65% of Australia’s grain is exported, including up to 90% of that grown per annum in Western Australia and South Australia.
- As at 30 June 2015, Australia had an estimated national flock of 67,543,092 sheep and lambs.
- In 2015–16 about 50% of the sheep meat Australia produced was exported.
- There are 3,341 sugar farms in Australia, with 2,976 in Queensland and 362 in New South Wales.
- In 2015–16, the value of Australian wool exports was \$3.281 billion. Major markets for wool (by value) are China (\$2.417 billion), India (\$216 million) and Italy (\$160 million).

Source: National Farmers Federation www.nff.org.au



2020 CONTEMPORARY SCHOLARS CONFERENCE

13–20 March 2020 Queensland, AUSTRALIA

PROGRAM



TIME	ACTIVITY / TOPIC	SPEAKER / NOTES
Friday 13 March		
	Arrive at 220 Holt Street Wharf Brisbane, ferry to Tangalooma Island Resort	Ferry times daily: 7am, 10am, 2pm, 5pm <i>Nuffield has arranged your ferry tickets</i>
4.30pm	CSC Registration	Registration desk near reception
6.30pm	Welcome Drinks and BBQ at Flensing Deck	DRESS CODE: Smart casual <i>*Must conclude 10pm, due to noise restrictions*</i>
Overnight	Tangalooma Island Resort	
Saturday 14 March		
6.30am	ACTIVITY: 'Take a Walk' to Tangalooma Wrecks	
7.30pm	Breakfast	DRESS CODE: Business casual, closed shoes
8.30am	Welcome to Country	Conducted by Aboriginal Elder Auntie Evie
9.00am	Welcome on behalf of Nuffield Australia and Nuffield International (NI)	<ul style="list-style-type: none"> • Rob Bradley (2009) Chair, Nuffield Australia • Kelvin Meadows (2011) Chair, NI • Andrew Fowler (2000) Incoming Chair, NI
9.15am	Setting the scene	Jodie Redcliffe (2013), CEO, Nuffield Australia
9.20am	DAILY VALUE: RESPECT	
9.30am	Scholar introductions	FACILITATOR: Wyn Owen, 1998 Nuffield Scholar
10.30am	Morning break	
11.00am	Scholar introductions (cont'd)	Wyn Owen
12.45pm	Lunch break	
1.30pm	INTRODUCTION: Co-operative conversation	Wyn Owen
2.30pm	Nuffield 101	Jodie Redcliffe
3.00pm	Afternoon break	
3.30pm	Board, Country Executive introductions	
4.15pm	ACTIVITY: Move to Eco Centre	DRESS CODE: Closed shoes, water and a hat
4.30pm	ACTIVITY: Island Explorer Tour and Osborne Family History	1 hour. Group splits into two for this activity
5.30pm	Wrap up	
6.00pm	Beach bonfire	BBQ buffet dinner and seafood platters
Overnight	Tangalooma Island Resort	

PROGRAM [CONT.]



TIME	ACTIVITY / TOPIC	SPEAKER / NOTES
Sunday 15 March		
6.15am	ACTIVITY: Paddle-boarding or kayaking for those interested	Meet at Tanga Tours to get equipment. Start at 6:30am
7.30pm	Breakfast	
8.45am	DAILY VALUE: DIVERSITY	DRESS CODE: Business casual
9.00am	UNIVERSITY OF MELBOURNE — Professor Bill Malcolm	Professor Bill Malcolm, University of Melbourne
10.30am	Morning break	
11.00am	LAGUNA BAY – Tim McGavin	Tim McGavin, Founding Partner and CEO, Laguna Bay www.lagunabay.com.au
12.00pm	Lunch break	
1.00pm	SPLIT SECOND LEADERSHIP — Dr David Jones Emotional Timeline: Personality profiling, communication, networking, critical reflection, active listening	Dr David Jones, Split Second Leadership www.splitsecondleadership.com
2.30pm	Afternoon break	Walk to Flensing Deck at 3pm
3.15pm	ACTIVITY: Desert Safari	Tangalooma 4WD bus tour, sand tobogganing
5.30pm	Wrap up	
6.30pm	Wheelhouse Beachside Grill dinner TOPIC: 'Trends in Agricultural Investment in Australia'	Special guest speaker: John McKillop, Chairman, CBRE Agribusiness www.cbre.com.au
Overnight	Tangalooma Island Resort	

Monday 16 March		
6.30am	ACTIVITY: 'Take a Walk': Desert Walking Track	
7.30pm	Breakfast	
8.45am	DAILY VALUE: INTEGRITY	DRESS CODE: Business casual
9.00am	AGTHENTIC — Sarah Nolet	Sarah Nolet, Partner and CEO, AgThentic agthentic.com
10.15am	Morning break	
10.45am	WESTCHESTER GROUP — Martin Davies	<ul style="list-style-type: none"> • Martin Davies, 2006 UK Scholar and CEO, Westchester Group Investment • Matt Bull, CEO, Westchester Australia
12.00pm	Lunch break	
1.00pm	WORKSHOP: HOSTED BY BAYER <ul style="list-style-type: none"> • Richard Dickman • Christi Dixon 	<ul style="list-style-type: none"> • Richard Dickman, Public and Government Affairs, Australia and New Zealand, BAYER • Christi Dixon, Agriculture Engagement and Advocacy Manager, Crop Science Division, Bayer www.bayer.com.au
2.30pm	BAYER YOUTH AG SUMMIT WINNER — Maycon Cesar	Maycon Cesar, Bayer Youth Ag Summit winner
3:00pm	Afternoon break	
3.30pm	WORKSHOP: BAYER (cont'd)	
5.30pm	Wrap up	
6.15pm	Market Stall Cocktail Function and Dinner – Marquee Lawns	Hosted by Bayer
Overnight	Tangalooma Island Resort	

PROGRAM [CONT.]



TIME	ACTIVITY / TOPIC	SPEAKER / NOTES
Tuesday 17 March		
6.30am	ACTIVITY: 'Take a Walk'	
7.30pm	Breakfast	
8.30am	DAILY VALUE: RECIPROCITY	DRESS CODE: Business casual
8.45am	WORLD WILDLIFE FUND – Ian McConnel	Ian McConnel, Global Commodity Leader – Beef, WWF-Australia www.wwf.org.au
9.45am	EE MUIR & CO – Ian Muir	Ian Muir, E. E. Muir & Sons Pty. Ltd www.eem.com.au
10.45am	Morning break	
11.15am	RABOBANK – Karin van Selm	Karin van Selm, Group Executive, Wholesale, Rabobank www.rabobank.com.au
12.30pm	Lunch break	
1.30pm	FOOD AND AGRICULTURE ORGANISATION – Robynne Anderson	Robynne Anderson, President and CEO, Emerging Ag Inc.
2.00pm	NUFFIELD INTERNATIONAL AMBASSADOR – Wayne Dredge	Wayne Dredge, 2014 Australian Scholar, Victoria nuffield.com.au/wayne-dredge
2.30pm	Afternoon break	
3.00pm	Wayne Dredge – Topic testing	
3.45pm	HELLO LITERACY – Jen Jones	Jen Jones, Proprietor, Hello Literacy www.helloliteracy.com
5.30pm	Wrap up	
6.45pm	Meet at jetty	
7.00pm	ACTIVITY: Dolphin feeding	
8.00pm	Dinner	Mexican theme at Vista Patio
Overnight	Tangalooma Island Resort	

Wednesday 18 March		
6.30am	ACTIVITY: Morning beach swim	
7.15am	Breakfast	<i>*Luggage packed and outside room by 8:30am*</i>
8.30am	DAILY VALUE: HUMILITY	DRESS CODE: Business casual
8.45am	COUNTRY OVERVIEWS – Nuffield country synopsis	
10.15am	Morning break	
10.45am	AGRIFUTURES AUSTRALIA IMPACT INNOVATION GROUP – Brian Ruddle	www.agrifutures.com.au www.impactinnovation.com
11.15am	Lunch break	<i>(Early to catch the ferry)</i>
11.45am	Collect luggage, walk to ferry wharf	
12.00pm	Catch ferry to Brisbane	
1.15pm	Ferry arrives Holt Street Wharf	
2.00pm	To Woolworths: groceries for breakfasts	
3.00pm	Check in (Quest) Breakfast Creek	15 Amy St, Albion QLD
5.45pm	Gather at Quest Apartments car park	DRESS CODE: Business Formal <i>*Bus to Parliament House *</i>
6.15pm	Welcome Reception at Parliament House	Pre-dinner drinks
7.00pm	Formal Dinner at Parliament House, Hosted by Tony Perrett, MP	Tony Perrett, MP, Qld Shadow Minister for Agricultural Industry Development and Fisheries and Forestry
9.00pm	Return to accommodation by bus	
Overnight	Quest Breakfast Creek	

PROGRAM [CONT.]



TIME	ACTIVITY / TOPIC	SPEAKER / NOTES
Thursday 19 March		
5.30am	Breakfast at Quest, self-catered	
6.00am	Congregate at Riverview Hotel DAILY VALUE: OPEN-MINDEDNESS	DRESS CODE: Business casual
6.15am	Depart Brisbane by bus	
7.45am	Visit Maleny Dairies	www.malenydairies.com
9.15am	Depart Maleny Dairies	
10.00am	Visit Pinata Farms	www.pinata.com.au
11.15am	Depart Pinata Farms	Lunch on the bus
11.30am	MR Macadamia Farm	
12.45pm	Depart MR Macadamia	
1.30pm	Visit Lite and Easy	www.liteneasy.com.au
2.30pm	Depart Lite and Easy	
3.15pm	Visit Port of Brisbane	www.portbris.com.au
4.30pm	Depart Port of Brisbane	
5.00pm	Visit Felons Brewery (tour and tasting)	felonsbrewingco.com.au
7.00pm	Dinner – Felons Brewery	Pizza night
8.30pm	Return to Brisbane accommodation	
Overnight	Quest Breakfast Creek	
Friday 20 March		
7.15am	Breakfast at Quest, self-catered	
8.15am	Assemble at Riverview Hotel	DRESS CODE: Business formal
8.30am	DAILY VALUE: CONTINUOUS LEARNING MINDSET	
8.40am	Group review themes from the week	
10.30am	Morning break	
11.00am	Group review themes from the week	
12.00pm	Lunch break	Invited guests to join the lunch and PM session
1.00pm	Speaker TBC	
1.30pm	Dan Richards, 2016 Scholar	2016 Australian Nuffield Scholar nuffield.com.au/dan-richards-2
2.00pm	Emily Rigby, 2016 Scholar	2016 Australian Nuffield Scholar nuffield.com.au/emily-rigby-2
2.30pm	Q&A session	
3.00pm	Afternoon break	
3.30pm	Ollavo Queiroz Tinoco, 2019 Scholar	2019 Brazilian Nuffield Scholar nuffieldinternational.org/scholarship/winners/index.php?year=2019
4.00pm	Kerri-Ann Lamb, 2019 Scholar	2019 Australian Nuffield Scholar nuffield.com.au/2019-scholar-profile-kerri-ann-lamb
4.30pm	MAZARS – Owen Dingle and Angela Winton	www.mazars.com.au
5.00pm	Q&A session	
5.30pm	Conference day ends	Followed by dinner locally
Overnight	Quest Breakfast Creek	

NUFFIELD INTERNATIONAL

BOARD OF DIRECTORS



KELVIN MEADOWS

Chair

NUFFIELD INTERNATIONAL

E:

Kelvin Meadows is a 2011 Canadian Nuffield Scholar from Saskatchewan. His topic delved into the factors that contribute to a successful farmer owned value chain, including farmer investor relations and expectations, as well as plant capitalisation and board/management composition.

For over 20 years, Kelvin was a pedigreed seed grower as well as owner/operator of a seed sales, cleaning and export business near Moose Jaw. During his farming tenure, Kelvin had the opportunity to serve ten years as Director and Chairman of the Saskatchewan Canola Development Commission, providing exposure to different aspects of the food industry.

After divesting themselves of the farm in 2008, Kelvin and his wife, Shelley, moved into value added food processing through an investment in Avena Foods Inc., a Saskatchewan based gluten free oat milling plant, where Kelvin served as chair for the past nine years. The Meadows' currently own and operate a seed crop inspection business and manage the family owned land development company.



ANDREW FOWLER

Incoming Chair

NUFFIELD INTERNATIONAL

E:

Andrew Fowler was elected to the Nuffield Australia Board in 2011 and was appointed Chair of the Board in September 2016. Andrew and his wife Marie farm with his family outside Esperance on the south-east coast of Western Australia. The business produces canola, barley, wheat, lamb, wool and beef. Andrew is currently focusing on the synergies between the live-stock and the crops, grazing all the crops and ensuring good sub-clover pasture regeneration. Andrew was awarded life membership of the South East Premium Wheat Growers Association (SEPWA) and is also a member of the GRDC's local Regional Cropping Solutions Network. He travelled on his Nuffield Scholarship in 2000. At the time, he was the youngest person to have ever received a Nuffield Scholarship at just 25.



MARTIN DAVIES
External Board Member
NUFFIELD INTERNATIONAL

E:

Martin Davies's 25 years in the agricultural industry have included posts within corporate agriculture, consultancy and investment.

Prior to joining Westchester in September 2014, he led the deployment of institutional investors' capital into farmland in New Zealand, Australia, Romania, Poland and Chile for Bank of New York Mellon's asset management subsidiary Insight Investment.

After 13 years with the Cooperative Group Farms in the UK, his lead into agricultural investing was five years spent working on agricultural investment projects for private investors in Poland, Romania, Bulgaria and Ukraine.

An Agricultural graduate of The University of Reading, Martin was Chairman of the 2017 Oxford Farming Conference. He is a 2006 Nuffield Scholar and is a member of the Institute of Agricultural Management and the Central Association of Agricultural Valuers.



JOSEPH LEONARD
Board Representative
NUFFIELD INTERNATIONAL – IRELAND

E:

Joseph (Joe) Leonard is married to Mairead, they have four children and farm at Stamullen, Co. Meath, Ireland. He was awarded the 2014 Nuffield Ireland Scholarship, sponsored by the Peter Daly Trust, Dairymaster and LIC.

Joe is a dairy farmer currently milking 650 cows in a milk production partnership. He is also involved, with his brother, in Bellewstown Golf Course, a business they set up together in 2004.

It was partly as a result of setting up and developing these businesses that he came to his Nuffield topic 'To Investigate and develop Stress Management Systems in Farming in Ireland' with specific emphasis on the education of young farmers and agri-industry personnel. As an industry, Joe feels that agriculture needs to recognise that the farmer is the single most important factor in the success of the business.

Joe currently sits on the Board of Directors of Nuffield Ireland and is the current Irish representative on the Board of Nuffield International.

NUFFIELD INTERNATIONAL

BOARD OF DIRECTORS [CONT.]



CRAIGE MACKENZIE
Board Representative
NUFFIELD INTERNATIONAL
– NEW ZEALAND

E:

Craig Mackenzie is an innovative dairy and cropping farmer from Methven, New Zealand. His farms are situated near the foothills of the Southern Alps on the Canterbury Plains. Greenvale Pastures is an intensive irrigated cropping operation growing a wide number of specialist seed crops, many for overseas markets.

On Three Springs Dairies they milk 950 cows, plus young stock, on 320 hectares. The farm is a fully irrigated, pasture-based system with grain feeding in the dairy shed. He is also the founding director of New Zealand's first precision ag company, Agri Optics NZ. Craig is co-owner and director of the newly established company Vantage NZ. In 2008 Craig was recipient of a New Zealand Nuffield farming scholarship with study topic of 'Understanding our Carbon Footprint in Farming Systems'. In 2013 Craig won the coveted 2013 National Ballance Farm Environment Award. In 2016 Craig was awarded the International Precision Ag Farmer of the Year.



ROB BRADLEY
Chair
NUFFIELD AUSTRALIA

E:

Rob Bradley and his wife Jo operate Bradley Agriculture, an extensive farming business in Northern Tasmania that includes an 850-cow dairy, prime lamb production and irrigated cropping of high value crops including seed carrots, peas and poppies. They are also partners in a 4,500 hectare broadacre farming operation in northern NSW. Outside his own business Rob serves on two non-profit Boards in his local community, Cressy Longford Irrigation Scheme and Toosey Aged Care, Longford. He also serves as a director on a Dairy Farm Management Business. Awarded his scholarship in 2009, he studied the integration of livestock and cropping farming systems.



BRENDON SMART
External Board Member
NUFFIELD AUSTRALIA

E:

Brendon Smart is owner-operator and Business Development Manager of Smart Group, a 5,000-hectare property at Keith and 400 hectares at Victor Harbor in South Australia, producing irrigated and non-irrigated crops of lucerne seed, cereals, pulses, export fodder and livestock.

The business is run by a board, with three non-family members, independent chair and part-time CEO, and has been awarded the South Australian Premiers Food and Fibre Award, Field Crops, for excellence, innovation and leadership.

Brendon is a 1990 Nuffield Scholar, Nuffield Life Member, Past National Chairman and Chairman Nuffield International Triennial Conference held in Australia in 2011. He has a long career in agri-politics at state, national and international level, holding office for many years mainly with pasture seeds and cereals. He is Past Board Chairman of Seedmark Pty Ltd and Seedco Pty Ltd. He is Member of Adelaide University Agriculture Advisory Board, Past Chairman of Patoa Farms NZ Pty Ltd and Brimbago Asset Co.

Brendon has lectured at Macquarie University, Sydney, the Rabobank EDP Course on Agri-Business Structures and Human Resource Management, and the Australian Institute of Company Directors.

Brendon is married to Robyn and they have three sons. He is a keen pilot with a private pilots license, night VFR spanning 32 years.



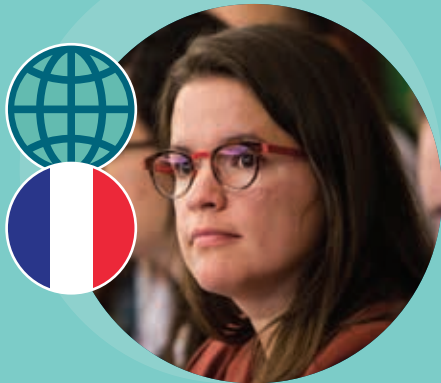
BLAKE VINCE
Chair
NUFFIELD CANADA

E:

Blake Vince is a fifth generation farmer and a 2013 Canadian Nuffield Scholar from Merlin, Ontario Canada. Presently their farming operation grows commercial corn, soybeans and winter wheat on 485 hectares. Blake is an advocate for soil health. He is known for using diverse cover crop mixes to rebuild and regenerate soil. He continues to speak on the International stage about the impact of soil management and water quality. Along with his wife Karen, they have two teenage children, Cora and Elliott. He has been a member of the Rotary Club of Chatham Sunrise for over 20 years. His role as the Canadian Nuffield Chairman has enabled him to share his passion and leadership skills in continuing to grow the Nuffield Canada program. Blake would like to congratulate the 2020 class of Nuffield scholars and wishes everyone the utmost success on their personal journey.

NUFFIELD INTERNATIONAL

BOARD OF DIRECTORS [CONT.]



YOLENE PAGES
President
NUFFIELD FRANCE

E:

Yolène Pagès is interested in agroecology and the role that different farming systems can play in enhancing rural areas. She is also passionate about how these farming systems can become more sustainable, taking into account environmental, social and financial issues.

Yolène is a graduate of Purpan University in Toulouse and worked for many years as an agronomist for a technical institute in the South of France.

