NUFFIELD INTERNATIONAL CONTEMPORARY SCHOLARS

2019 CONFERENCE

BRINGING GLOBAL AGRICULTURAL LEADERS TOGETHER TO BUILD CAPACITY AND PROVIDE SOLUTIONS FOR A GROWING POPULATION.

MARCH 9 - 16, 2019
AMES, IOWA
UNITED STATES OF AMERICA

www.nuffieldinternational.org
@NUFFIELDINT #CSC19 #NUFFIEL DAG

Nufield International Farming Scholars is deeply grateful to our investors and sponsors for making this transformative experience possible.
Dear Nuffield Scholars, Speakers, Investors, Country Executives, Board Members and Guests:

Welcome to the 2019 Contemporary Scholars Conference and welcome to Iowa and the USA. All of us associated with Nuffield International USA are honored to host you and look forward to an incredible week of learning, networking and camaraderie.

To the 2019 Class 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 International USA are extremely appreciative of those of you who are 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 USA and the 2019 Contemporary Scholars Conference. Your investments in Nuffield Scholars pays incredible dividends to our world’s food and agriculture industry.

I offer my sincerest thanks to my colleagues on the Nuffield International USA Board, our volunteers and the Nuffield International USA Scholars from recent years. All have had profound impacts on the planning and logistics related to the conference.

It was once said about the great American baseball player, Jackie Robinson, that he was the unconquerable doing the impossible. That is true of this year’s Scholars and everyone else committed to the farming and food industry, whether a farmer, fisherman, scientist or in the business. Your spirit, your inventiveness and your dedication will find ways to continue to feed the world.

Thank you and again, welcome!
**PRACTICAL INFORMATION**

This information will assist you in the preparation for the conference proceedings. Throughout the week, staff from the organizing committee will be available to help you with any questions at the Nuffield desk or reception.

**VENUE**

The CSC will be held at the Gateway Hotel & Conference Center in Ames, Iowa. Hotel amenities include an indoor pool, whirlpool, sauna, fitness center, free wireless internet and on-site restaurant. Guest rooms have been reserved for Nuffield Scholars, executives and guests and are equipped with coffeemaker, iron, ironing board, hair dryer and writing desk. Scholars will share twin rooms assigned by the Hosting Committee.

**AIRPORT TRANSFER**

It is approximately 45 minutes from the Des Moines Airport to the Gateway Hotel in Ames. Transfer will be arranged by the hosting committee.

**ADDITIONAL CHARGES**

The conference package includes accommodation, meals and local transfers. All additional charges incurred (room service, drinks, etc.) will be charged to your room and must be settled with the hotel before departure.

**SMOKING**

In 2008, the Smoke-free Air Act went into effect in Iowa. This prohibits smoking in many indoor and outdoor spaces. If you wish to smoke, please look for designated smoking areas.

**MEDIA AND SOCIAL MEDIA**

When possible, please tag @NuffieldInt on Twitter. On all social media platforms you are encouraged to use the hashtag #NuffieldAg. During the CSC, the hashtag #CSC19 should be used.

**CONFERENCE ACTIVITIES**

Throughout the CSC, Scholars will be working in small groups. Each day, Scholars will be in a different group, randomly assigned, to allow all Scholars to interact and work together throughout the duration of the CSC. It is essential that Scholars be present on time in the conference room each day for the commencement of each conference session. All participants must bring note-taking materials to every session, e.g. pen/paper, iPad, laptop, etc.

**DRESS CODE GUIDELINES**

**Business Formal:**
- **Men:** Jacket with shirt and tie and smart trousers, closed shoes
- **Women:** Suits with trousers or skirt; business dress, heels or smart flat shoes

**Business Casual:**
- **Men:** Collared shirt, jacket optional. No tie required, no jeans. Closed shoes; no runners/trainers
- **Women:** Suit trousers, skirt/shirt or business dress. Heels or flats; no runners/trainers

**Casual:**
- **Men:** Collared shirt, jeans are acceptable. No athletic or beach wear but runners/trainers are acceptable
- **Women:** Trousers/jeans; shirts/sweaters; skirt/dress. No athletic or beach wear, runners/trainers are acceptable

(There will be off-site tours on Monday and Thursday - comfortable walking shoes are essential.)

**IOWA STATE GYM**

The Iowa State University has been kind enough to provide free time at their gym on the evenings of March 14 and 15. [www.recservices.iastate.edu/facility/state](http://www.recservices.iastate.edu/facility/state)

**GENERAL INFORMATION**

- Bring conference ID badge along with a photo ID (driver’s license, passport, etc.), whenever you’re going to workout
- Anyone using the facilities will need to sign a participant waiver prior to entering the facility
- Basic equipment can be checked out while in the facility including towels, basketballs, volleyballs, badminton racquets, weight belts, resistance bands, jump ropes etc.