She has facilitated a number of multi-actor projects involving groups of innovative farmers, researchers, technicians and locally elected representatives. These projects have mainly been in the National Parks of Grand Causes and Aubrac.

She has also been involved in her family farm for many years where they produce for the Roquefort cheese (PDO), made with sheep milk.

Yolène has traveled extensively in such places as Africa and America.

Yolène is now developing a project with a group of farmers seeking to add value to sheep milk.

Recently elected as chairman of Nuffield France, she encourages the Nuffield network to put France into their agenda.



ANNECHIEN TEN HAVE MELLEMA
Chair
NUFFIELD NETHERLANDS

E:

Annechien ten Have Mellema farms in partnership with her husband Menno and her son Detmer on a farm in Beerta in the north of the Netherlands. The farm consists of pig farming, arable farming and the fermentation of manure to produce energy.

They want to have more focus on the demands of consumers and wants to bring back the delicious taste of pork back to the consumer. They have their own brand on pork called Hamletz.

The new future for their farm is integrated sustainable agriculture. Scaling up in combination with the highest standards for animal welfare and the environment will be their future.

Their aim is to make smart use of technology to improve the welfare of the pigs and to reduce emissions. Her study is: *'The value chain of pig meat. How can we produce in special market concept: Challenges and threats?'*

Annechien has worked on the farm since 1993. She was the chairman of the pig branch of the Dutch Farmers Union LTO Nederland for eight years, she was vice president of the Product Board of Livestock and Meat (PVE) and vice chair of Royal Dutch Sport Horse (KWPN).

Presently, Annechien is a member of the board of a Local Water authority, member of the council on animal affairs, and chairman of the Dutch project to end castration of piglets.



HELEN WOOLLEY

Chair
NUFFIELD UNITED KINGDOM

E:

Helen Woolley was elected as Chairman of Nuffield Farming Scholarships Trust in November 2018 and is a Director and UK representative of Nuffield International. She is an experienced Board Director with six years experience as both Executive and Non-Executive Director and has an in depth knowledge and understanding of agriculture and the wider rural sector gained from 35+ years experience working in the industry, the last 12 years at senior management level and most recently as Director General of CLA until retiring in November 2018. She also has a wealth of practical experience having worked on dairy and arable farms including her husband's farm business in Lincolnshire.

Food Farm Future

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NUFFIELD INTERNATIONAL MANAGEMENT



JIM GELTCH

Chief Executive Officer
NUFFIELD INTERNATIONAL

E:

Jim Geltch handed over responsibility as Chief Executive Officer of Nuffield Australia Farming Scholars on 30th June 2016, a position he held since November 2005, to take up the CEO role with Nuffield International Farming Scholars. His current remit is to expand the scholarship program beyond the current seven Nuffield countries. This includes identifying potential investors and candidates for the program around the world as well as managing the application process, selections and international study program for the Nuffield International Scholars.

A farmer and Nuffield Scholar himself, Jim simultaneously operates, with his sons, a farming operation in Northern Victoria. He undertook a Nuffield Scholarship in 1986 to explore farmer education, advances in irrigation technology and computer-based crop modelling in Europe and Israel.

Jim was awarded the Order of Australia for service to primary industry in the field of irrigated agriculture and promotion of agricultural research and education. Jim is married to Helen and they have four sons; Mark, Paul, Neil and David.



MIKE VACHER

Chief Financial Officer
NUFFIELD INTERNATIONAL

E:

Mike Vacher has been the Director of the Nuffield Farming Scholarships Trust for the past seven years and is also the Honorary CFO and Company Secretary for Nuffield International.

He is responsible to the Nuffield Trustees for managing the scheme of study and personal development and its involvement with Nuffield International.

He comes with a lifelong commitment to rural affairs and agriculture, as well as experience gained from a successful military career, followed by seven years as Bursar of large independent school charities.

During his time in the British Army he travelled extensively, served in Sierra Leone, Jordan, Hong Kong and Europe as well as visiting United States of America, Canada and New Zealand and working in international organisations. He was Deputy Commandant and Chief of Staff at the Royal Military Academy Sandhurst where he set up 'The Sandhurst Foundation' as an alumni for the 60,000 officers and staff with the greater purpose of fostering leadership worldwide.

Mike is an accomplished horseman, who has been Chef d'Equipe for international three Day Eventing teams.

The NFST office runs from his small farm in the heart of Somerset on the Blackdown Hills, where he lives with his wife who acts as Director's Assistant. They have one son who is a chartered surveyor and oversees a number of the home projects!



NUFFIELD COUNTRY EXECUTIVES

AUSTRALIA



JODIE REDCLIFFE
Chief Executive Officer
NUFFIELD AUSTRALIA

E:

Jodie Redcliffe is a 2013 Scholar who worked as interim CEO in 2019, and has recently been appointed CEO. She enjoys working with alumni, investors and key stakeholders to grow the reach and transformative power of Nuffield in Australian agriculture.

Coming from a dairy and pig-farming background, Jodie and husband Wayne operated a commercial broiler farm for 27 years. Jodie had prominent roles in the chicken industry for over 10 years: most recently as President of the Australian Chicken Grower Council. Jodie also sat on the Australian Chicken Meat Federation, the peak body representing farmers and processors. These roles involved communication activities, liaising with processors on issues such as feed and contract negotiations and involvement in setting policy.

In July 2017, they sold their chicken farm, and purchased an Angus breeder operation and agritourism venture in Northern NSW. Jodie has been heavily involved with Nuffield Australia as Queensland State Chair, a member of the Programs Committee and foundation host of the Japan leg of the GFP. This role is a passion of Jodie's, marrying her ability to speak Japanese with her interest in assisting Japanese farmers to become involved in the Nuffield programme. The first Nuffield International Japan scholar has been awarded in 2020. Jodie and Wayne have three children: Dimity is COO of a tech company and Nic and Pip are both geotechnical engineers. They like nothing more than having the kids home and cooking pizzas in the world's fanciest pizza oven @bigbluff.

CANADA



NOT IN ATTENDANCE

LÉONA WATSON
Executive Director
NUFFIELD CANADA

E:

Léona Watson is the eldest of five daughters raised on their family farm in Alberta, Canada. Together they learned the values of hard work, perseverance and gratitude. They managed a 4,000 head feedlot and 7,000 acres of crop and pasture land.

This is Leona's second year as Nuffield Canada's Executive Director. She studied family farm succession planning as a 2011 Nuffield Scholar and has since become a motivational/inspirational keynote speaker. Leona's newest adventures are taking place in the Yukon Territory as a young farmer, homesteader, an outfitter and most recently a mother. She strives to break down the barriers within Canada's circumpolar agricultural community and lead by example of what the future holds for growing food in Canada's north.



FRANCE



NOT IN ATTENDANCE

STÉPHANIE CHANFREAU

Secretary
NUFFIELD FRANCE

E:

An Agricultural engineer with a degree in plant production from Montpellier Supagro, **Stéphanie Chanfreau** started out in the R&D sector on fungus resistant grapevine varieties at ICV Group and then at the vineyard Domaine la Colombette. She then worked briefly in New Caledonia on the conservation of plant species (IUCN Red list method) before focusing on her passion: tea.

Since 2014, Stéphanie has specialised in tea by visiting plantations, factories, and training with producers and specialists abroad, mainly in China. Stéphanie also deals with the art of preparation, tasting and the philosophy of tea in depth.

In 2017, Stéphanie chose the Basque Country as anchor land with the objective of establishing a pilot tea plantation, which will produce by 2023 a range of artisanal teas inspired by Chinese and Japanese processing methods.

Simultaneously, she has worked with a collective moved by values from social and solidarity economy to promote art of tea in France.

IRELAND



NOT IN ATTENDANCE

KAREN BROSAN

Chair
NUFFIELD IRELAND

E:

Karen Brosnan works nationally and internationally as a strategy consultant, facilitator, Board consultant and executive coach. She works with companies, boards and executives to plan strategically for organisational change, to build governance capacity and compliance and to implement leadership development programmes. Karen advises on strategy, governance, culture change, ethos, diversity and inclusion, communications, relationships, personal effectiveness and people management. She has worked with farmers, processors, service providers, education charities, state and semi-state organisations in the agri-food sector since 2000.

She is the Chairperson of both Nuffield Ireland and Gurteen Agricultural College. She sits on the national Agri-food diversity and inclusion taskforce, organising Masterclasses on talent management, agile and inclusive working places. She is a founding member of Ceres – women in agri-business leadership network. A 2013 Nuffield scholar, her report was on 'Pathways of leadership development for Irish Agriculture'. Her MBA thesis (2009) was titled '*Leadership challenges for Irish businesses post Celtic Tiger*', and her chosen specialist MBA subjects were Corporate Governance, and Corporate responsibility. Karen is a Fellow of the Chartered Institute of Personnel Management, a member of the Irish Management Consultant's Association, and the Royal Dublin Society.

NUFFIELD COUNTRY EXECUTIVES [CONT.]

IRELAND



JOHN TYRRELL

Secretary
NUFFIELD IRELAND

E:

John Tyrrell is Executive Secretary of Nuffield Ireland Farming Scholars, and took up this position in January 2013.

John is from a farming background in County Dublin. He graduated with an Honours Degree in Agriculture from University College Dublin. He then worked with ADAS, in the UK for three years as a Specialist Dairy Adviser.

In 1978, he took up a role in the Irish Co-operative Organisation Society (ICOS), and became CEO of ICOS in January 1990 and continued in that capacity until late 2010.

John operates a consultancy business focused on the food industry, co-operatives, governance and strategy. He has extensive experience of international dairy co-ops.

In addition to his role as Executive Secretary of Nuffield Ireland, he is Executive Secretary of the Dairy Research Trust which is responsible for the collection and allocation of the dairy levy to dairy production and food research programmes, and is part of the European network of dairy levy organisations.

NETHERLANDS



NOT IN ATTENDANCE

DJÛKE SMITH VAN DER MAAT

Director
NUFFIELD NETHERLANDS

E:

Djûke Smith van der Maat is a fourth-generation farmer growing apples, pears, plumbs, cherries and she is the first Dutch kiwi fruit grower. The farm also includes a farm shop, education, forestry, a maze, a horse livery and beef cattle.

A few years after graduating from Wageningen University, Djûke started her trading company, buying high quality fruit from selected growers. She stimulates farmers to grow their fruit in an integrated way and sells it under a certification scheme to retail and food services.

Farming in a densely populated area (10 million people within a 60 kilometre radius), Djûke is highly interested in farmer-consumer relations. She is involved in several initiatives stimulating local produce, local farmers cooperating and and she is board member of the Dutch Young Multi-Functional Farmers Organisation. Djûke was recognised as being top three agricultural entrepreneur of The Netherlands and received the European Innovation Prize for Women Farmers. Being awarded with a Nuffield Scholarship in 2011 herself, Djûke is now Director of Nuffield Netherlands.



NEW ZEALAND



NOT IN ATTENDANCE

ANDREW WATTERS

Chair
NEW ZEALAND RURAL LEADERSHIP TRUST

E:

Andrew Watters has extensive experience with practical farming and corporate management. He began his career as a farm consulting officer for the then NZ Dairy Board. He then joined the former Kiwi Cooperative Dairies (a forerunner to Fonterra) as milk supply manager and then farm services manager.

In 1998, Andrew and his wife Alison went 50/50 sharemilking milking up to 650 cows. In 2003, they won the New Zealand Sharemilker of the Year title and Andrew was awarded a Nuffield Scholarship. He studied '*Innovation systems to add value beyond the farm gate*'. Today they own a dairy farm milking 600 cows on irrigated land in Wairarapa.

Andrew joined the MyFarm business part time in 2000 and became a partner in 2005, one of two Managing Directors in 2007 and CEO in 2016. Under Andrew's leadership the investment team at MyFarm have consistently raised \$25-60 million per annum for investment in quality rural investments whilst also developing an effective share sales service for those investors who want to exit their investment (liquidity has traditionally been an issue with investing in farm syndicates).

The MyFarm team consists of more than 25 staff who raise capital and manage more than US\$500 million of farms including South Island dairy, North Island sheep and beef farms and a range of Pipfruit, Vineyard, Kiwifruit and rural commercial property investments.

NEW ZEALAND



ANNE HINDSON

General Manager
NEW ZEALAND RURAL LEADERSHIP TRUST

E:

Anne Hindson has been the General Manager of the New Zealand Rural Leadership Trust for the past five years. The Trust manages the Nuffield NZ Scholarships and the Kellogg Rural Leadership Programme, two highly successful and recognised agri-business professional development programmes. The joint management, governance and funding of the two programmes has ensured that there are pathways for leadership in the sector.

Collectively the two programmes are providing comprehensive professional development for 53 people per year with recent involvement by some new industry sectors including aquaculture, viticulture and forestry as well as the dairy, red meat, and horticulture sectors.

Anne previously worked in consultancy with sport, recreation and major events including project management of several large events including an APEC Science & Technology Ministers Meeting & Associated Events, Regional Manager for 2011 Rugby World Cup and for the FIFA U17 Women's World Cup. She has a strong background in strategy development, feasibility studies, functional design briefs and sponsorship and funding for facilities and events.

She has enjoyed being able to have a role in the conferences and events for the Trust's two programmes and is currently on the organising committee of the 2020 Nuffield NZ Conference and the 2020 Nuffield Triennial. Anne leaves her role at the end of April.

NUFFIELD COUNTRY EXECUTIVES [CONT.]

ZIMBABWE



ROB FISHER

Chair

NUFFIELD ZIMBABWE

E:

With an agricultural and export background **Rob Fisher** has, for the past 15 years, developed a successful career in agronomic consultancy for commercial projects in many parts of Africa. This includes due diligence and feasibility studies as well as providing advice for established agricultural businesses. He has also worked significantly with mainly NGO-sponsored out-grower programs throughout Zimbabwe. In parallel, he has established an export flower seed business in Zimbabwe which sources product from up to 1,000 contracted small-scale farmers.

Rob graduated with B.Sc.(Agric) and M.Sc.(Agric) degrees at the University of Kwazulu-Natal, South Africa. In 1986, he purchased a largely undeveloped farm in northern Zimbabwe and grew this into a highly intensive and productive unit with abundant and sophisticated irrigation infrastructure. In 2002 this farm became a victim of the Government land redistribution program and his family had to vacate at short notice.

Rob was awarded a Nuffield Scholarship in 2002, with that year being the last that scholarships were awarded in Zimbabwe. Nuffield Zimbabwe was put into recess with the collapse of the commercial agriculture sector and an economy that rapidly imploded.

Rob attended the Nuffield Triennial Conference in the UK in 2017 and came home inspired to rejuvenate Nuffield in his home country. It was planned, with assistance and guidance from Nuffield International, to select a Zimbabwe Nuffield Scholar for 2020.

Rob is married to Romée and has two sons and a daughter. His interests include most sports and he presently participates in squash, tennis and mountain bike events. He also has a passion for African flora and fauna as well as its diverse wildlife.

We rounded them up again in 2019.



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in valuations



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NUFFIELD INTERNATIONAL ASSOCIATED COUNTRIES



BRAZIL

MURILO BETTARELLO

Chair
NUFFIELD BRAZIL

E:

Murilo Bettarello is an agronomist and partner of ViaVerde consultancy for tropical agriculture, working with NGO's, farmers and government across Brazil and into other countries in South America. His projects focus on delivering productivity, profitability and quality of life improvements for his clients and the sector. Key clients include companies and NGO's like Solidaridad, WWF (WorldWild Foundation), Imaflora and Global Coffee Platform, Enveritas.org. Over the past 20 years, ViaVerde and Murilo have trained and helped more than 2000 agriculture professionals (e.g. agronomists, technical support and farmers) to adopt good production practices and improve productivity following the Sustainable Development Goals.

Seeing opportunities in the AgTech digital start-up space to assist family farmers connect and share relevant information in a cost-effective way, Murilo founded and is the CEO of an AgTech Start-up – IZagro. This digital platform uses cellular and internet networks to deliver and connect knowledge and information between farmers, especially relevant for smaller family farmers, not as readily serviced by the ag advice industry. Established in May 2017, IZagro achieved 50,000 users in Brazil and Latin America. “The nature of my business is to empower farmers to make better decisions by having good information and connect with market” says Murilo.

Murilo isn't from a farming background but chose to get involved with the sector as a 13-year-old, after enjoying time with his best friend who is from a family farming business. Murilo's father gave the 13-year-old and his brother 10 heifers to grow out, and a year and a half later they started renting land together for the growing herd.

Murilo studied at University de São Paulo with a graduate degree in agronomic engineering and a Masters in entrepreneurship and business administration. He is also a 2017 Nuffield International Scholar supported by Nufarm, and his study topic is to understand how digital agriculture will help small farmers around the world.



BRAZIL

SALLY THOMSON

Executive Officer
NUFFIELD BRAZIL

E:

NOT IN ATTENDANCE

Sally Thomson has 15 years experience working with farmers in Australia and more recently Brazil, turning ideas into action through facilitation and project coordination. Growing up on her family crop and sheep farm in Western Australia, and now based on an irrigated tropical dairy in central Brazil, she has a strong affinity with people, the land and agriculture.

Sally's affection for Brazil started in 1997, when she lived in Auriflana-SP for one year as Rotary Youth Exchange awardee. In her role as the Nuffield Ambassador for Brazil, Sally is actively developing Nuffield opportunities for Brazilians and supporting Nuffield Scholars with contacts in Brazil – including coordinating the Brazil leg of the Global Focus Program.

She speaks advanced Portuguese and enjoys the learning opportunities that travel presents. Sally is a 2014 graduate of the Australian Rural Leadership Program.



CHILE

JOSE MANUEL IRARRAZAVAL ZEGERS

Secretary
NUFFIELD CHILE

E:

NOT IN ATTENDANCE

Jose Manuel is an agronomist in Temuco, Chile. He is active in production agriculture, and serves as a consultant and partner for global agricultural companies active in Chile. His background covers crop production, wine grapes, strawberry plants and seed production, irrigation, linseed oil, crops, and livestock.

Since November 2018, Jose Manuel has managed the Nuffield International activities in Chile – including the selection of their first Nuffield International Scholar in 2019.

NUFFIELD INTERNATIONAL ASSOCIATED COUNTRIES [CONT.]



JAPAN

SHIGEO MAEDA

Chair
NUFFIELD JAPAN

E:

NOT IN ATTENDANCE

Shigeo Maeda is a fourth generation farmer in the Hokkaido region. He believes strongly in connecting the farm to the table, and feels that quality, creativity, and a sense of communication are success factors. Shigeo's credo is "supply customers straight from the field with what they like to cook and eat." Operating the family farm which dates back to 1899, Shigeo grows five varieties of bread wheat, oats, sugar beets, popcorn and sunflower. Shigeo was a 2016 Nuffield International Contemporary Scholars Conference delegate, and has hosted numerous Nuffield Scholars and groups. He assisted to establish Nuffield Japan as an Associate Country with Nuffield in 2019.



JAPAN

AOI (ANNA) FUJITA

Secretary General
NUFFIELD JAPAN

E:

Aoi (Anna) Fujita was born in Hyogo prefecture, Japan, and is now based in Tokyo. She started her career as business consultant at Nomura Research Institute, one of the biggest consulting firms in Japan, after finishing an MA in international relations (2007) and BA in history (2005) both at the University of Tokyo. Aoi was a 2019 Nuffield International Contemporary Scholars Conference delegate.

Aoi has been engaged in a variety of fields of Japanese industry including automotive, electronics, food, trading and infrastructure, and done many kinds of research and advisory service. What she noticed was that although Japanese industry overall is sophisticated and looking for internationalisation, there is one exception; agriculture. At the same time, however, Aoi realised the potential of Japanese agriculture; higher productivity, the latest technology, highly-qualified seeds and nursery.

In order to enforce Japanese agriculture and be involved as a member of strong agriculture, Aoi changed her career and since June 2016 she has been working for Farmship inc., which develops and runs five indoor-farming hydroponic plant all over Japan. There she has expanded her specialty to not only business development, but also human training, plant management, corporate planning and external relationship management.



SOUTH AFRICA

HLAMALANI NGWENYA

Chair
NUFFIELD SOUTH AFRICA

E:

NOT IN ATTENDANCE

Ms Hlamalani Ngwenya (widely known as Hlami) is an International Development Consultant and Senior Lecturer at the University of Free State (UFS). She holds a Masters Degree in Consumer Sciences and is currently pursuing her PhD in Sustainable Development. She has 23 years of experience in the broader development space. Her areas of expertise include Women and Youth Empowerment, Emancipation and Gender mainstreaming (including mentoring and coaching); Facilitation of Innovation Platforms, Economic Development and Cooperative governance; Knowledge Management and Communications; Systemic Competence Development and Personal Mastery; Strategic planning, Organisational Development and Change Management, Facilitation of Policy Dialogues, Multi-Stakeholder Engagement workshops and seminars at National and International levels. She has so far been involved in more than 100 international engagements in 44 countries worldwide, either as a facilitator, resources person or convener of multi-stakeholder engagements.

She is so passionate about youth and women empowerment issues. She provides mentoring and coaching for youth and leads a special campaign on PERFECT opportunities for Youth in Agriculture. This campaign aims at challenging youth to think outside the box, develop their capacities and link them with opportunities.

She also serves on a number committees and networks both locally and internationally. For example; she is a coordinator of the Global Forum for Rural Advisory Services (GFRAS) Consortium for Murilo Education and Training; member of the Private Sector Mechanism (PMS) of the United Nation Committee on World Food Security (and part of its Talent Development in Agriculture Call to action Global working group); and as Ministerial Appointee Board member of the Citrus Industry Trust in South Africa.

NUFFIELD INTERNATIONAL

ASSOCIATED COUNTRIES [CONT.]



SOUTH AFRICA

WAYNE DREDGE

Secretary
NUFFIELD SOUTH AFRICA

E:

Wayne Dredge is the owner and Managing Director of Piscari Industries, a small commercial fishing company based in Victoria, Australia that focuses mainly on Rock Lobster for the domestic and export market. His vessels fish throughout Victorian and Tasmania and he usually spends around six months of the year at sea. His company is currently diversifying into other developing fisheries as the impacts of climate change are varying the species range over the regions he traditionally fishes.

In 2014 he was the recipient of an Australian Nuffield Scholarship during which he travelled to over thirty countries studying technological innovation and fisheries management structures. The title of his report was *'Innovation and Accountability in Commercial Fisheries'* using the SESSF as a case study and explored ways in which industry can have the freedom to innovate in order to be more productive while ensuring 100% accountability for resource use. The report also addressed issues related to management reform in Australian fisheries.

On an industry level Wayne sits on the Victorian Rock Lobster Resource Assessment Group that provides scientific and management advice to the Victorian Fisheries Authority and is a member of the board for Southern Rock Lobster Limited (SRL), a company that works between South Australia, Tasmania and Victoria to direct research, development and innovation funding for the lobster industry.

Since completing his Nuffield Scholarship Wayne has spent considerable time throughout Sub-Saharan Africa on behalf of Nuffield International and the International Agri-Food Network organising agribusiness and study tours, developing an international network for agri-food professionals and raising awareness of the importance of fisheries and aquaculture in relation to global food and nutrition security.

From 2015 to 2019 Wayne has been a delegate of the Private Sector Mechanism to the United Nations Committee on World Food Security where he represented Nuffield International, SMEs and commercial fisheries. He has repeatedly advocated for more coordinated and concerted international effort to be directed at youth talent development in agriculture and fisheries to address in the inherent loss of capacity these sectors have suffered through urbanisation and economic and regulatory changes. For the last three years Wayne has taken on a voluntary role to assist the International Agri-Food Network to engage and coordinate youth, farmer and SME delegations to high-level international events related to agriculture, fisheries, food security and nutrition policy.



NOT IN ATTENDANCE

SOUTHERN CAUCASUS

SIMON APPLEBY

Governor

NUFFIELD SOUTHERN CAUCASUS

E:

Dr Simon Appleby is an Australian veterinary surgeon and emerging markets agribusiness professional. Born in the state of Victoria, Simon served as a Rifleman and Assault Pioneer in the Australian Army prior to graduating from the Melbourne Faculty of Veterinary Science in 1992. Simon subsequently completed an internship in Large Animal Medicine and Production at the University of Queensland's Pastoral Veterinary Centre in Goondiwindi on Queensland's Western Downs, and was awarded his Master of Veterinary Studies with a major in Epidemiology, and minors in agronomy, meat science, genetics and economics.

Simon was the Veterinary Officer and Quality Assurance Manager for one of Australia's longest-established feedlots, Killara (Quirindi) Limited, owned by Japanese conglomerate Mitsubishi, and developed major interests in supply chain traceability, food safety, performance monitoring, and preventive medicine.

In 1997, Simon established his own agribusiness consultancy firm based in Indonesia and was engaged in technical, managerial and business consulting for domestic and foreign investors in the beef, dairy, pork, aquaculture, agroforestry, cereal cropping and floriculture sectors in Indonesia and the Philippines. In 2000, his firm began working on projects in China's dairy and horticulture sectors, and from 2000-2010 the firm was engaged in a similar scope of work in China's Northeast, Sichuan, Chongqing, Guangdong, Jiangsu, Zhejiang, Shandong and Xinjiang regions. In addition to design and construction assignments, the company was engaged in irrigation system installation and equipment sales and service as well as farming on contract and in its own right.

In 2010 Simon's business shifted its emphasis westwards to the South Caucasus. Simon currently runs three companies in Georgia (an agribusiness firm, an agritourism resort developer, and a farm software developer) and one company in Armenia (agribusiness project management for Arab and Chinese clients). His companies' sectoral interests include wine and viticulture, dairy, woolgrowing, orchards and aquaculture. Simon's Hong Kong company is engaged in development of Public-Private-Partnerships in irrigation system development in Georgia, Armenia, Ghana and Uganda, as well as clean energy projects in the South Caucasus, backed by China's new One Belt-One Road policy initiative.

Simon is currently the Shadow Director of the International School of Economics at Tbilisi State University's Policy Institute- Agricultural Policy Research Centre, and the Shadow Director of the same think-tank's Private Sector Research Centre. He is the Chairman of the American Chamber of Commerce in Georgia's Agribusiness Committee, and is an Advisor to the Armenian Minister of Agriculture, as well as to Armenia's state-run Wine and Vine Foundation.

NUFFIELD INTERNATIONAL ASSOCIATED COUNTRIES [CONT.]



NOT IN ATTENDANCE

UNITED STATES OF AMERICA

ED KEE

President
NUFFIELD UNITED STATES OF AMERICA

E:

Ed Kee, a sixth generation Delawarean, served as Delaware's Secretary of Agriculture from 2009 to 2017, having been appointed to the post by Delaware Governor Jack Markell on January 21, 2009. Kee began his agricultural career as the Farm Manager for Nassau Orchards in Lewes, Delaware (1975 – 1978) and had a long and illustrious career with the University of Delaware Cooperative Extension (1978 – 2008). In 2004, he was appointed as the Extension Agricultural Program Leader. Following his retirement from the University of Delaware in 2008, Kee was the Director of Agriculture for Hanover Foods Corporation in Clayton, Delaware until his appointment as Secretary of Agriculture.

Ed is a nationally and internationally recognised expert on vegetable science, especially lima beans. He has also received many awards for his outstanding contributions to Delaware agriculture and public service, among them are:

- 1996 – George M. Worrilow Award for Outstanding Service to Agriculture by a University of Delaware College of Agriculture graduate.
- 2005 – University of Delaware's Ratledge Award for Outstanding Public Service.
- 2008 – Secretary's Award for Distinguished Service to Agriculture.
- 2008 – Bean Improvement Cooperative – Meritorious Service Award.
- 2013 – Delmarva Poultry Industry, Inc., Edward H. Ralph DPI Medal of Achievement for Outstanding Service on Behalf of Delmarva's Poultry Industry.
- 2013 – Inducted into the University of Delaware Wall of Fame.
- Order of the First State for Outstanding Service to Delawareans.

Ed graduated from the University of Delaware in 1973 with a Bachelor of Science in Agriculture. Kee has two Master's Degrees from the University of Delaware; a Master of Science in Plant Science in 1975 and a Master of Arts in Liberal Studies in 1996. He has authored or co-authored more than 30 articles in peer-reviewed scholarly journals. These include articles published in the fields of horticulture, vegetable science, agricultural engineering, agricultural economics, history and civil rights.

He has lectured on agricultural or historical topics across the United States and in Mexico, Germany, Hungary, Canada, Chile, New Zealand and the Ukraine. In 2010, Kee served as President of the National Association of State Departments of Agriculture, which includes all 50 states and four territories. During his University career and as Secretary, Kee continues to be instrumental in attracting major food processors to Delaware, creating jobs and opportunities for Delaware producers. As Secretary, he also created the Delaware Young Farmer's Program, enabling beginning farmers to acquire their first farm. Ed resides on a farm.



UNITED STATES OF AMERICA

JEAN LONIE

Vice President
NUFFIELD UNITED STATES OF AMERICA

E:

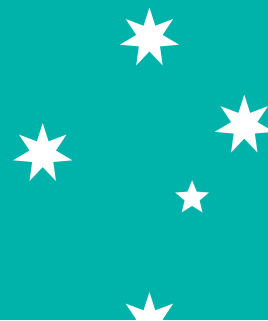
NOT IN ATTENDANCE

A 2018 Nuffield Scholar from the United States, **Jean Lonie** earned a Ph.D. in Agricultural and Extension Education at The Pennsylvania State University, where she also served as Director of Student Recruitment and Activities for the College of Agricultural Sciences. Her dissertation, *'Exploring the Public Value of Nuffield International Farming Scholars Program'*, investigated how Nuffield Scholars perceive their experience in the program in terms of contributing to public value and having significance beyond the individual participant.

Her professional background includes marketing and communications efforts for Farm Journal Media, the U.S. Holstein Association, the School District of Philadelphia, and American Mushroom Institute. In addition she was director of communications for the Pennsylvania Department of Agriculture. Active with the Nuffield program since 2010 when she helped coordinate the Contemporary Scholars Conference (CSC) hosted in the United States, Jean served as a delegate in 2012 and helped facilitate CSCs from 2013 through 2017. In addition, Jean is an alum of the Pennsylvania Rural Leadership Program.

In Mid-January 2020, Jean took on the newly established role of Director of Farmer Engagement, at US Farmers and Ranchers Alliance (USFRA).





INTERNATIONAL BRAZIL



Ingrid Caron

E:

Ingrid Caron, from Goiás in Brazil, receives a scholarship supported by TIAA-CREF Global Agriculture. Ingrid will research how production systems under challenging climate and environmental conditions, such as those of the Brazilian Cerrado, implement sustainable and more efficient models for cattle nutrition via forage plants (genetics, use of unconventional plants and alternative managements). This is as a result of her involvement in her family's cattle ranch.

Her professional work is divided into two operations: 1) Production of beef calves. At Fazenda da Grota, she works with the production of Nelore calves and crosses between other breeds for the fine meat market. It is a medium ranch, working with approximately 500 cows in the breeding season. She is responsible for breeding operations, nutritional management, purchases, payments and pasture fertilisation planning. 2) Certification Services. Her family operates two agricultural certification companies, focused on organic certification programs, international and national standards and her role is Technical and Quality Director.

Ingrid has a Postgraduate in Beef Cattle Production – Rezagro (dec/2020), and Agriculture Engineering (ESALQ/USP – 2015). Ingrid is also Commission Coordinator for the Organic Production State Commission (CPOrg/Goiás). She is also a member of Grupo FAZ – Sucessoras do Agro (Formosa/GO), a group constituted by women successors of family-owned agriculture businesses.

For her scholarship, she will travel to Texas, Oklahoma and Arizona in the United States of America as these regions have climate and environmental conditions close to the conditions of central Brazil. She will also visit Australia and New Zealand.

INTERNATIONAL BRAZIL



Thiago Macitelli

E:

Thiago Macitelli is a 2019 Nuffield Scholar and professional of the new large scale agriculture in Brazil. With over 18 years professional experience in Sales, Business and Product Development, Trade Marketing, Processes Optimization, Planning and Supply Chain in several industries Thiago nowadays dedicates himself on applying industrial concepts and knowledge on large scale farms. Thiago graduated as a chemical engineer in Brazil and acquired the a Masters of Science in three different European universities. He is challenging himself at Nuffield in order to acquire knowledge regarding bio stimulants, biological control and chemicals usage optimisation aiming to build up more sustainability for local farms. Thiago is also a dedicated husband to his first girlfriend who gave him the privilege to be father of two little princess and another baby on the way.



INTERNATIONAL CHILE



Antonio Bunster Zegers

E:

Antonio Bunster Zegers is an agronomist and winemaker in central Chile. Antonio manages a mixed farming operation with 30 hectares of sweet cherries and a grass-fed beef cattle herd (130 head/year on 90 hectares of pasture). The farm has a seven-person team to manage the farming and the operation's 220 total hectares. In addition, he started a small-scale winemaking project, sourcing grapes from centuries-old, dry farmed vines from traditional Chilean wine regions such as Maule and Curico Valleys. Antonio's first vintage was bottled in 2018 and total production is roughly 1,500 bottles per annum.

In central and south Chile, many rural households depend on grape growing for a living. Industry consolidation has led to larger and increasing competitiveness in the wine sector which has brought about challenges for small producers to make a living from their efforts. Antonio plans on exploring how impoverished communities can be bolstered through multi-sectorial approaches to support agriculture, winemaking, and tourism.

This scholarship is made possible by an investment from TIAA-CREF Global Agriculture and Exportaciones Meyer Limitada.

Antonio holds diplomas in organic agriculture and agribusiness management and a degree in agronomy from Pontificia Universidad Católica de Chile. He and his wife have a young daughter.

INTERNATIONAL JAPAN



Shota Morigami

E:

Shota Morigami is a first-generation farmer in the Kyoto region, and the first Nuffield International Scholar from Japan. Shoto runs two agricultural operations: Agri Shonoya, a 12-hectare farm growing green onions with a staff of 20, and Kyonegi Samurai, an agribusiness focused on selling produce.

For his Nuffield International research, Shota will explore marketing all over the world. His intention is to focus on Japanese restaurants overseas, investigating how Japanese agriculture and foods are promoted and received globally.

This inaugural Nuffield International scholarship in Japan is supported by Norinchukin Bank.

Shota is a graduate of Nara Agricultural University. He and his wife have three children.

AUSTRALIA



James Alexander

E:

James Alexander of Boorowa, New South Wales, receives a Nuffield Scholarship supported by the NSW Department of Primary Industries. He will research how mixed farming businesses can solve common land management issues, such as reduced ground cover and soil health. Having worked as an agronomist for several years, James is currently employed on a large scale, organic and biodynamic grazing property in southern NSW. Additionally, his family runs a nearby composite ram breeding stud and commercial prime lamb operation at Cootamundra.

“I believe Australia can be a leader in sustainable agriculture. In particular, my scholarship will seek to build on the philosophies of regenerative agriculture, and to identify practical solutions across a wide range of industry challenges,” James said. “My research aims to unearth potential ways that regenerative approaches could lead to greater landscape functionality, improved social wellbeing of farmers, and increased profitability of farm businesses. “Importantly, my research has potential to be applicable across the wide caner agricultural sector, and align with a growing interest to invest in initiatives that contribute to the sustainability of our soils, our farms, and our futures.”

James plans to visit the United Kingdom and the United States to attend regenerative agriculture industry events, as well as visit key farms in Argentina, Spain, France and Italy, which are practicing key principles of regenerative agriculture and building greater pasture diversity.



Jarrod Amery

E:

Jarrod Amery of Forbes in New South Wales, receives a Nuffield Scholarship supported by the Grains Research & Development Corporation (GRDC). He will research what it takes to build and maintain a successful farm business and achieve a sustainable Return on Assets Managed (ROAM).

As owner of Amery Ag, an innovative 2,300-hectare farming operation in Central West NSW, Jarrod produces wheat, canola and barley, and manages around 4,000 ewes as part of the business's annual livestock trading program. “We strive to make every hectare work; earning the right to expand our business. As a young farmer myself, and with a quarter of the agricultural workforce between 18 to 35, there is a need to equip our future farmers with the tools to grow their businesses and the industry as a whole,” Jarrod said.

“On my study program, I plan to visit leading farm businesses around the world, to understand the common threads of success, including how to achieve a sustainable work/life balance, pathways to expansion and diversification, as well as how to encourage new entrants into farming.” Travelling throughout major agricultural producing countries, including China and the United States, Jarrod plans to share his findings with peers, to help build a culture within Australian farming that promotes entrepreneurship and knowledge sharing.



Brooke Barkla

E:

Brooke Barkla from Toowoomba, Queensland, receives a Scholarship supported by ANZ Bank and Nuffield Australia Alumni. Her scholarship is called the Ian Macintosh Scholarship. She will research the socio-economic impacts of the Australian live export industry in existing and emerging markets.

Brooke is the Quality Assurance Manager of JJAA Indonesia, which forms part of the Consolidated Pastoral Company (CPC) portfolio. For the past three years, she has been instrumental in driving business productivity and building stronger relations with its Australian operations. As someone on the frontline of the live export industry, Brooke is proactive in sharing the company's high animal welfare standards, and has direct involvement with the local community through the business's various Corporate Social Responsibility initiatives.

"The sustainability of the livestock export industry is built on its social license to operate responsibly and transparently. We need to communicate the diverse benefits our industry can deliver while securely and safely supplying high quality protein to key markets," said Brooke. "My research will focus on how the Australian live export industry can continue to supply a high quality protein to consumers, while also facilitating the creation of new jobs, training, and the transfer of knowledge and skills in importing countries," Brooke said.

"The second component will examine the socio-economic impacts of a transition away from importing of live Australian cattle to higher volumes of boxed beef in mature markets across Asia." Brooke will visit several countries throughout Asia, as well as Brazil, India, Mexico and Middle East.



Billy Browning

E:

Billy Browning from Narromine in New South Wales, receives a Nuffield Scholarship with support from the Australian Department of Agriculture and the Murray-Darling Basin Authority. He will investigate the value adding of irrigation water and increased utilisation of low-flow water.

Having previously worked in the financial and agribusiness sector, Billy now operates a 3,500-hectare mixed cropping operation with his family, producing a combination of wheat, barley, canola and chickpeas, as well as cotton and other opportunity crops when water permits.

Faced with the growing issue around reduced water reliability and a drive for return on assets managed, Billy sees a real opportunity to investigate alternative irrigation options and multiple uses from a single water source. "Water is a highly topical issue within the agricultural sector at the moment. In particular, the cotton industry is facing a significant water reliability issue, which is driving all farmers to be more resourceful with what little water they have," Billy said.

"The aim of my research is to open up alternatives that enable farmers to best utilise the valuable resource of water, in the most sustainable and productive way. It will also look to investigate renewable solutions, such as solar pumps or battery storage for bore and river water." Billy will visit Brazil, Europe and the United States to see how farmers there are addressing similar issues, as well as research and consult with leading irrigated growers here in Australia.