The following types of equipment and areas are available for use:
- Rowers, ellipticals, bikes, treadmills, stair steppers, plate loaded & cable machines and racks, 2 indoor tracks, 6 basketball courts, volleyball court, 3 badminton courts, 5 racquetball courts, 2 squash courts, 2 indoor pools

**Dress Code Policy must be followed as noted below:**
- Shirts must be worn at all times other than in the pool or locker rooms
- Shirts cannot have an armpit gap more than the width of your hand
- Tank tops cannot have an armpit gap more than the width of your hand
- Torso cannot be exposed: no sports bras only
- Shorts cannot expose buttocks
- Clothing cannot contain offensive language
- Appropriate, clean, closed toe, non-marking, athletic shoes are required in all activity areas
- Street shoes or shoes that mark the floors are prohibited
### Saturday March 9

<table>
<thead>
<tr>
<th>TIME</th>
<th>ACTIVITY</th>
<th>LED BY / NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00 AM</td>
<td>Optional: Meet in Hotel Lobby at 1:00 pm Bus departure at 1:15 pm</td>
<td></td>
</tr>
<tr>
<td>11:30 AM – 1:30 PM</td>
<td>Optional: Tours of Iowa State University and visit to the Department of Horticulture &amp; Greenhouses</td>
<td></td>
</tr>
<tr>
<td>2:00 PM – 3:00 PM</td>
<td>Optional: Welcome to America: American Government &amp; Culture</td>
<td>Dr. Steffen Schmidt, Dept of Political Science, Iowa State University</td>
</tr>
<tr>
<td>4:00 PM – 5:00 PM</td>
<td>Experience in Biological &amp; Organic Farming in Wisconsin</td>
<td>North Central Prairie Room</td>
</tr>
<tr>
<td>5:00 PM – 6:00 PM</td>
<td>Bus Pickup at Horticulture Hall for return to Hotel</td>
<td></td>
</tr>
<tr>
<td>7:00 PM – 8:00 PM</td>
<td>Welcome Reception &amp; Dinner</td>
<td>North Central Prairie Room</td>
</tr>
<tr>
<td>8:00 PM – 9:00 PM</td>
<td>Replacing Fossil Fuels - SolarHydrogen Systems</td>
<td>Jay Schmucker, CalTech’s Jet Propulsion Lab and an Iowa Farm Boy</td>
</tr>
<tr>
<td>8:15 PM – 9:15 PM</td>
<td>Experiences in Biological &amp; Organic Farming in Wisconsin</td>
<td>Gary Zimmer, farmer, Wisconsin</td>
</tr>
</tbody>
</table>

### Sunday March 10

**All Scholar sessions at the hotel will take place in the North Prairie Room**

<table>
<thead>
<tr>
<th>TIME</th>
<th>ACTIVITY</th>
<th>LED BY / NOTES</th>
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</thead>
<tbody>
<tr>
<td>7:00-7:45 AM</td>
<td>BREAKFAST</td>
<td>Central Prairie Room</td>
</tr>
<tr>
<td>8:00 AM</td>
<td>Welcome from Nuffield USA Officers and Board Members</td>
<td>Ed Kee, Nuffield USA</td>
</tr>
<tr>
<td>8:15 AM</td>
<td>Purpose &amp; Overview of Nuffield Contemporary Scholars Conference</td>
<td>Kelvin Meadows, Chairman</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>Nuffield Value: Respectful</td>
<td>Presented by Ireland</td>
</tr>
<tr>
<td>8:35 AM</td>
<td>Framing the Week and an Introductory Group Exercise</td>
<td>Hlaamalani Ngwenya &amp; Wyn Owen, Facilitators</td>
</tr>
<tr>
<td>9:45 AM</td>
<td>REFRESHMENT BREAK</td>
<td></td>
</tr>
<tr>
<td>10:00 &amp; 10:30 AM</td>
<td>Self-introduction of the Scholars &amp; Delegates</td>
<td>Hlaamalani Ngwenya &amp; Wyn Owen</td>
</tr>
<tr>
<td>11:00 AM</td>
<td>Animal Agriculture and Climate Change: A World View</td>
<td>Dr. Frank Mitloehner,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>University of California-Davis</td>
</tr>
<tr>
<td>12:00 PM</td>
<td>LUNCH</td>
<td>Central Prairie Room</td>
</tr>
<tr>
<td>12:45 PM</td>
<td>Animal Agriculture &amp; Climate Change Discussion</td>
<td></td>
</tr>
<tr>
<td>1:15 PM</td>
<td>Self-introductions of the Scholars &amp; Delegates</td>
<td></td>
</tr>
<tr>
<td>1:45 PM</td>
<td>Nuffield 101</td>
<td>Dr. Jean Lonie, Nuffield USA</td>
</tr>
<tr>
<td>2:15 PM</td>
<td>Self-introduction of Scholars &amp; Delegates</td>
<td></td>
</tr>
<tr>
<td>2:30 PM</td>
<td>REFRESHMENT BREAK</td>
<td></td>
</tr>
<tr>
<td>2:45 PM</td>
<td>The Nebraska Food for Health Center</td>
<td>Dr. Andrew Benson, Presidential Chair &amp; Director, Nebraska Food for Health Center; Professor, Food Science &amp; Technology, University of Nebraska</td>
</tr>
<tr>
<td>3:30 PM</td>
<td>Self-introduction of Scholars &amp; Delegates</td>
<td></td>
</tr>
<tr>
<td>4:30 PM</td>
<td>Welcome to Agriculture in the United States &amp; Iowa: An Overview</td>
<td>• The Honorable Ed Kee, former Secretary of Agriculture, State of Delaware</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• The Honorable Michael Naig, Secretary of Agriculture, State of Iowa</td>
</tr>
<tr>
<td>5:15 PM</td>
<td>ADJOURN</td>
<td></td>
</tr>
<tr>
<td>6:30 PM</td>
<td>COCKTAILS (cash bar)</td>
<td>Central Prairie Room</td>
</tr>
<tr>
<td>7:00 PM</td>
<td>DINNER</td>
<td>Central Prairie Room</td>
</tr>
</tbody>
</table>