AUSTRALIA [CONT.]



Bernie Byrnes

E:

Bernie Byrnes from Gunning, New South Wales, receives a Nuffield Scholarship from Westpac Agribusiness. He will investigate the current opportunities and risks associated with purchasing farmland, seeking to identify trends relating to agricultural land values and lease rates. A young owner-operator with plans to expand the farm business, Bernie currently manages a self-replacing merino flock of 1200 ewes, producing up to 400 crossbred lambs and 50 bales of superfine merino wool a year, on his property in NSW's Southern Tablelands. Despite recent adverse seasonal conditions, Bernie believes the value of Australian agricultural land continues to grow, and sees an unprecedented opportunity to examine this appreciation in farmland to bolster the decision-making process for primary producers.

"Purchasing land is often the biggest financial decision a farmer will make. While Australian farmland values continue to rise, often outstripping operational returns, farmers need to have access to better, more reliable market data to inform their purchasing decisions," Bernie said. "My global study program will assess different perspectives and trends on agricultural land values at a local, regional and international level, to help farmers consider the best allocation of their capital to purchase or lease land, as well as the risks and rewards.

Bernie will predominantly travel to North America's Midwest, which experiences some of the largest and most liquid farm sales globally, as well as Canada, which has a comparable operating environment to Australia.



Alexandra (Tess) Camm

E:

Alexandra (Tess) Camm from St Lawrence, Queensland, receives a Nuffield Scholarship supported by The Yulgilbar Foundation. Tess will investigate ways to increase the value of beef co-products, particularly their potential use in biodegradable packaging, opportunities in emerging markets for nutritional and pharmaceutical products, and alternatives to the rendering process.

A fifth-generation grazer, Tess runs the successful branded beef company 'Signature Beef', a role that oversees the coordination and production of livestock to ensure carcasses meet market requirements and customer expectations, as well as new product development and sales. Tess holds a Bachelor of Business Management, and previously worked on her family's grazing properties in Central Queensland. "Currently, co-products account for more than 60 per cent of the liveweight of cattle, yet on average attract only 11 per cent of total value. By developing resilient markets for beef co-products, we can improve the stability of grid prices for producers and retail beef prices for consumers, which creates sustainable value growth across the entire supply chain," Tess said. "My Nuffield Scholarship will explore alternative markets and opportunities for beef co-products, such as hides, bones, blood products and other rendered items, and look at how these products can transition from commodities, to bespoke high-value products that increase industry viability.

"With emerging markets for beef co-products like pharmaceuticals, nutritional supplements, food and beverages, and collagen-based edible food packaging, there is potential for beef to be more than just a 'centre of plate' item. By exploring new harvesting, processing and value-adding mechanisms, we can enable new and innovative product development, as well as enhance sustainability and maximise value of production." Tess will share her findings with stakeholders across the supply chain to explore where the costs of processing these products is viable for their respective markets. She will visit leading enterprises across Europe, United States of America, South America, China and South East Asia to inform her research.



Luke Cantrill

E:

Luke Cantrill from Nashdale in New South Wales. Luke Cantrill Receives a Nuffield Scholarship with support from Woolworths to research drivers of success in overseas horticulture and viticulture businesses, international production systems, export opportunities and the cold chain.

Based near Orange, Luke currently grows fresh, organic cherries across two orchards with over 8,000 cherry trees. Supplying produce to local markets and supermarkets. Luke is keen to evolve the exporting side of his business and the cherry industry as a whole.

“like many growers, we are challenged by high volumes and low demand in the domestic market. Using my Nuffield Scholarship, I want to bring back lessons from successful and profitable overseas enterprises and identify new market opportunities for our industry,” Luke said. “By exploring international cherry varieties and cold chain infrastructure, I hope to get a better understanding of where the market is heading and anticipate what might be coming to market in the short term.

“I also see emerging ‘second tier’ markets in China, in places like Sheyang, Xi’an and Quhan, as holding great potential for Australian growers, and want to evaluate access pathways and opportunities in these markets.”

Luke will travel throughout Canada, the United States, Chile, China and New Zealand on his Nuffield research, gathering insights into emerging trends, markets and technologies important to the growth of the Australian horticulture industry.



Jason Cotter

E:

Jason Cotter of Tuerong, Victoria, receives a Nuffield Scholarship with support from the William Buckland Foundation to research ways to restore flavour, nutrition and sustainability as key drivers in grain production systems.

As the owner and operator of Tuerong Farm, a 60-hectare mixed farming enterprise on the Mornington Peninsula, Jason grows and mills heritage, ancient and modern grains for direct sale and distribution to leading restaurants, bakeries and home-bakers.

“I am passionate about cultivars and practices that prioritise flavour, nutrition and sustainability over convenience. Internationally, there is a burgeoning movement which has provenance, food sovereignty, sustainability and flavour at its core, and I believe we have an opportunity to further this at home,” Jason said.

“My research will explore methods of achieving quality grain in low input and organic farming systems, propagation and processing techniques that prioritise flavour, establishment of population, and winter wheats with greater climate resilience, and restoration of direct farmer, miller, baker and breeder relationships.”

Travelling throughout Europe, the United States, Mexico, Canada and Turkey, Jason aims to use his research to establish common threads between his peri-urban business and broadacre cropping operations, unlocking the benefits of genetic diversity and bolstered consumer trust.

AUSTRALIA [CONT.]



Johnny Gardner

E:

Johnny Gardner from Cavendish, Victoria, receives a Nuffield Scholarship with support from the William Buckland Foundation to research sheep and goat animal management, price incentives, market access and environmental changes across the supply chain.

Managing his family's 1720-hectare farm in south west Victoria, Johnny runs a 12,000 head self-replacing Coopworth composite ewe flock. The business primarily produces lamb, turning off up to 12,000 lambs each year and selling around 240 bales of 28-micron wool. With a large proportion of Australian sheep and goat meat exported overseas, Johnny will use his Nuffield scholarship to research ways to future-proof these markets through a more in-depth understanding of our consumers and environmental constraints on the industry. "I want to explore what drives our largest consumers, including the impacts of animal management on eating quality, industry efforts to reduce emissions, aligning price incentives with consumer demands, and ensuring a diversity of market access for Australian producers," Johnny said.

"It is an exciting time in the red meat sector, with major focus and investment on everything from objective carcass measurement technology to environmental sustainability, through initiatives like the red meat sector's Carbon Neutral 2030 target. "I believe there is an immense opportunity to learn from other red meat producing countries and from sectors beyond agriculture, and contribute to a more robust measurement and benchmarking process for industry to strengthen its quality and sustainability credentials." Travelling throughout North and South America, China, the Middle East and Europe, Johnny will have the opportunity to observe key export market trends firsthand.



Andrew Ham

E:

Andrew Ham of Windermere, Victoria, supported by the William Buckland Foundation, receives a 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 intends to use his Nuffield scholarship to explore alternative energy sources and the benefits their use can unlock for agricultural enterprises. "Facing some of the highest energy and labour costs globally, in addition to increasing consumer pressure to farm in a socially and environmentally sympathetic way, we need to reduce our reliance on non-renewable resources," Andrew said. "By using excess waste and other secondary resources, we have an opportunity to decrease our reliance on non-renewable energy, which will in turn reduce our carbon footprint, bring running costs down and add economic, social and environmental value to our farming businesses."



Albertus Hanekom

E:

Albertus Hanekom from Kununurra, Western Australia receives a Nuffield Scholarship with support from the Fisheries Research & Development Corporation (FRDC) to research pathways for the aquaculture and Barramundi industries to grow more seafood and better manage stock levels. A nursery manager for Marine Produce Australia's Cone Bay Ocean Barramundi in the Kimberley, Albertus is involved in the production of 3,000 tonnes of prime Barramundi each year, supplied to Coles and other Australian markets. With the Australian Atlantic Salmon industry more effectively using on-land nurseries to grow stock before transferring to sea cages, Albertus will use his research to explore the viability of replicating some of their practices in the Barramundi industry.

"Seed stock security is vital for every aquaculture industry, and a better understanding of the methods of on-land nursery rearing of Barramundi fingerlings, will allow us to better control stock, be able to time nursery stock transfers and monitor performance more effectively," Albertus said. "At present, Barramundi farmers avoid producing fingerlings at certain times due to poor performance in colder months, which creates a gap in production for large volume producers. If we can more effectively use on-land nurseries as seed banks, we will unlock better surety of supply and grow more fish in a shorter time frame." Exploring on-farm nursery systems in Tasmanian and South American Atlantic Salmon farms, and Barramundi farms in the Middle East, Albertus will observe methods of growing larger stock on-land and gather insights on best management practices and associated technology uses.



Mitchell Henderson

E:

Mitchell Henderson from Berrillock in Victoria, receives a Nuffield Scholarship with support from the Grains Research & Development Corporation (GRDC). Mitchell will use his scholarship to research alternative fertiliser and weed control measures for grain producers.

Managing his family's 8,000-hectare broadacre cropping business, Mitchell produces wheat, barley, lentils, field peas and oaten hay, while another part of the family business supplies 1.5 million free range birds to Hazeldenes Chicken.

Recognising the double benefits his business receives by using the phosphorus-rich chicken manure as fertiliser and feeding chickens their own grain, eliminating freight costs, Mitchell believes there is an opportunity for Australian growers to get more for their grain.

"The current cost of grain production in Australia is US\$169 per tonne, while in Russia and Ukraine it is US\$120 per tonne. As an industry, we need to find ways to raise the value of our produce and I want to investigate diversification and integration as pathways to achieving this," Mitchell said.

"If we can use our grain closer to where it is produced, for example by on site milling for chicken or other stock feed, then we can limit freight costs and obtain natural fertiliser benefits from manure, as well as obviously minimising business risk through enterprise diversification." Mitchell will visit the United States, Canada and Brazil to explore their large-scale cropping and feed mill industries, as well as Europe and Ireland to understand the role strict environmental regulation plays in food production systems.

AUSTRALIA [CONT.]



Tom Hooke

E:

Tom Hooke from Wanganella, New South Wales, receives a Nuffield Scholarship with support from Australian Wool Innovation (AWI). Tom will use his Scholarship to research innovative regenerative agriculture principles to apply to Australian pastoral sheep enterprises.

Tom, together with his brother Marcus, run the family's 25,000-hectare property comprising 9,000 commercial Merino ewes, 1,000 stud Merino ewes and 200 Angus cows across predominantly open pastoral country in the western Riverina region. As someone passionate about a holistic approach to farming, Tom is keen to further extend the principles of rotational grazing to sheep enterprises in pastoral zones, which largely rely on very low input systems and minimal chemical intervention.

"Improved grazing management practices present a major opportunity for sheep producers in these pastoral zones, and my research seeks to unearth leading examples from around the world that can further strengthen our industry's sustainability efforts," Tom said.

"With the recent drought highlighting the difference in production outcomes from land that is well managed, there has never been a more important time for sheep producers to explore sustainable methods to manage risks in the midst of climatic variability."

Tom will visit Africa, as well as North and South America, to identify long-term production benefits of rotational grazing in the rangelands and regenerative agriculture, with an aim to pass this knowledge on to peers across the sheep production industry and the wider agricultural sector.



Harry Kelly

E:

Harry Kelly from Caramut, Victoria, receives a Nuffield Scholarship with support from Rabobank Australia. He will research ways for the Australian agriculture industry to multiply profitable business models, retain the right people and embrace change to become a more attractive investment. Harry runs a diversified Angus beef, prime lamb and merino and cross-bred wool business across his 1200 hectare farm in Victoria's south west. Since his full time involvement in 2014, on-farm expansion projects have seen the business grow to turn off Angus weaners into both the feeder and Asian live export markets, prime lambs, and broadacre wheat, canola and beans.

Passionate about how primary producers can embrace change over the coming generation, Harry intends to use his Nuffield Scholarship to research ways to secure a stronger, more sustainable future for Australian agriculture. "I see key challenges and opportunities for the sector over the next generation, as attracting good financial and human capital becomes more competitive," he said.

"If we are unable to keep pace with other industries and compete for investment, then the industry is at risk of stagnation. I want to unearth pathways to growth for farming businesses by positively embracing change and capitalising on the opportunities it can bring through diversification of the primary production portfolio."

Exploring and comparing different investment and funding models for agricultural enterprises, from the state-owned to free market enterprise, Harry will travel throughout the United States, Europe, and Asia.



AUSTRALIA [CONT.]



Sarah Keough

E:

Sarah Keough from Strathalbyn, South Australia, receives a Nuffield Scholarship supported by Wine Australia. She will use her scholarship to investigate new and emerging irrigation methods to reduce vineyard crop losses and sustain fruit quality during extreme heat events.

As a viticulturist at Bleasdale Vineyards and member of the Langhorne Creek Grape and Wine Association, Sarah works closely with the region's growers, as well as those in the Adelaide Hills and McLaren Vale. She believes her Nuffield research will be a valuable extension to existing work in the sector on reducing the impact of heat in vineyards.

"A gradual increase in the number of days reaching 40 degrees has prompted local growers to look at new approaches, such as mulching and alternative irrigation schemes, to reduce the soil temperature and enable vines to endure prolonged heat stress," said Sarah.

"While growers have seen great success by using undervine misters, low volume overhead sprinklers and misting fans, there is a need to look at more cost-effective and water-efficient alternatives. In particular, my research will look to unearth new technologies to better manage and improve irrigation scheduling."

Through her Nuffield Scholarship, Sarah will meet with water irrigation leaders in Israel, investigate innovative irrigation methods being used in semi-arid climates like Argentina, and visit America's Napa Valley, which is increasingly experiencing higher than average temperatures.



Nicholas Krebs

E:

Nicholas Krebs from Moura, Queensland, receives a Nuffield Scholarship supported by Meat & Livestock Australia (MLA). He will investigate new ways to attract and retain more people into beef enterprises and help position the industry as a long-term career choice.

Nicholas is currently the Ambalindum Aggregation Manager for Hewitt Cattle Australia, managing an area of approximately 1.8 million acres with a carrying capacity of 22,000 head of cattle. The aggregation is located about 130km east of Alice Springs in the Northern Territory.

"Farm businesses know the importance of finding and retaining the right staff. To achieve this, we need to promote the diversity of roles within our industry, as well as adopt new technologies and approaches to foster a vibrant and professional working culture."

"While other countries have held onto their traditional ways, Australia needs to be on the front foot with innovation if it's to successfully attract young people into agriculture. Whether it's a role in science, sales or out in the field, the opportunities for a long-term career in agriculture are endless."

Throughout his study program, Nicholas plans to travel to North, Central and South America, as well as European countries that are utilising a range of methods and technologies to attract, retain and secure their agricultural workforce.

AUSTRALIA [CONT.]



Tammy Kruckow

E:

Tammy Kruckow from Katherine in the Northern Territory, Tammy Kruckow receives the Northern Pastoral Scholarship, supported collectively by the Australian Agricultural Company, Consolidated Pastoral Company, Elders and S. Kidman & Co. Tammy will use her scholarship to research how the northern pastoral industry can successfully retain and develop its workforce.

As part of the Consolidated Pastoral Company (CPC) portfolio, Tammy and her husband currently manage 'Manbulloo' station and several agistment properties in northern Australia. A large-scale breeding, backgrounding and finishing enterprise, it comprises 16 staff that oversee the export of 25,000 head of cattle.

Tammy previously coordinated CPC's recruitment and training programs across all of its sixteen properties located in the NT, QLD and WA. During that time, she observed the narrow pipeline of talent coming through and the need to have adequate succession plans in place.

"Australia's northern beef industry faces major challenges around attracting and retaining the right staff, especially at the middle management level. With younger people looking elsewhere, on top of an ageing workforce, we need to promote the industry as a long-term career choice," Tammy said.

"My study program is focussed on identifying successful retention and development strategies from around the world, with a goal to apply those learnings to an Australian context and help build a more skilled and sustainable workforce for northern beef enterprises." Tammy will examine HR strategies from leading farm businesses in China, New Zealand, North America and South America, as well as developing countries such as Indonesia, to understand the importance of culture to drive productivity.



Dustin Pascoe

E:

Dustin Pascoe from Raywood in Victoria, receives a Nuffield Scholarship with support from the Grains Research & Development Corporation (GRDC) to research the benefits of grazing crops to fill the winter feed gap in a changing climate.

Running a 1,450 self-replacing Merino ewe flock and growing cereals, hay and oilseeds across his 1,578-hectare farm, Dustin has been grazing roughly half of his cereal crops to both fill the winter feed shortage and split his exposure to frost risk.

"Realising that the changing climate is impacting the reliability and amount of winter feed available, I want to further research the benefits and disadvantages of grazing crops," Dustin said.

"Grazing crops can allow more stock to be carried through winter, while freeing up grazing pressure on pasture paddocks and staggering exposure to frost risk by delaying growth stages of the grazed crops."

Having conducted trials for the past four years on his own farm, Dustin has observed improved animal health and better pasture paddock performance, as well as reduced labour input through avoidance of supplementary feeding.

He aims to use his Nuffield Scholarship to gather data from around the world and further quantify the pros and cons of grazing crops, and the impact it can have to a farm business' bottom line.



AUSTRALIA [CONT.]



Paula-Lee Pownall

E:

Paula-Lee Pownall from West Coolup, Western Australia, receives a Nuffield Scholarship to investigate how to scale an insect production facility using the latest technology and research. She will also study the policies, procedures and supply chains of the emerging insect protein industry.

Paula-Lee is the founder of Western Australia's first edible insect farm, Grubs Up. Established in 2016, the business produces, processes and manufactures high-protein insects, most notably domestic house crickets and mealworms, for human food and animal supplements.

"Our goal is to become commercially viable and be as sustainable as possible. For instance, our business currently utilises vegetable waste to feed the insects, recycled egg cartons to house the crickets, and turns all manure and exoskeletons into a natural fertiliser product," Paula-Lee said.

"My research aims to identify the necessary steps to scale this type of insect production facility while continuing to produce a high-quality product for human and animal consumption. To achieve this, I will look at existing procedures, policies and incentives, and explore what other industry leaders are doing well."

Through her Nuffield Scholarship, Paula-Lee plans to visit leading commercial insect production facilities in Canada, Germany and Thailand, as well as speak with human food and animal feed regulators in the United Kingdom.



Richard Quigley

E:

Richard Quigley from Trangie, New South Wales, receives a Nuffield Scholarship with support from the Cotton Research & Development Corporation and Cotton Australia. Richard will investigate cropping systems and methods to retain more crop residue in zero-tillage farming systems.

With his family, Richard manages their mixed farming enterprise consisting of sprinkler and furrow irrigated crops (predominantly cotton), dryland wheat, barley, chickpeas, canola, and opportunity dryland cotton, as well as a grazing operation focussed on breeding and finishing sheep and cattle.

With the wide adoption of zero-tillage farming, Richard will look at enhancing the method by retaining more crop residue above ground. He believes this will increase infiltration rates and the ability to store moisture, as well as limit erosion and the rate of water evaporation. "As farmers in marginal cropping areas, we usually find moisture to be our most limiting factor. If we can utilise techniques that help us preserve more moisture, it could produce a range of benefits, from increased productivity, soil health, yields and reduced weed pressures," said Richard.

"The outcomes of the research could provide increased planting opportunities within, and outside, traditional planting windows, opening up potential to grow different crop types in marginal environments, including increasing the viability of rain-grown and semi-irrigated cotton production." Richard plans to visit well-established cotton and grain production areas like Brazil, United States Canada, and England, where growers are using a range of methods and technologies that may be applicable in Australia.

AUSTRALIA [CONT.]



Andrew Todd

E:

Andrew Todd from Dowerin in Western Australia, Andrew Todd receives a 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 will use 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.

"Farms are becoming larger, and with that comes the reality that many farmers need to manage multiple enterprises, across multiple locations with multiple team members. For farm businesses at this point of growth, this can be a daunting prospect if they lack the systems and skills to effectively manage a larger enterprise," Andrew said. "I'm keen to get a better understanding of what small, owner-operator family businesses can learn from larger, multi-faceted enterprises, and turn what is, at times, perceived as a challenge into an opportunity. "Resilience of farm businesses is critical, and I believe there are lessons to be learned from larger, complex farming enterprises across a range of factors, from profit and risk management to professional development and staff training."

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



Catherine Velisha

E:

Catherine Velisha from Werribee, Victoria, receives a Nuffield Scholarship with support from Hort Innovation to undertake research into how horticultural family businesses can build and harness the skills they need to be competitive in the marketplace. Catherine recently took ownership of her family's 153-hectare integrated horticulture business, comprising three properties at Tatura, Caldermeade and Werribee South. Across these farms, she grows, supplies and markets cauliflower, broccoli, zucchini, spring onions, kale and a variety of herbs into both wholesale markets and supermarkets.

Recognising the challenges faced by family farms in the horticultural sector, Catherine's study will focus on the opportunities and strengths unique to the family farm business model, and how to better leverage these to obtain and retain a competitive advantage. "With the majority of Australian farming businesses being family owned and operated, it's paramount these businesses can be sustainable and grow into the future," Catherine said.

"I'm keen to identify and evaluate the external factors influencing the performance of family horticulture businesses, and ultimately develop a 'tool box' to help family businesses stay competitive in our industry."

Travelling to the United Kingdom, United States, Europe and China, Catherine intends to explore the structures and strategies that enable family businesses to thrive in these advanced and competitive markets and bring those lessons home.



CANADA



Amy Cronin

E:

A passionate leader, advocate and mother of six, **Amy Cronin** has already created waves within the agricultural landscape. She and her husband, Mike, farm in Ontario, Iowa, and Missouri as hog and cash crop producers. Amy works in many capacities, being active in agriculture and food at the local, provincial and national levels. Amy plans to take a comprehensive look at the risk management strategies implemented by successful farm businesses, agricultural industries and governments around the world.



Andrew Rosychuk

E:

A city slicker turned visionary farmer, **Andrew Rosychuk** is the owner of Rosy Farms, a haskap orchard in the prairies. After graduating from Olds College with a Diploma in Production Horticulture, he became unstoppable in achieving his goals. He founded the Haskap Alberta Association and co-founded North 49 Fruit Corporation. His topic of study will focus on the value in developing on-farm, medium scale processing units giving the primary producer an advantage in capitalising a value added ingredient or product.



Jodi Souter

E:

An accomplished and motivated scientist, **Jodi Souter** is an independent plant breeder who believes that the future opportunities for Canada's crop sector is limitless. Jodi plans to learn more about the progress and limitations surrounding crop development in varying political environments. She will gain insight into opportunities enabled by the Plant Breeders Rights Act and hopes to promote innovations in the development of cutting-edge varieties to enable farmers to be more competitive in the global market.

CANADA [CONT.]



Dawn Trautman

E:

A futurist in technology, **Dawn Trautman** is a manager of Smart Agriculture and Food Innovation with Alberta Innovates. As an agricultural economist with a BSc in Biological Sciences and a MSc in Agricultural and Resource Economics, Dawn plans to study the barriers for Smart Agriculture adoption for producers while also expanding on opportunities for technology companies to develop and integrate made-in-Canada solutions for sustainable production.

FRANCE



Bertille Fages

E:

Bertille Fages was born in Aubrac, in the South of France, a place of strong identity and long pastoral traditions. She has always been passionate about food and agriculture, and how farmers interact with their land. After graduating in political sciences and environmental policies, Bertille has been working on farm policies for five years. After a first experience in micro-organisms soil fertilisation, she joined the French Young Farmers Union and is now employed at the FADEAR, an association representing small farmers with a strong social and environmental dimension. On the basis of her experience in France, she will study how farmers are represented and organised in different models of liberal economies at various stage of country development. She will aim at identifying how the structure of farmer representation contributes to shaping national agricultural policies, and how the different issues at stake (economic development, social justice, environment protection) are taken into account in the national organisation.



IRELAND



Robbie Byrne

E:

Robbie Byrne from Louth in Ireland is married to Annmarie and they have four young children, James, Áine, Conor & Harry and sheep, tillage and cover crops are the main enterprises on the family farm in Irishtown.

After qualifying with a M.Agr.Sc in Soil & Crop Nutrition from UCD, he worked as an agronomist for nine years before setting up his own company 'Precision Nutrition'. It provides a nutrition and biological farming service to merchant advisers and farmers.

His topic is: 'Biological farming Systems' – What are they and how can they help Irish farmers farm sustainably and profitably?

He feels the adoption of biological farming systems can help Irish tillage and livestock farmers work better within current and future EU legislation and make themselves more resilient to extreme weather events while also providing more sustainable cleaner, greener farming products that will appeal to global consumer trends.

Robbie will study some of the best practices currently in use around the world with farmers and research organisations. For his research he intends to visit United States of America, Switzerland, UK and New Zealand.



Kate Dempsey

E:

Kate Dempsey from Arklow in Co. Wicklow originally studied law, but her family's fishing history led her to develop a strong interest in aquaculture. Her research found that the majority of naturally occurring mussel beds have been fished out and destroyed, resulting in the Irish mussel industry being severely constrained in terms of potential growth and being reliant on importing mussel seed from other countries. Therefore, in 2010, Kate applied for an aquaculture licence for her first start-up company – Irish Mussel Seed Company (IMSC).

Kate broke new ground when, in 2019, her company became the first fully licensed offshore mussel seed provider on the east coast; thereby creating a new license type for the Department of Agriculture, Food and the Marine. IMSC will cultivate mussel seed from the Irish Sea utilising the most sustainable method of aquaculture available in the world. IMSC is working towards an overall zero carbon footprint farm. Kate's innovative approach has gained her widespread recognition within the industry and she has been awarded several entrepreneurial accolades.

Kate's studies in aquaculture culminated in her obtaining a H. Dip. in Business in Aquabusiness in 2018. Since then, she founded Aqualicense to enable increased seafood production globally through aquaculture by integrating deep tech with industry expertise to deliver Smart aquaculture licence applications and associated reports.

Kate will utilise her Nuffield Scholarship to study the synergy potential for agriculture and aquaculture so that both farming industries may be able to increase production while balancing overall national carbon output.

IRELAND [CONT.]



Gareth Lamberton

E:

Gareth Lamberton from the shores of Lough Swilly in Co. Donegal in Ireland, grew up on his family-run dairy, beef and sheep farm. He is married to Eleanor and living in a village nearby the home farm.

He works full time as a dairy farmer, alongside his father, brothers and uncle. After graduating with a B.Sc. in Agricultural Technology from Queen's University Belfast and CAFRE Greenmount in 2013, he embarked on a six-month trip to New Zealand. Here, he enjoyed working on several dairy farms and one beef and sheep farm. This experience opened his eyes to the opportunities a thriving agricultural industry can provide to individuals, families, businesses and the wider community.

About the time he returned home from New Zealand, he completed the purchase of another block of land. Thanks to this, and the subsequent lease of land nearby, he was able to increase his dairy herd numbers and has plans in place to establish a second dairy unit. He is an active member of the local Inishowen Dairy Discussion Group and his chosen study topic of "The impact of on-farm decisions in our society" was influenced greatly by his time in New Zealand. During this, he was able to understand firsthand how changes, such as the huge conversion of land into dairying, and the further extensification of beef and sheep farming had on rural businesses and communities.

He hopes to travel to New Zealand and Kenya as well as a number of other countries in his travels.



Linda O'Neill

E:

Linda O'Neill from Dungarvan in Co. Waterford grew up in Castletownbere in West Cork on a small dairy farm. Following her leaving Cert she went to Clonakilty Agricultural College to complete a Green Cert, she completed four years in college receiving a Diploma in Dairying and Certificate in Farm Business Management giving her a level seven qualification. She has done numerous short courses since in business and computer skills.

Following this Linda spent two years in New Zealand. This was a huge eye opener into scale, business growth and people management. She came home in 2006 and was lucky enough to land a good opportunity as Farm Manager to convert a high input farm to grass based spring production, which was at Mt. Melleray Abbey in Cappoquin Co. Waterford. After six years and quota constraints. Linda felt she had the farm taken to the targets that were set out at the beginning. Following this she spent seven years working for LIC Ireland initially as a breeding advisor, her next role was in farm consultancy and her final two years as Sales Manager for Ireland. Linda moved in December 2018 to grow her own business in Dairy Farming. She is now in a 50/50 lease /partnership with Pat Ryan (Captal Farms) in Old Parish, Dungarvan, Co. Waterford currently milking 180 cows on an 80ha block. They began producing milk in February 2017 and are growing this to 200 cows.

Linda is currently Operations Manager in Cantwells Court Farm in Kilkenny with 500 cows, she also works closely with Captal Farms in supervision of the Dairy units. She is a member of the Shared Vision Discussion Group and became Vice Chair in 2019. Linda is also a member of the newly formed Demeter Discussion Group. She plans to use her relevant previous experience and existing farm lease as a base to explore as she is now in year three of that business start-up. Linda will travel to South America, Asia, European countries and Canada as part of her Nuffield Scholarship.



IRELAND [CONT.]



Bruce Thompson

E:

Bruce Thompson from Portlaoise in Co. Laois grew up on a mixed sheep, dairy and beef farm. Now married to Laura they live on the side of the Slieve Blooms with their two young children Cooper and Keelin.

After qualifying with a Diploma in Automobile Engineering in 2003, he went on to complete a Teagasc Farm Management Course to return home to farm. Together with his father, Ian, Bruce has concentrated their farm solely on dairying, operating an expanding grass-based Spring calving herd. Off farm, Bruce is the secretary of a farmer purchasing group, a member of a Teagasc discussion group and is the Chairperson of his area Glanbia Advisory Committee.

Bruce is an advocate of the Irish grass-based production system. He maintains that animal health is at the core of successful animal farming and one aspect that he is measuring is parasite burdens. His topic “Can dung beetles take the field on anthelmintic resistance while embracing biodiversity?” encapsulates increasing concerns amongst farmers, veterinarians, industry and ecologists. He promotes measured science which he intends to approach his topic with.

Bruce will travel to Australia, Tasmania and New Zealand where state funded programs and start-up companies of beetle introduction are used to battle flies, parasites and clean pastures. He also intends to travel to the UK to visit entomologists.

NETHERLANDS



Judith de Vor

E:

Judith de Vor from The Netherlands has, together with her husband, a farm with dairy cows. Presently, there are 120 dairy cows, 35 young cows and about 40 hectares grassland. Judith is responsible for most of the administrative and financial business of the dairy farm.

After her Bachelor Degree Economics and Master’s degree Public Administration, Judith worked as a strategic political advisor in the public sector. Today she works as a teacher at a university, where she teaches Public administration for professionals. Judith also started in 2010 as a member of the city council, since 2018 she is the leader of local democratic party.

Judith has always been surprised by public and political opinion when it comes to agricultural entrepreneurship and living and working on the farm. Judith de Vor: “I have been living and working on a farm for over eight years now, but that feeling has not disappeared. On the one hand there is a lot of ignorance about what is happening on a farm, on the other hand there is little trust in each other. The past period has also shown that it is more necessary than ever to tell one’s own story and to find each other when it comes to social tasks”.

Through the Nuffield scholarship, Judith would like to investigate how connection can be established and ultimately mutual trust can arise.

NETHERLANDS [CONT.]



Frank Lenssinck

E:

Creative, passionate and wilful are a few terms that describe **Frank Lenssinck**. He thinks it is important to delve into the experiences of others, in order to understand the behaviour and choices of people and to make processes more logical. As innovation manager/director of the Veenweiden Innovation Centre, he is involved in initiating system innovations to give the peat meadows of the western region of The Netherlands a new impulse. Innovations in the field of other land use/new revenue models, current land use with adapted water management and land improvement of peat meadows.

Frank studied at the Agricultural College in Dronten and then at the Wageningen Agricultural University with specialisations in the area of animal nutrition, agronomy and business economics. He then gained half a year of international work experience as a business manager at a large-scale dairy farm in Texas (United States of America). Thereafter he started to work as a cattle feed specialist and sales manager at a regionally operating compound feed company. As a product manager at the Business Laboratory for Soil and Crop Research (BLGG), he developed a great deal of expertise in the field of soil and crop quality. He then accepted a position at Wageningen Livestock research. There he was involved in various projects related to soil, crop and dairy cattle, in the role of researcher, communication specialist and expert knowledge transfer.

Recently Frank has been active as a business manager of research dairy farm Zegveld. Here he plays a role in farm management as well as in innovations, research and knowledge transfer of soil life in peat soils, greenhouse gas emissions, subsidence, grassland management and grazing of dairy cattle on peat soils in the western region of The Netherlands. In his role at the Veenweiden Innovation Centre, Frank has developed into one of the key players in the development of knowledge on peat meadows, water infiltration and the implementation of system innovations in practice. To broaden this knowledge, he is glad to participate in the Nuffield program to gain new inspiration about other options for sustainable exploitation of peat meadows and to further expand his network of peat meadow entrepreneurs and specialists.



Frank Mandersloot

E:

Frank Mandersloot lives in Renswoude together with his wife Jacolina and his three brothers. Frank manages three different companies. Two of these companies specialise as logistics service providers in both the poultry sector (Mantrans BV) and in the transport sector (PJ Hoogendoorn Transport). The third company is a veal farm consisting of 1,650 calves, which has been in the family for three generations.

After high school Frank went straight to work in the poultry sector and became responsible for the family veal farm. He gained a lot of practical experience and acquired industry contacts and quickly developed himself in these industries. Currently, he is the CEO at Mantrans BV and responsible for the veal farm.

Frank is also active in several networks: he worked for Vallei Boert Bewust (an agricultural business label that actively connects with surrounding farms), he is an active member of the Round Table Scherpenzeel (international network where friendship, self-development and business development are core values), he is a member of the Council of the Rabobank Gelderse Vallei (local bank), and a member of the editorial board of the Kalverhouder (Magazine of the Dutch calf sector).

Frank wants to use his scholarship to further develop himself, gain a lot of knowledge and to investigate his research. In his research he focuses on the development of agricultural businesses, global food production & the logistical process of animal transport.



NETHERLANDS [CONT.]



Nick van den Pol

E:

Nick van den Pol lives in Ruinerwold with his parents and operates a family dairy farm in the north of the Netherlands. They milk 130 cows and cultivate 90 hectares of land. Since January 2018, they participate in a program focusing on creating a more sustainable dairy industry. The program is a joint effort by A-ware, their milk processing company and Albert Hein, a Dutch supermarket.

Nick combines his work at the dairy farm with working as a ruminant specialist in animal nutrition for an international feed company. He holds a BSc. in Livestock farming and a MSc. in Animal Sciences from Wageningen University.

Nick is interested in how farmers will feed their cows in the future. In the last decade, the dairy sector has achieved an enormous good performance to improve the utilisation of nutrients in the diets and efficiency of which ruminants converts feed into animal protein. However, lately there is more attention for the use of self-grown roughage and other protein sources. One of the aims of circular agriculture is to lower the usage of imported (protein-rich) feed ingredients for animal production that also can be consumed by humans directly.

Nick is interested in how this development could affect the composition of feed for dairy cows in the future and how this could affect the utilisation of nutrients and performance in the health of dairy cows.

NEW ZEALAND



Tracy Brown

E:

Tracy Brown from Matamata in Waikato, originally from Northland. She lives near Matamata on their 700 cow, 310ha farm 'Tiroroa' which won the Waikato Balance Farm Environment 'Supreme Award and the Fonterra Farm Source 'Responsible Dairying' Award. Tracy also won the Sustainable Business Network 'Sustainability Superstar' Award in 2018.

Tracy has been leading environmental change for dairy through her roles as Chair of the DairyNZ Dairy Environment Leaders Programme, Chair of Ballance Farm Environment Awards Alumni, and as farmer representative on the Dairy Environment Leadership Group (DELG) which oversees the Water Accord. She has also recently been appointed by Cabinet to the Essential Freshwater Independent Advisory Panel.

Tracey has been involved with setting the future direction for dairy on the 'Dairy Tomorrow' Working Group. She worked as an Agricultural Economist in the sheep and beef industry prior to entering dairying. She is both a 'Kellogg Rural Leadership Programme' and 'Escalator' Alumni and her strengths are in strategy, collaboration and connectedness. Tracy has had a number of other community, regional and national leadership and governance roles including Maori/Kiwi governance and Board of Trustees roles in between being married to Wynn and bringing up four children.

NEW ZEALAND [CONT.]



Shannon Harnett

E:

Shannon Harnett from Opotiki, in BoP has experience in dairy, sheep, beef and horticulture. Shannon held senior management and accounting roles before becoming director at Rural Accountants. She has been involved in several horticultural start-up businesses dealing with PVR varieties.

Shannon is a Chartered Accountant and director and co-owner of Rural Accountants, a progressive accounting firm in Whakatane. She is a Chartered Member of the Institute of Directors and holds directorships in several agricultural and horticultural businesses. Growing up on a sheep and beef farm in Hawkes Bay, Shannon's farming background guided her accounting career by starting straight out of school at a farm accountancy practice.

She graduated from Massey University with a BBS, majoring in Accounting and Management, and a Post Graduate Diploma in Agri Commerce. An advocate of the New Zealand primary industry, Shannon has gained valuable industry knowledge and believes New Zealand has an exciting opportunity to grown high value, consumer driven produce. Shannon Harnett is passionate about New Zealand's primary sector and plans to research the value Plant Variety Rights (PVRs) could contribute to this sector.



Ben McLauchlan

E:

Ben McLauchlan from Blenheim, in Marlborough owns and runs a 102-hectare vineyard growing Sauvignon Blanc, Pinot Noir, Pinot Gris and Chardonnay grapes, in partnership with premium wine companies. Alongside the vineyard there is also a beef fattening unit, a legacy of the areas farming origins.

Ben's grandfather moved to Rapaura in 1935 and purchased 'Balvonie' which forms part of the area Ben farms today – with changes in land use – from sheep and beef to grapes. This legacy is important to Ben and he is passionate about ensuring the property is passed to future generations in good, preferably better condition. Ben grew up on a sheep and beef farm in Marlborough and witnessed first-hand the wine industry expanding across Marlborough, which in turn led to an interest in viticulture and wine. Ben studied commerce, viticulture and oenology at university followed by a career in sales and marketing in the alcohol industry in New Zealand and the UK.

Ben moved back to Marlborough in 2014 with his family to take up a role in banking with BNZ as a Commercial partner and at the same time becoming involved with the management of the family business started by his grandfather. He subsequently moved to the vineyard business full time and now owns and runs the operation.

Ben is Deputy Chair of Marlborough Grape Producers Co-operative and Chair of Rapaura School Board of Trustees. Ben is focused on guardianship of his family vineyard for future generations by enhancing sustainability through the use of technology found in global primary industries.



NEW ZEALAND [CONT.]



Edward Pinckney

E:

Edward Pinckney from Te Anau, in Southland has been involved in his family’s business since 2006, managing Morley Creek near Ohai. Edward grew this business from 6,000 to 15,000 stock units through leasing, family succession and further acquisitions before selling Morley Creek and purchasing Jericho Station and Waipango Dairy Ltd. Edward is a director and owner of Jericho Station/Edward Pinckney Ltd a 12,500 SU sheep, beef and grazing property where he lives with wife Jaimee.

The acquisition of Jericho station was a public and arduous purchase process that required a reasonable amount of campaigning publicly through politicians and the overseas investment office. He is also director and owner of Waipango Dairy Ltd a 700-cow dairy farm situated near Riverton in Southland.

Edward has held positions locally at Federated Farmers and is a member of local catchment environmental groups and a member of a progressive farm discussion group. Edward graduated from Telford, Walford College (UK) and Lincoln University. He furthered his education in business and leadership through completing the Kellogg Rural Leadership Programme and Rabobank Executive Development Programme.

Edward has a passion to see people enter the agricultural industry and develop their skills and plans to further research opportunities in this topic as part of his scholarship.



Phil Weir

E:

Phil Weir from Te Pahu, in Waikato, 30 minutes from Hamilton. Phil is active in farming his co-owned 240 ha drystock property with his wife Megan and three children Henry (5), Freya (3) and Margot (1). Phil also works as an agribusiness consultant with AgFirst (Waikato) where he focuses on helping a range of clients consider land use diversification from an economic, systems and succession perspective.

Phil completed the Kellogg Rural Leadership Programme in 2016 and has recently become a member of the Beef and Lamb Mid Northern North Island Farmer Council where he is upbeat about the opportunities for this sector. Prior to farming, Phil travelled extensively and has a diverse background.

He has worked in Environmental Science across Australasia, held senior roles with AgResearch in Commercialisation and business development and completed a Master of Marine Management at Dalhousie University in Nova Scotia, Canada.

Phil believes a positive outlook and high-quality collaboration is essential to the primary sector positively confronting the myriad of complex challenges faced. Phil wants to explore the NZ primary sector landscape to determine if there are fundamental barriers restricting collaboration, and to consider how NZ primary producers can best work together.

UNITED KINGDOM



Aoife Behan

E:

Currently, I am Director of Soil Association Scotland, a food and farming charity. My role is to lead and manage the organisation, its programme of work and its team of 27 staff to build its influence and credibility to transform the way we eat, farm and care for the natural world. We deliver a range of Scottish Government funded programmes including the Rural Innovation Support Service which promotes farmer-led innovation and Food for Life Scotland which works to get fresh, healthy, Scottish food on school plates.

I am a social policy professional – I have a MSc in Social Policy and Planning from London School of Economics – with a keen interest in food and farming issues. I joined the Soil Association 2016, where I led on the Good Food for All strategic theme, and the organisation's policy influencing work, including participating in policy fora. Prior to that I held policy and social research roles, and also spent time running my own food events business.

This is a very challenging time for agriculture with a climate emergency declared in Scotland, the biodiversity crash and Brexit. I believe a wholesale transition to agroecology – farming with nature – may help Scotland meet its climate change targets while also protecting biodiversity, livelihoods of farmers, and ensuring sustainable food production. I also believe that policy and public investment could do so much more to help our farmers to make this transition. The scholarship will offer me the opportunity to explore these ideas in more detail, and advocate for change on my return.



David Butler

E:

I have had the privilege of being involved in farming from a young age. We originally had a 60-acre family fruit farm in Kent. Over the last 10 years I have managed to expand to 160 acres growing apples, pears, cherries and some various soft fruits. In that time, I have also worked as the fruit manager of a family estate's fruit department consisting of 400 acres of orchards nearby.

I gained an extended level 5 in Management and Leadership from Plumpton College and a qualified tree surgeon.

I am passionate about fruit growing and am fascinated by the cycles and evolution's the industry goes through. I enjoy holding open events on the farm and showing the new systems, ideas and machinery that we all benefit from. I have also provided teaching workshops for school children to visit and learn about fruit growing. For the last three years I have been a committee member of the East Kent Fruit Society.

I have a wonderful wife and three fantastic children whom I spend as much time with as possible. I am involved and sponsor my sons under 13's football team which we do a lot of travelling in the Kent league.



UNITED KINGDOM [CONT.]



John Cappalonga

E:

Growing up on my parent's cucumber nursery in the Lea Valley and joining my father on transport runs to Covent Garden, I was constantly surrounded by Fresh Produce and Commercial Horticulture from an early age. During my teenage years the nursery was sold, and we purchased a chrysanthemum nursery in the Lea Valley. I started studying Horticulture college alongside working at the nursery but as UK flower market did not survive the competition from mainland Europe, and we were forced to seek alternative crops. We planted our first hydroponic sweet pepper crop of which two decades later I still cultivate. My parents have since retired and I now run the pepper nursery, implementing modern technology solutions at every opportunity including installing an LED lighting research trial and an automated pepper transport system for harvesting. Most recently I have attended Writtle University College to finish my bachelor's degree in Horticulture and nominated to Vice-Chairman of the Lea Valley Growers Association. I have also had the pleasure of sitting on the NFU Horticulture & Potatoes Board, the AHDB Protected Edibles Panel and have become a Trustee of the Chartered Institute of Horticulture.

I enjoy the outdoors and regularly hike around Epping Forest in London, where I live with my wife and our dog. I have also enjoyed travelling the globe to expand on cultural knowledge as well as other farm practices which is what attracted me to the Nuffield Farming Scholarship.



Lizzie Carr-Archer

E:

During my younger years I grew up on the family farm in Oxfordshire, lending a hand and getting into general mischief. After concluding that being a Vet wasn't for me, I decided to study Environmental Science at the University of York, where I embarked on modules such as pesticides in the environment.

In 2012 I started on the graduate programme at British Sugar working at four month intervals around the company for a year to get as much experience as possible, where I was then placed as an Area Beet Manager at Bury factory. I moved companies to Monsanto and started working as a Sales Promoter for the Roundup glyphosate brand – fighting fire as you can imagine! I then moved within the company to a role as a Business Development Manager for the OSR brand Dekalb where I have been at for the last four years. My role has transitioned considerably over these years, now being sat in a different company of Bayer, and being responsible for the lien share of the UK and IRE business in seed and seed treatment. Working with the whole seed industry gives me such a wide perspective of the challenges we face and has spurred my interest for further learning of the wider global industry.

Outside of work you will find me training mornings and nights with my two event horses and every summer we attempt to compete around work commitments. I also have two wonderful dog-kids and enjoy painting animal and wildlife commissions in my spare evenings.

UNITED KINGDOM [CONT.]



Peter Craven

E:

I am proud to be a 4th generation farmer in Lincolnshire. My Great Grandfather started the family business with a flour mill and each generation has changed and improved the role and size of the business. Today, I farm with my brother specialising in potato and daffodil production. We also grow wheat, sugar beet and vining peas as well as letting some land for brassica and carrot production.

My brother and I both have children and we hope to give the same opportunity that we were offered by our father, to any family member that wishes, to join the family business. Family businesses have massive strengths with which I hope to capitalise on. I wish to understand how family businesses can achieve greatness over many generations and how they plan to manage their futures.

Since I returned from University, our potato enterprise has increased to include long term potato storage, supplying supermarkets for approximately 10 months of the year. More recently, we have introduced a packing line to supply potatoes for the chip shop market.

We are a member of LEAF (Linking Environment and Farming) and have had 20 years in the Higher-Level Environmental Stewardship scheme. Farming progressively with technology, in harmony with the environment, is something that I am passionate about. I strongly believe this is the only sustainable way forward for farming into the future. We focus on creating a sustainable habitat for birds on the farm including, two water storage reservoirs which we manage as conservation areas, primarily for wildfowl. I enjoy photographing wildlife and the surrounding countryside in which we live and work.

My first full time employment was with Vecon, in Tasmania prior to studying a BSc Hons Agri Business Management at Wye College in Kent, before returning home to the family business. In my spare time, I have served on Boston Borough Council for four years, as well as serving on our local Parish Council for 15 years, of which I am currently Chairman. I am a member of Millenium Farmers which is a forward-looking group of farmers, sharing and gaining both knowledge and expertise.

I completed the Advanced Course in Agri Business Management at the Royal Agricultural College, Cirencester in 2018. This course is managed by the Worshipful Company of Farmers, to which I am extremely grateful for energising a passion in me and a thirst to achieve more, within my farming business, for me personally and also to help others.

In June 2019, I was clothed as a member of the Worshipful Company of Farmers and given the Freedom of the City of London.

I have recently been appointed a member of the NFU potato Forum and I am currently participating in an NFU Ambassadors course.

My wife, Hazel, and I met whilst studying at Wye College and we have been married since 2001. We have two children, two dogs and a giant African tortoise.



UNITED KINGDOM [CONT.]



Nicola Harrison

E:

My career so far has been varied but always centred around research. I have been very fortunate to have been able to combine my passion for plants with research during my Ph.D. at the Royal Botanic Gardens Edinburgh, where in my spare time I learnt the art and skills of grafting fruit trees. After my studies, my growing interest in fruit crops led to a research position at East Malling Research (now NIAB EMR), where I developed a programme of research on fruit tree rootstocks and root development. I was also able to indulge in another passion of mine, which is building renovation through the refurbishment of the National Rhizolab Facility, a belowground laboratory for the study of fruit tree root systems that are actively growing in the soil, achieved through underground access windows.

During my time at NIAB EMR, my interests broadened to the wider horticultural sector and how research funds and industry research contributions could be used more effectively. This led to my current position as a senior scientist for horticulture with AHDB where, amongst other things, I manage the protected edibles research portfolio. I have been privileged in this role to meet and work with some of our most innovative horticultural leaders to develop our thinking around the food systems of the future, which provided me with the motivation to apply for this Nuffield scholarship.



Edward Jones

E:

I come from a farming family background and grew up on a beef and sheep farm on Anglesey, North Wales. Not only was I fortunate to grow up on a farm but also lucky to feast on unpasteurised milk, fruit and vegetables from the garden, and eggs from free roaming chickens. I've always had a passion for farming but also an interest in banking and finance. After completing my PhD (Economics) at the local university I embarked upon a career in banking and specialising in the area of quantitative finance.

I moved back to Anglesey in 2015 to become a Lecturer in Economics at Bangor Business School, Bangor University. This allowed me to build upon my experience in the banking industry and continue developing cutting edge solutions to today's financial and economic problems. This appointment also gave me the opportunity to live and work (part-time) on the family beef and sheep farm and renovate my great-grandparents farmhouse and become the fourth-generation family member to live there.

As part of my role at the School, I have led and delivered a number of high profile projects with external stakeholders; including working with the Welsh and UK Governments on devolved taxes, being an Expert Advisor on fiscal policy for the National Assembly for Wales, developing predicative models for a FinTech50 recognised start-up, and developing tools for a regional Economic Ambition Board to aid public investment decisions. In 2019, I was appointed as a Non-Executive Director of M-SParc, Wales' only dedicated Science Park.

Early in 2018, I decided to enrol on the AgriAcademy Rural Leadership Programme so to develop the skills and professional network required to allow me to have a positive impact on the agricultural industry. This Programme included meeting with various industry leaders and policymakers in Brussels and in Cardiff and provided me with a unique insight into the industry and exposed me to a network of ambitious and dynamic individuals, all with a passion for farming.

Nuffield scholarships were always a prominent feature of farming in Wales and something that I'd always hoped to apply for following the Rural Leadership Programme. This scholarship presents me with a unique opportunity to combine my background in banking with my passion for agriculture and I'm honoured to join the Nuffield ranks.

UNITED KINGDOM [CONT.]



Fred Langdale

E:

I grew up on a small holding farm near Godalming, Surrey and I have always had an interest in farming. It wasn't until 2001 when I had the opportunity to work in New Zealand that my interest in viticulture was triggered. On my return to the UK I enrolled into Plumpton College, to pursue a better knowledge of viticulture. During the course I worked for an organic vineyard and winery near Tonbridge Wells. In 2005 I leapt at the chance to travel to South Africa to work at a vineyard near Stellenbosch, I was able to stay for a whole year and witnessed the vineyard's complete seasonal cycle. On my return to the UK I worked at one of the UK's largest vineyards supervising the establishment of an 80-acre vineyard in West Sussex. After 2 years in that role I started to think of my next step and the opportunity of managing Exton Park Vineyard then arose.

It all started on the 1st of May 2008, at the time it was a 10-acre vineyard where I was the only employee and we sold our fruit to other wineries. Moving on 11 years, we now have 60 acres under vine, our own winery, an established wine brand with 10 employees and I am now a partner in this very exciting and growing business.

Out of work, my wife and I try to control our five and three year old boys. We all enjoy and get involved in various country sports. We are kept fit by our two dogs and enjoy getting involved in various local events and activities.



Jamie Lockhart

E:

I grew up in Norfolk and have been involved in farm management since graduating from Shuttleworth Agricultural college in 1995.

I am Director of Farming at Honingham Thorpe Farms where I have been employed for the past 15 years. The business farms 6,000 acres and cropping includes cereals, oilseeds, sugar beet and a range of irrigated crops including potatoes, onions and parsnips. We participate in several trials on the farm including variety trials and one showing the benefit of grazing livestock within an arable rotation.

We are involved with several diversification projects including office and warehouse lets, commercial grain storage and the development of a food and agricultural business park under the name of the Food Enterprise Park.

I am married to my wife Becky and we have two children Sam and Katie who are 17 and 15. They are all keen on horses and we spend many weekends throughout the year travelling to various competitions across the country.

I am currently the vice Chairman on Norfolk NFU and will take on the Chairs role in early 2021. This allows me to get involved with the wider issues facing our industry.

In my spare time I enjoy rugby, shooting and spending time with my friends and family.



UNITED KINGDOM [CONT.]



Lucy MacLennan

E:

From a young age I have always had a love of food, whether it was baking with my mother as a child and loving Home Economics lessons before progressing to cookery school, which led me to study Food and Nutrition at University. On my work placement year, I discovered the role of a food technologist and went on to the graduate scheme at Marks and Spencer. Having spent a number of years working across numerous categories including developing party food for the millennium and travelling the world to source canned goods, I eventually found my way into fresh produce and have never looked back.

I moved to Scotland for several years where I headed up the technical team for Kettle Produce before returning back to London to take up a role leading the fresh produce category for Sainsbury's which involved working with a global supply base of more than 300 businesses across vegetables, fruit, salads, prepared produce, flowers and pot plants.

In 2011 I left the corporate world, pausing my career to participate in the Clipper Round the World yacht race (where I sailed home from San Francisco as part of a crew of 16 on a stripped out racing yacht). On my return I completed an MBA at Cranfield University before establishing my own consultancy business, Food Technical Expert.

My consultancy work specialises in fresh produce and amongst other projects has led to the development of the Marks & Spencer Select Farm Produce standard which has step changed food safety standards within the fresh produce industry. I am also Non-Executive Director and Chairman of the Fresh Produce Sector Board for Red Tractor Assurance.

Outside of work, I have recently completed a full renovation of my house and have now moved onto re-landscaping the garden so I can usually be found elbow deep in mud! I also enjoy exploring the great outdoors with my Labrador, Connie.



Teresa Meadows

E:

Growing up on a sheep and beef farm in Dorset gave me an inbuilt passion and appreciation for the agricultural industry. After studying Geography at university, volunteering, travelling and working around the world, I worked in farm advice roles with an environmental focus. This was followed by my role as a Catchment Advisor in the Chelmer and Blackwater Catchment for Essex & Suffolk Water, working with farmers to improve water quality in catchment.

I joined AHDB (Agriculture and Horticulture Development Board) as Knowledge Exchange Manager covering East Anglia for the Cereals and Oilseeds sector in 2016. I work with farmers to improve their yields and business performance. Through the Monitor Farm and Strategic Farm programmes, the Arable Business Groups and wider events, the importance of how to share research and expertise between peers has become a great interest. Following a short visit with FAR in New Zealand, it became evident that we can learn a lot from experiences on IPM around the world at a time that is very important.

With the increased public awareness of farming, the need to improve biodiversity, the loss of key actives, especially to control aphids and cabbage stem flea beetle and a want from the farming industry to learn – I believe that the time is right to study and find best practice from around the world to the benefit of arable growers and agronomists in the UK.

Having conducted and been involved in research into the social science arena in agriculture, the fascination with what motivates farmers to learn and take up new ideas and previous experience through my career in the uptake of environmental measures through farm advice and the arable industry, I am very much looking forward to talking to farmers and organisations across the globe to further all of our knowledge in IPM and this area.

Outside of work, I run a community, grass roots volunteer programme based in the cloud forests of Ecuador for volunteers from around the world, sit on the national FCN Helpline and enjoy hill walking, cycling, being out enjoying the countryside and exploring new places.

UNITED KINGDOM [CONT.]



Emma Patterson-Taylor

E:

I grew up in Edinburgh and have chosen to make farming my career. From a background working in the food and drink industry in central Scotland, I joined my current employer SAOS in 2013 having previously worked in government developing and implementing the Scottish BVD Eradication Campaign. I draw on my learning and experience in the environment, food and agricultural sectors to bring insight to challenges in the farming industry. The chance to explore my chosen topic and be a Nuffield Scholar is an incredibly opportunity to further that.

In addition to the day job I am a cheesemaker and coach and have spent holidays working throughout the world learning how to make cheese.



Angus Russell

E:

Having been raised on the 400-hectare family owned arable Toft farm in Warwickshire alongside my parents a passion for a career in agriculture was ignited from a young age. I attended Warwick school for boys and left to study a three year extended diploma at Hartpury College in Gloucestershire, completing all courses and training available to me. After working at Heathcote Farm in Toddington I returned to the family farm in 2012 ready to implement fresh ideas, and with my father looking to take a backwards seat I was thrown in at the deep end. He has always said, "We have to give youth a chance".

I started a contracting business in 2013 to supplement the main arable holding. It grew quickly acquiring an additional 400-hectare of arable land. With a local spraying contractor we used retiring, I invested in a self-propelled machine to fill the void left in the area. I now undertake the crop spraying for 20 plus customers.

As a farm, we took an opportunity to diversify through digging two coarse fishing lakes, along with higher-level environmental schemes. Winning UK's most prestigious farm conservation competition the Silver Lapwing Award was a massive family achievement, a culmination of generations of commitment to the environment.

With the bottom line getting ever squeezed, two years ago I set up The Warwickshire Farming Partnership, a joint venture farming business covering over 1200-hectare of arable land. Together with a neighbour we have shared labour and purchased machinery allowing us to dramatically reduce costs. Yields have plateaued, machinery has risen tenfold and finding skilled and competent labour is becoming ever more difficult. I believe there never has been a more important time to work together. Looking to the future I think this partnership will be invaluable to us through the undoubtedly turbulent times presented by Brexit.

At Cereals this year I was runner up in the Syngenta Farm Spray Operator of The Year, competing as a finalist against people double my age was highly rewarding for me.

I have a five-year-old son called Freddie who means the world to me and brings a smile to my face everyday. In my downtime outside work I enjoy days game shooting with friends and family and play six-a-side football on a Monday night with a local group of farmers – not that we are any good. I am a hugely passionate Arsenal supporter, owning a season ticket I try to follow them home and away.



UNITED KINGDOM [CONT.]



Hannah Senior

E:

I grew up in a farming village in Yorkshire. Life later took me elsewhere – to University, a career in London, and business school at Stanford in California. I returned to agriculture when I acquired PBS International, a business which serves plant breeders and seed producers by using technical fabrics to control pollen flows. It was then that I realised how much I had missed the agricultural and scientific world.

Visiting plant breeding research stations all over the world, I saw the scale of the potential to bring a diverse array of technologies to agriculture to make it more productive, profitable and sustainable. I am a tremendous believer in the potential of innovative technology in agriculture ('AgriTech') and of entrepreneurship to step change both agricultural sustainability and productivity.

To have a broader impact, beyond PBS International, our fantastic team and customers, I became a Non-Executive Director at Crop Health and Protection (CHAP), one of the UK Government AgriTech Centres. I chair the CHAP Advisory Panel, designed to scan the horizon for new technologies, challenges and opportunities; foster opportunities for collaboration. I also mentor a number of AgriTech start-ups.

My family and I are lucky enough to live in a vibrant Yorkshire market town with coast, national park and AONB a stones-throw away. When weather and time allow, I love to admire it from light aircraft as well as from the ground. I am grateful to my family, the wonderful PBS team and my wider community for supporting me to do this study.



Samuel Smith

E:

I studied engineering at Cardiff University, motivated by how things work and the way design can help people. My interests in food and farming came later. During University, I became more aware of the environmental stresses on the planet, so I turned towards renewable energy and was fortunate to have the opportunity to study an MSc. in Sustainable Energy.

After University, I enjoyed time at Bioregional, an entrepreneurial charity famous for its work in the building environment, with developments such as the BedZED Ecovillage. I worked with organisations from their recycling company to projects with the construction sector, local authorities and businesses. The work often involved helping organisations to understand their carbon and ecological footprints and creating a sustainability plan.

In 2011, I spent a year in Kenya helping develop a renewable energy company called Steama:Co. I also completed a Permaculture Design Certificate. On returning from Kenya, I took over Sutton Community Farm, a 7-acre horticultural farm on the edges of London that we launched at Bioregional. With the support of a brilliant team, we grew this into a productive community-owned business and VegBox scheme. Most importantly, we created a warm, welcoming environment for people to join.

In 2016, while continuing to support the farm through its management committee, I stepped away and spent a year supporting other community food projects with business planning and governance. While a big advocate for building resilience local food systems, I was curious to understand more about the larger food system. This led me to Forum for the Future.

At Forum, my work is focused on how we accelerate systems change in our food system – moving towards a more resilient, sustainable and healthier food culture. Given the deeply complex and interconnected challenges in our food system, this is no small aim and I was motivated to join Forum for their strengths in systems thinking and collaboration. I believe these two approaches can play an important part in speeding up the transition society needs to make.

I am also a Director at the Farm Carbon Cutting Toolkit, an enterprise helping farmers to understand and improve their carbon footprint. In my spare time, I play the fiddle and guitar, enjoy swimming in wild places, bee-keeping and hiking up mountains.

UNITED KINGDOM [CONT.]



Gary Spence

E:

I grew up on a dairy farm in Kilkeel, Co. Down which transitioned to beef and crops which is currently farmed in a partnership between my father and me. I studied Agriculture Technology at Queen's University Belfast and CAFRE Greenmount which included placements in Devenish Nutrition and with Fields of Life Uganda. Upon graduating I have worked in the industry in roles which have included feed formulation, sustainable agriculture practices and soil health research and advice.

I have also founded a farmer's cooperative in Uganda called Seeds of Hope, where we sell high quality seeds, fertiliser and agrochemicals to small holder farmers to develop their businesses and families. We also supply crop storage, training and help to bring products to market. As I begin my Nuffield, I will be starting a new role at Fane Valley as technical services co-ordinator in the forage and agronomy team where I will be developing programmes on sustainable farming practices for livestock and arable farmers.

In my spare time I like to spend time in the countryside with my dogs and train my springer spaniel and german pointer for shooting. I also enjoy cooking and making different produce from the animals we would shoot on our days out.

I would like to thank the Thomas Henry Foundation for their support in this once in a lifetime opportunity to research a topic that I am very passionate about and will help the livestock industry to overcome the challenges they face.



Sam Steggles

E:

My passion for agriculture can be attributed to my Grandfather who was one of the first to import Simmental cattle to the UK. Having studied at Writtle College and then Harper Adams, I worked for a number of years for Newquip/Big Dutchman where I gained a valuable insight into innovation and customer service within the UK poultry sector.

I always knew I wanted to make my own mark on the agri-business world, and ten years ago I spotted a gap in the market and returned from a Cumbrian holiday with 10 goats; the start of my business, Fielding Cottage.

From renting a redundant dairy unit, building a milking parlour and making cheese in a portacabin whilst working full time for Big Dutchman, to today's purpose built cheese factory and dedicated team making cheese which can be found in supermarkets, airlines and national restaurant chains, it has been quite a journey!

My wife, Caroline, and I, live in Norfolk with our two fantastic children, William (10) and Polly (8). When I am not working, I enjoy shooting, sport, particularly rugby, skiing and cooking to relax.

I cannot wait to begin the next chapter of my journey, my Nuffield adventure, where I hope to learn from others how they have achieved sustainable growth without losing the integrity of their brand and I would like to sincerely thank the NFU Mutual Charitable Trust for giving me the opportunity to do so.



UNITED KINGDOM [CONT.]



James Stobart

E:

I am Jimmy Stobart and I live in the Eden valley in Cumbria.

I work in partnership with my brother Tom on our family farm. The 780-hectare farm is split into two blocks with 93 hectares run on a rotational grazing system and the rest being made up of SDA and moorland. The moorland block is in a HLS scheme and is currently running 400 Swaledale ewes. Over the last six years we have changed the lowland block from a traditional stratified rearing unit breeding mule gimmer lambs, into grass-based system running 400 self-replacing ewes and 200 Wagyu cattle. The cattle are reared on contract for Warrendale Wagyu, with the lamb supplying Tesco as part of the cost of production scheme.

In the last two years we have continued to invest in infrastructure with 30 hectares being put into techno grazing systems. This has allowed us to budget feed more accurately, extending the grazing season, increasing liveweight gain and reducing bought in inputs.

Alongside the farm, I run a contract shearing business working on farms throughout Cumbria. Shearing has given me the opportunity to travel and work in different countries including New Zealand, Norway, France and Scotland. I have also competed in shearing competitions as part of these travels.

Outside of work, I am very sporty, enjoying squash and football. I am also part of a local shooting syndicate and the owner of an ever increasing collection of classic cars.



Alastair Trickett

E:

I graduated from the University of St Andrews with an MA (Hons) in Philosophy, having grown up on a family arable farm in Yorkshire. I moved to London to work for a management consultancy, helping companies like Google, Royal Mail and Experian commercialise big data. However, I craved something more 'real-world' so moved to a marketing agency owned by M&C Saatchi to help companies like Adidas, Samsung and BWM develop brand strategies that would connect with consumers and open up new markets.

This opened my eyes to the power of strong branding, marketing and advertising. And also, to the commercial cycles, pressures and strategies of FMCG. But being a farmer's son I wanted to work on brands I could relate to, so I moved to Associated British Foods, a fifteen and a half billion pound turnover company with a portfolio of UK grocery brands, including Jordan's Cereals (Country Crisp), Dorset Cereals, and Twinning's. I first joined their Graduate Programme in brand marketing and subsequently their Future Leaders Programme to work in digital sales strategy. This was a fascinating role in the rapidly developing online grocery market. The highlight for me was leading the negotiation of a new commercial and legal relationship with Amazon Fresh to launch all our brands on their new platform – it gave me real insight into how big brands and companies view the commercials of the grocery market, in which we all now participate as farmers.

In 2016 my wife, Katherine, and I left the corporate world behind to travel for a year before we moved North to the farm, and she re-joined a law firm in Leeds. We now live a very different but happy life trying to understand what the future holds for the farming industry and what part we can play in it. In our spare time we see family and friends, many of whom are returning north, and enjoy walking in the fells and lake district with our dogs.

ZIMBABWE



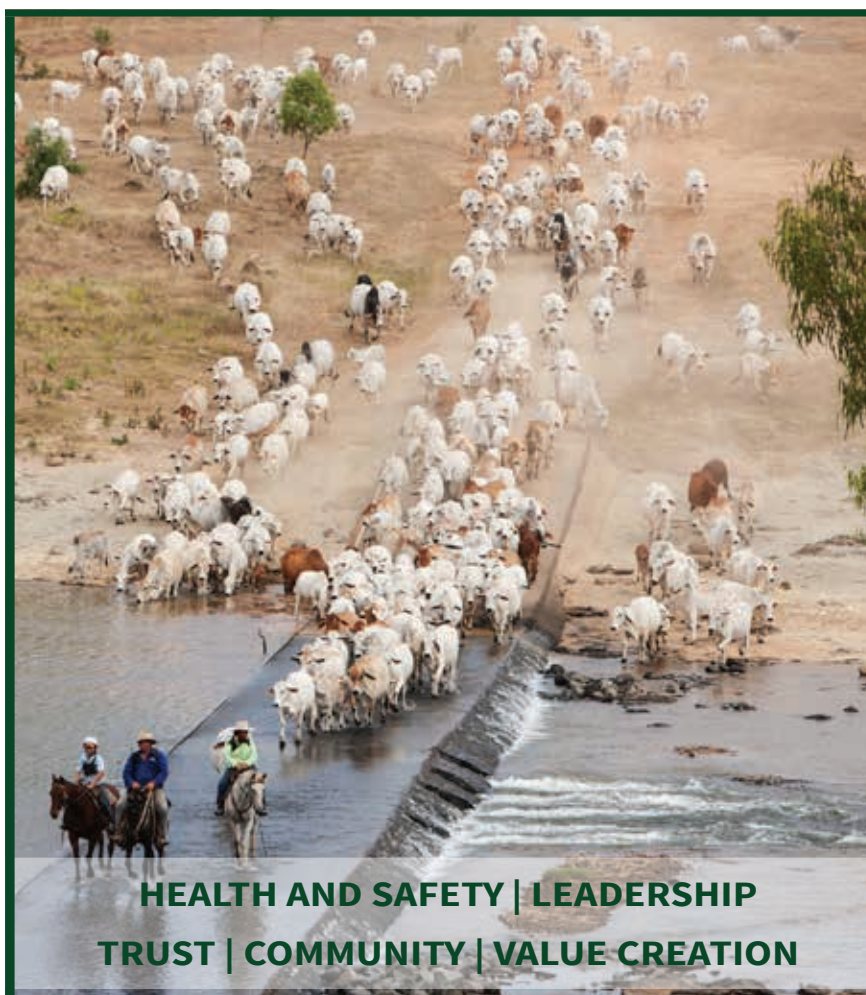
Ranga Huruba

E:

Ranga Huruba aims to research into communal and small-scale beef production in Zimbabwe. The beef sector has gone through various phases of development. As it stands, they have more cattle in communal and smallholder farms than in commercial entities. These animals are purported to be profitable (communally) although their national beef market contribution is low. Like all systems, it is not immune to effects of increased population growth, energy and nutritional deficit as well as global climatic change. Most of the resettled areas were once booming with species diversity and sound ecological systems but after a few decades, they have been degraded. Therefore, there is need to look at the sustainability of these systems because as of now this herd outside commercial farms is over dependent on government support, for instance its management and there is reluctance in exploring other production systems.

Ranga's family owns land inherited from his grandfather where they are practising small-scale cattle ranching. He has a background in rangeland ecology and is currently doing his PhD in the same field while working for Debshan Ranch as Research Manager. Debshan is a cattle and game ranch embracing management for production sustainability.

His long-term goal is to improve production potential and income of farmers, with the added advantage of increased ecosystem resilience. Identifying typical patterns in the heterogeneous situations in which farmers operate will provide crucial knowledge regarding key similarities and differences, facilitating the dissemination of findings and the transfer of successful strategies. He plans to visit France, Ireland, United States of America, Mexico and Brazil to expose him to different farming systems for him to shape his ideas and solutions.



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DELEGATES



MAYCON CESAR

E:

The son of a hospital kitchen-maid and a health surveillance agent, parents who only completed high school, **Maycon Cesar** studied at public schools in the state of Minas Gerais, Brazil. Amid the limitations of resources and opportunities, pro-activity and protagonist spirit became the guiding values. Still in elementary school, Maycon designed and implemented the second student-led radio in his town, Rádio Conexão Jovem, and got involved with scientific research in local colleges through scholarships from the federal government.

In 2014, Maycon founded the Empower Program, an initiative that connected transsexuals, especially trans women, with employers in Northern Minas Gerais. Over two years, he made several presentations at local companies around the importance of having diverse teams of employees. As a result, the Empower Program included 88 transsexuals from the region in companies such as Brasnica, Casas Bahias, Eletrosom and Rede Norte.

Currently, Maycon is a sophomore studying Engineering Psychology and Computer Science at Tufts University in the United States. He runs the Brazil4Education project that teaches 3D modelling and coding to Brazilian youth who are equipped to design electronic educational simulators and donate them to public schools. Several institutions have recognised Maycon's efforts at the front of this initiative, including Women Deliver, The Clinton Foundation, and Latin American Leadership Academy. More recently, he went to the Bayer Youth Ag Summit in Brazil, where he won the Ambassador Award after designing a mobile app to connect schools in need of food supplies with marketplaces willing to make food donations.



DR ALLAN PEAKE

E:

Dr Allan Peake from Queensland is a Senior Research Scientist who has been selected to represent CSIRO (Commonwealth Scientific and Industrial Research Organisation) to attend the Africa GFP. Allan will use the experience to learn how farmers globally can better adapt to a changing, variable climate, and understand which emerging technologies are most likely to help Australian farmers.

Allan grew up in Queensland and the Northern Territory helping his father (an agronomist originally from Wandoan) grow crops as a sharefarmer in his spare time. After training and working as a Plant Breeder in wheat and sweetcorn, Allan began working for CSIRO in 2003 and now specialises in crop agronomy and farming systems research in both dryland and irrigated broad-acre crops.

"The most enjoyable part of my job is talking to farmers to understand their research needs, testing new ideas on farms and communicating the results to farmers and agronomists. I make the point of spending as much time on farms as I can because I know I learn as much from farmers as they do from me."

"It's fantastic that Nuffield and CSIRO are partnering to get more farmers and scientists networking together. Sometimes researchers are unaware of potential real-world applications of their work, so I am looking forward to improving the connections between CSIRO and Australia's most innovative farmers."

He will use his skills as a farming systems scientist to give the scholarship group a different perspective on the farming systems they visit and how they could gain benefits in their own farming enterprises.



HENRIETTE KEUFFEL

E:

Henriette Keuffel is deeply ingrained in agriculture as she grew up on a pig and cropping farm in the north of Germany and in the little state of Estonia. Henriette is now aged 29 and has worked on different farms worldwide during school and college years — always with the aim of getting to know the global diversity of agricultural and entrepreneurial practices in order to develop herself and her environment with new knowledge. As a working student in agribusiness studies, she later worked internationally in the precision farming sector and now works full-time in public relations and communication for modern agriculture. In doing so, she enriches her environment with a passionately healthy sense of humour, the ability of lateral thinking, a hint of craziness, her motivation and an eye for the essentials things in everyday life.

Drought Angels

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FACILITATOR AND COORDINATORS



FACILITATOR



WAYNE OWEN

1998 NUFFIELD SCHOLAR UK

Wyn Owen is a 1998 UK Nuffield Scholar and a Trustee on the UK Nuffield Farming Scholarships Board. He has extensive experience of facilitation, coaching, training and organisational change, and holds two Masters degrees. Wyn is delighted to be facilitating the 2020 CSC and looks forward to an intensive activity packed schedule and meeting many more Nuffield Scholars, their guests and hosts. As part of his scholarship, Wyn studied the use of clover based swards in less favoured areas. He and his family are farming sheep, environmental schemes and grass leys near Welshpool in mid-Wales.

COORDINATORS



NIGEL CORISH

2014 NUFFIELD SCHOLAR, NUFFIELD QLD CHAIR

Nigel Corish is a 2014 Nuffield Scholar and fourth-generation farmer from Goondiwindi in Queensland with over 20 years' farming and business management experience. Nigel is the Managing Director of New Leaf Ag Pty Ltd, a family owned food and fibre company. Nigel holds a Bachelor of Applied Science Agronomy from the University of Queensland. Nigel's work across agriculture has been recognised as Australian Cotton Grower of the Year and ABC Rural Australian Young Farmer of the Year. Nigel currently sits on the board of Cotton Seed Distributors, and is a Board Director of GrainGrowers Ltd. For his scholarship, Nigel studied Fertiliser Use Efficiency (FUE) in irrigated cotton crops and visited United States of America, Brazil, China and Europe.



NICOLA RAYMOND

PROGRAM OPERATIONS MANAGER, NUFFIELD AUSTRALIA, 2006 SCHOLAR

Nicola Raymond is a UK Nuffield Farming Scholar who brings a decade of experience from her career in the agri-food industry in the UK. Nicola has been in a communications support role with Nuffield Australia since 2010 and was the Event Coordinator for the 2011 Nuffield International Conference. A farmers' daughter from Wales, Nicola was formerly the General Manager of the Welsh Meat Company, a farmer cooperative of 700 producer-members. She has lived in Australia since 2007 and was senior consultant for Currie Communications in Melbourne, where her clients included Dairy Australia and Meat & Livestock Australia. She has also been the Executive Officer of Lucerne Australia, the peak industry body for the lucerne seed industry in Australia. In 2010, she also graduated from RMIT University (Melbourne) with a PR Certificate. Nicola is passionate about agriculture and working on behalf of primary producers. She is the Nuffield Australia Program Operations Manager and 2020 CSC Co-ordinator.

SPEAKERS AND GUESTS 2020



NOT IN ATTENDANCE

Robynne Anderson

PRESIDENT AND CEO, EMERGING AG INC

E: Robynne@emergingag.com @Robynne_A

Robynne Anderson is an international expert in agricultural and food policies, working with a broad range of clients from farmers to food processors, research institutions to governments.

Robynne often represents organisations at the United Nations, bringing the voice of agriculture in multi-governmental processes. She co-ordinates Private Sector Mechanism representing agribusinesses at the UN Committee on World Food Security. Her savviness at international diplomacy brought innovative issues to prominence, such as the role of women in farming, land tenure guidelines, responsible agricultural investment, and the importance of food waste, and global sustainability. She also co-ordinated global activities for the International Year of Pulses on behalf of the Global Pulse Confederation reaching 1.1 billion people worldwide.

Prior to founding Emerging ag in 2010, Robynne established and ran for almost 20 years Issues Ink, a leading publishing company specialising in magazines on Canadian and American agriculture. In addition to her role at Emerging ag, Robynne is involved in her family's seed farm in Dugald, Manitoba, Canada and a founder of the Manyinga school project, a non-profit organisation that supports orphans to learn agricultural skills through schools. In 2017, she became the youngest person inducted into the Canadian Agricultural Hall of Fame.



Richard Dickmann

PUBLIC AND GOVERNMENT AFFAIRS, AUSTRALIA AND NEW ZEALAND, BAYER

Richard Dickmann has worked with Bayer for more than 25 years, including a 19-year international career in five countries, in a variety of marketing, technology scouting and sustainability roles, and is currently responsible for Public and Government Affairs in Australia and New Zealand. His focus is on strengthening dialogue on the critical role of innovation in meeting the sustainability, food supply and health challenges, and opportunities faced by Australia today. From a southern Victorian farming background, Richard obtained an Honours Degree in Forestry from Melbourne University and a Master's Degree in Agriculture, focusing on satellite remote sensing, from the University of Sydney. He is also a member of the Australian Institute of Company Directors.



Owen Dingle
BUSINESS CONSULTANT, MAZARS

Owen Dingle works with clients to formulate strategies to help them grow organically and through acquisitions.

As a Business Consultant with Mazars, he strives to bring valuable debt funding, structuring, commercial sales and business acumen to clients, drawing on the 18 years experience he has had in banking and finance. He uses this knowledge to help the next generation in family businesses to use available funding options to smoothly transition and deliver into succession plans. Owen enjoys working with clients to help them create robust and practical growth strategies. In particular, he enjoys working with businesses to ensure they have the right financial structures which are not unnecessarily complicated and achieve the desired results. As a trusted advisor to clients, Owen prides himself on maintaining integrity and confidentiality. Whilst he works across many sectors, he has a deep understanding of the challenges and needs of the agribusiness sector, having grown up on the land. He still maintains a cattle property of his own.

Owen enjoys spending time with his family and managing the challenges of managing a 1,400ha cattle property in the Burnett Region, running a self-replacing herd with 200 Santa Cross Breeders.



Christi Dixon
**AGRICULTURE ENGAGEMENT AND ADVOCACY MANAGER,
CROP SCIENCE DIVISION, BAYER**

As part of the Environmental Strategy & Industry Activation team in Bayer's Crop Science Division, **Christi Dixon** is connecting with farmers around the world to communicate with key societal audiences – specifically in modern agriculture practices and technology access. Using a variety of communication channels, industry networks and personal connections, Christi is passionate about shifting the narrative of food and farming.

In her current role of Agriculture Engagement and Advocacy Manager. Christi also serves as the stakeholder engagement manager for global farmer groups working to identify and equip new advocates – so the entire industry can balance a growing population with protecting the planet.

Christi previously led Global Public Relations with Bayer's Crop Science Division, having joined the former Monsanto Company in 2014. She managed financial communications for the Fortune 500 company (including earnings, annual report, annual meeting), corporate philanthropy publicity, high-profile media relationships on behalf of the corporate brand, sustainability communications and other proactive communication strategies in support of modern agriculture.

Prior to her foray into agriculture, Christi spent more than 17 years in agency practice. She has specific expertise in sustainability initiatives, media relations and media training, crisis communications, integrated communications and long-term issues management. She most recently honed her consulting and strategic planning skills as vice president of Standing Partnership, where she led the consulting firm's sustainability practice.

Her work has earned national and regional recognition, including Bronze, Silver and Gold Quill awards from the International Association of Business Communicators (IABC), national Anvils from the Public Relations Society of America (PRSA), and program awards from the National Agri-Marketing Association (NAMA).

She holds degrees in Business Administration-Marketing and Communication Arts-Public Relations from Wartburg College in Waverly, Iowa. She also is a graduate of Coro Women in Leadership (Class 51) and has served on the leadership and alumni committee of FOCUS-St. Louis and the board of the Pacific Plains Region for the International Association of Business Communicators (IABC) She has served as director-at-large on the board of PRSA-St. Louis and is active in a number of St. Louis community organizations, including the Missouri Botanical Garden's Corporate Council.

A professed Missouri wine enthusiast, Christi volunteers with her local church and enjoys traveling with her winemaker husband and two teen daughters.

SPEAKERS AND GUESTS 2020 [CONT.]



Dr Toby Ford

CEO AND FOUNDER, FORD HEALTH

Dr Toby Ford is founder of Ford Health Rural, a division of Ford Health. Ford Health provides health, wellbeing and resilience services to companies and organisations around Australia. Ford Health Rural specifically provides these activities to corporate agribusinesses and farming families. In 2017, his team launched a charitable venture, The Farmers Health Promotion Collaborative, which has as its charter the vision to improve the health of farming leaders through delivering a holistic education and preventative health program covering physical, medical and mental wellbeing. The Agrarian Program links likeminded, well farming leaders from around Australia so they can support each other to build a resilient network that will future proof agribusiness and influence succession, leadership skills and career development for its members.



Dr David Jones

PROPRIETOR, SPLIT SECOND LEADERSHIP

Dr David WW Jones grew up on a wheat and barley farm in Washington State. He earned his B.S. & M.S. in Agricultural Education at California Polytechnic State University (Cal Poly), San Luis Obispo. He taught agriculture for eight years at Atascadero High School and then returned to Cal Poly to teach Agricultural Education. He attended the University of Florida and graduated in May, 2006 with a Ph.D. in Agricultural Education with an emphasis in leadership development. In 2006, he was hired at North Carolina State University where he developed and taught undergraduate and graduate courses in leadership and leadership development. He led the development of the Agriculture Science Degree focusing on leadership development which has earned national recognition. In 2017 Dr. Jones left NC State to pursue opportunities in the personal coaching and private business consulting arena. He has presented to over 100,000 people and in 2013, received one of two USDA Excellence in Teaching Awards for a New Teacher. He has been recognised as a Fellow by both the National Association for Career and Technical Education and American Association of Agricultural Educators. Dr. Jones is most proud of his 2009 'Most Inspiring NCSU Professor' student nominated award. Dr. Jones left NC State to pursue his own leadership consulting business, Split Second Leadership, and to assist his wife in her business as a literacy consultant for her own company, Hello Literacy Inc. David is married to his college sweetheart, Jennifer and they have two daughters. David enjoys spending time with his family, flying kites and hosting friends.



Jen Jones

PROPRIETOR, HELLO LITERACY

Jen Jones provides staff development to schools and districts all across the United States, in all areas of literacy, reading comprehension, writing instruction, critical thinking, 21st century teaching and learning, best practices for high yield instruction, and teaching and planning with purpose, urgency and intention. She is a K-12 Reading Specialist, has a Bachelor's in English and a minor in Psychology from Cal Poly, San Luis Obispo, and a Master's in Reading Education from East Carolina University. She taught in the San Luis Coastal Unified School District in California and at PK Yonge Developmental Research School at the University of Florida. Before she stepped into Hello Literacy full-time, she was the RTI Coordinator, Marzano Trainer and Intervention Director for her school as well as the Literacy Coach and School Improvement Chair at Lake Myra Elementary in WCPSS, the largest school district in North Carolina. Since 2012, Jen travels the country (and now Canada and Australia) providing positive, engaging and relevant professional development to teachers in schools and districts in 21st century literacy instruction. She writes for the International Literacy Association and Parent's Magazine. She is a champion of Donors Choose and Facebook Live. Jen has a TpT store called Hello Literacy, where her mission is to create products that make kids think and make teachers better teachers. She currently lives in Raleigh, NC, with her husband and has two daughters in college.



Kerri-Ann Lamb

2019 NUFFIELD SCHOLAR

Kerri-Ann Lamb from Killarney, Queensland received a 2019 Nuffield Scholarship with support from Hort Innovation.

Kerri-Ann is researching emerging trends, risks and opportunities in the fresh cut potato, sweet potato, onion and pumpkin market, to determine what the industry should be doing now to prepare itself for the future.

As an owner and manager of Wickham Farms, Kerri-Ann grows, packs and value-adds to hard vegetables that are delivered to supermarkets, wholesalers, restaurants and food manufacturers throughout Australia. Founded in the 1950s, Wickham Farms is now one of the largest potato growers and processors in Queensland, employing over 85 people and supplying to Coles Supermarkets as well as significant food businesses like Lite n' Easy, Sizzlers, Red Rooster and Oporto.

"As part of a third-generation farming family, I have seen many changes in the potato industry which have been driven by wholesale customers, major growth in the fresh cut industry and a big focus on reducing food waste," she said. "I have been looking forward to exploring emerging trends and opportunities for vegetable production around the world, and how these can lead to better value adding and waste management practices at home."

Researching ways to improve the sustainability and productivity of the horticulture industry, Kerri-Ann is visiting large scale potato processing nations of the Netherlands and the UK, as well as operations across other parts of Europe.

SPEAKERS AND GUESTS 2020 [CONT.]



Bill Malcolm

PROFESSOR OF AGRICULTURAL ECONOMICS, UNIVERSITY OF MELBOURNE

Bill Malcolm has a lifelong interest and participation in practical farming. He is a Professor of Agricultural Economics at the University of Melbourne, where he teaches, researches and writes about agricultural and farm management economics and has done so since 1980. He has written numerous books and articles about farm management economics, and Australian and international agriculture.



Ian McConnel

GLOBAL COMMODITY LEADER – BEEF, WWF-AUSTRALIA

Ian McConnel is WWF's Global Lead for Livestock and a globally recognised expert on Animal Production Systems. A fifth generation farmer, Ian gained a Bachelor of Science in Animal Studies at the University of Queensland and then spent a year at Colorado State University supporting meat science and genetics research. He joined the Queensland government extension service in 2003 and spent a decade delivering extension in the beef and sheep industries. Ian pioneered innovative extension and outreach tools in remote Australia and led the trialling and development of remote animal management systems.

He joined WWF-Australia in 2012 to lead their Australian beef industry engagement and rose to become their global lead for beef in 2014. In this role, Ian is an executive committee member of the Global Roundtable for Sustainable Beef and actively involved in efforts to improve the economic, social and environmental impacts of livestock production in 15 countries. His work includes include developing markets for sustainably produced beef, research and extension projects, policy development and consumer facing education.



Tim McGavin

CEO, LAGUNA BAY

Tim McGavin is a founding partner and CEO of Laguna Bay. Drawing upon experience and networks forged over a lifetime in Australian agribusiness, Tim is an experienced originator and investor, specialising in agriculture and renewable energy.

Tim was raised on a sheep and cattle farm in Western Queensland, studied Agribusiness at Marcus Oldham Farm Management College and completed an MBA at Macquarie University.

Tim has experience across beef, dairy, meat and wool sheep, row cropping, almonds, olives, wine grapes, nurseries, dryland and irrigation, intensive and broad acres farming. At the age of 20,

Tim started an aerial livestock mustering business in Northern Australia. At 24, Tim purchased a small vineyard with his brother Rob. Over the next seven years the brothers turned this into one of Australia's

largest privately-owned vineyards. In 2001 they sold the majority of their holdings, resulting in Tim being named in Rural Press's top young achievers.

Tim is a seed investor and non-executive Chairman of LGI, a public company specialising in landfill gas capture and dispatchable renewable power generation. He is a founding shareholder of Boundary Bend Ltd, which is now the largest producer of extra virgin olive oil in the Southern Hemisphere.



John McKillop

CHAIRMAN, CBRE AGRIBUSINESS

John McKillop is currently Chairman at CBRE Agribusiness, Australia's leading provider of valuation and transaction services as well as an independent director of the Dairy Farmers Milk Cooperative, Compass Agribusiness, Marcus Oldham College and on the advisory board of Hummingbird Technologies.

Previously John was the CEO of Hassad Australia, a fully owned subsidiary of Qatar Investment Authority with investments in farms and trading in Australia. Additionally, John was a Director of Dairy Australia and Meat & Livestock Australia, Cubbie Station Cotton and the Primary Industries Education Foundation. He has over 25 years' experience in the agricultural sector in various roles including CEO of AgCap, Managing Director of Clyde Agriculture and senior roles with Elders and Stanbroke Pastoral Company.

John holds a Diploma in Farm Management, Bachelor of Business, Graduate Certificate in Agribusiness, Masters in Business Administration and is a Graduate of the Australian Institute of Company Directors.



Ian Muir

E. E. MUIR & SONS PTY. LTD

E.E. Muir Pty Ltd is a privately owned company, wholly owned by the Muir family. This business is focused on providing services and products to a wide range of rural enterprises that concentrate on high value production agriculture.

Ian Muir joined E. E. Muir & Sons Pty. Ltd in December 1975 and has held many roles within the company including: Sales Agronomist; Sales Manager; Financial Director; Joint Managing Director (1995 – 2013); Chief Executive Officer (2013 – 2019). He has also been Director of the company since 1985 and Chair since 1997.

Ian completed a Bachelor of Agricultural Science 1975 at Melbourne University. He has also been Chairman of Fairbanks Selected Seeds since 1995 and Director of AgLink Pty. Ltd between 1997–2005 and again since 2019.



Sarah Nolet

PARTNER AND CEO, AGTHENTIC

Sarah Nolet is an internationally recognised food systems innovation expert, the CEO and Founder of AgThentic, a global food and agriculture strategy firm, and co-founder of Tenacious Ventures, Australia's first dedicated agri-food tech VC firm.

Sarah has been instrumental in building the early stage ag-tech ecosystem in Australia — from advising dozens of start-ups, designing accelerator programs and consulting to established agribusinesses, to helping industry, universities and government develop and implement forward-looking initiatives in food system innovation.

Sarah is also the host of the "AgTech...So What?" podcast, and co-founder of Farmers2Founders, a national innovation program for primary producers.

SPEAKERS AND GUESTS 2020 [CONT.]



Ollavo Queiroz Tinoco

2019 NUFFIELD INTERNATIONAL SCHOLAR, BRAZIL

Ollavo Queiroz Tinoco is a 2019 Nuffield International Scholar from Guaranta, São Paulo, Brazil. He is operational manager of Santa Maria Farm/Tinoco Eggs, representing the third generation of his family to be involved in the eggs, sugar cane, and beef cattle operation in northwest Sao Paulo.

During his Nuffield travels Ollavo has been investigating family succession and continuance, exploring potential relationships between the management of the operations and its country politics and economy and how farmers pass their businesses on to future generations. Specifically, the study topic title is: Potential relationship between operation management/country politics/economy/succession planning, supported by TIAA CREF Global Agriculture.



Daniel Richards

2016 NUFFIELD SCHOLAR

Dan Richards, from Darwin in the Northern Territory, received a 2016 Nuffield Scholarship supported by Woolworths. He studied international seafood and aquaculture production, technologies and market trends.

As business owner of the NT-based Humpty Doo Barramundi (HDB) aquaculture operation, Daniel sees big opportunities to develop premium quality, sustainably produced white fish to complement pink fish markets in Australia and overseas. Through HDB, he has been involved in pioneering the farming of barramundi from fingerling to about five kilograms. This business is now distributing about 40,000 kilograms of fresh barramundi per week into domestic and export.

Daniel says the company has already adopted a sustainable aquaculture production system and branded product, but he believes there are opportunities for all Australian seafood producers to further improve technologies, business models, products and marketing opportunities by studying what's happening in overseas markets. "There has been no domestic industrial-scale production of whitefish in Australia to compliment pink fish (salmon and trout) markets," he says. "Barramundi is a key contender for this space but, as a relatively new species to aquaculture farming, there are no specifically designed systems for its production and processing. We need to address this if we are going to compete in a global market and we also need to assess market trends and emerging opportunities overseas."

Daniel used his scholarship to travel to over 20 countries across the globe.



Emily Rigby

B.SC HONS (USC), 2016 NUFFIELD SCHOLAR

Emily Rigby is a 2016 Nuffield Scholar and a horticultural research scientist who has been working in the field of Medical Cannabis since legislative changes came into effect in Australia in 2016. As part of her scholarship, she investigated protected cropping in sub-tropical climates with a focus on low and high-tech protected cropping and the potential for farm forestry/multi-cropping as another form of protected cropping. She also investigated new or underutilised crop species, which led to research into the medicinal cannabis industry.

Emily is Director of Research & Compliance for Cannatrek and Director of Research Programs for the AIMC – Australian Institute for Medical Cannabis Inc, President of the Australian Society of Horticultural Science and Director of Protected Cropping Australia. Emily is a passionate advocate for Medical Cannabis – promoting Australian patient access, education and regulatory reform. Her expertise includes propagation and cultivation methods, facility design, licensing and permit applications, regulatory compliance, patient access, education and research from seed to patient. Emily is dedicated to removing the stigma surrounding the Cannabis plant, facilitating the Australian medical cannabis industry, improving patient access and growing high grade medical cannabis for domestic and export markets.



Brian Ruddle

PROGRAM DIRECTOR, IMPACT INNOVATION GROUP

Brian Ruddle has been involved in the innovation sector for more than 25 years across Australia, Asia, Africa and the Pacific. He founded Impact Innovation Group in 2006 which has grown to a 20 person team providing innovation, commercialisation and collaboration services for large multinationals, SME's, startups, not-for-profit's, universities, incubators and accelerators, and government agencies. He has also formed three agtech startups and a foodtech startup from university research. Brian sits on a number of advisory boards and committees and regularly provides advice to senior management teams wanting to deliver next generation products, services, processes and business models.



Karin van Selm

GROUP EXECUTIVE, WHOLESAL, RABOBANK

Rabobank Australia is a part of the International Rabobank Group headed by Coöperatieve Rabobank U.A. (CRUA), a global leader in food and agribusiness banking. **Karin van Selm** joined Rabobank as General Manager of Corporate Banking in January 2016, and as of 1 August 2018 commenced her new position of Group Executive, Wholesale Banking. Karin has a passion for a sustainable Food and Agriculture market and customers and drives value to customers with a strong customer focused team and linking Rabobank's networks, knowledge and financial services to deliver the appropriate customer solutions and support clients in driving their sustainable agenda. Karin has extensive experience in the financial services industry with various roles in Westpac's Consumer and Agribusiness team in Sydney. Here she was responsible for managing a team and a large portfolio of Food, Agriculture, Beverage and Diversified wholesale clients. She also was part of the ING Barings Structured Finance team and she started her career as a Tax lawyer at Ernst & Young. She holds a master's degree in Tax Law from the State University of Leiden in the Netherlands.



Anna Turvoll

CEO, V2FOOD

v2food is a new, innovative Australian company committed to making food that is good for you and good for the planet. Developed with over 100 years of CSIRO food and science research and with powerful collaborations within the food industry, v2food will play a pivotal role in changing the way we feed the growing global population sustainably.

Anna Turvoll is the Chief Operating Officer of v2food and focuses on company strategy, internal operations and overall management of v2food. Anna has worked in supply chain management and agriculture and was previously the CEO of a grain trading company. Prior to that Anna worked at Goldman Sachs for 10 years in London, Sydney and Brisbane. She worked in the M&A team across sectors including Natural Resources and Consumer Retail. Anna holds a Bachelor of Commerce & Bachelor of Arts from the University of Queensland and has attended Executive Management training at Oxford University.

SPEAKERS AND GUESTS 2020 [CONT.]



Angela Winton

DIRECTOR, MAZARS

Angela Winton uses her corporate experience, knowledge and skills to assist clients in filling an expertise gap that would be unaffordable to most in a permanent capacity.

She is a passionate and collaborative finance professional with a background in finance, strategic planning, and sales management. She applies qualifications and experience in finance, marketing, and strategic financial planning to assist clients to obtain clarity on their strategic direction both in business and personally. She has a reputation for making things happen, inspiring business owners to look at their business through a different lens, to see and realise its potential.

As a Consulting Director, Angela works with business owners to determine and quantify objectives they want their business to achieve, identify and develop strategies to address high priority areas of concern and opportunity, track, measure and revisit progress to provide accountability and focus and facilitate introductions to other specialists who have demonstrated expertise to meet an identified need.

A key focus is identifying and supporting the development of applications for Government Grants. These range from state-based entrepreneur/start up grants of \$5,000, to innovation-focused grants, including Ignite Ideas and Made in Queensland, of up to \$2.5 million and federal grants supporting regional jobs growth with 50% funding for projects in excess of \$20million.

At home, Angela enjoys spending time with her young family, which includes keeping fit outdoors – a personal passion.



WE SPECIALISE IN AGRIBUSINESS

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John Kotzur
Partner



Owen Dingle
Business Consultant



Angela Winton
Director



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