### Monday March 11

<table>
<thead>
<tr>
<th>TIME</th>
<th>ACTIVITY</th>
<th>LED BY / NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 - 7:45 AM</td>
<td>BREAKFAST</td>
<td>Central Prairie Room</td>
</tr>
<tr>
<td>8:00 AM</td>
<td>Nuffield Value: Open Minded</td>
<td></td>
</tr>
<tr>
<td>8:05 AM</td>
<td>REFRESHMENT BREAK</td>
<td></td>
</tr>
<tr>
<td>9:30 AM</td>
<td>Country Overviews - A representative Scholar from each participating country will provide a five minute overview of agriculture in their country with time for question &amp; answer</td>
<td></td>
</tr>
<tr>
<td>10:00 AM</td>
<td>Field Trip to Iowa farms - boxed lunch on bus. Meet in Hotel lobby at 12:15 to pick up lunch and board. Buses leave at 12:45 sharp</td>
<td>Couser Cattle Company and Eagle’s Catch Fish Farm</td>
</tr>
<tr>
<td>6:30 PM</td>
<td>DINNER</td>
<td>Reiman Gardens, Iowa State University</td>
</tr>
<tr>
<td>8:00 PM</td>
<td>Buses depart for Hotel</td>
<td></td>
</tr>
</tbody>
</table>

### Tuesday March 12

<table>
<thead>
<tr>
<th>TIME</th>
<th>ACTIVITY</th>
<th>LED BY / NOTES</th>
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</thead>
<tbody>
<tr>
<td>7:00 - 7:45 AM</td>
<td>BREAKFAST</td>
<td>Central Prairie Room</td>
</tr>
<tr>
<td>8:00 AM</td>
<td>Nuffield Value: Diversity</td>
<td>Presented by Canada</td>
</tr>
<tr>
<td>8:05 AM</td>
<td>Country Overviews continued</td>
<td></td>
</tr>
<tr>
<td>9:45 AM</td>
<td>REFRESHMENT BREAK</td>
<td></td>
</tr>
<tr>
<td>10:00 AM</td>
<td>Turning Points in Your Life: An Exercise</td>
<td>Dr. Jean Lonie</td>
</tr>
<tr>
<td>11:30 AM</td>
<td>Semi-tropical Agriculture in the United States</td>
<td>Jason Fearneyhough, Texas Dept of Agriculture</td>
</tr>
<tr>
<td>12:00 PM</td>
<td>LUNCH</td>
<td>Central Prairie Room</td>
</tr>
<tr>
<td>1:00 PM</td>
<td>Iowa State’s Global Agriculture Program for Students</td>
<td>Dr. David Acke, Associate Dean, Agriculture &amp; Global Programs, Iowa State University</td>
</tr>
<tr>
<td>1:30 PM</td>
<td>Capacity Building/Personal Development Exercises</td>
<td></td>
</tr>
<tr>
<td>3:00 PM</td>
<td>REFRESHMENT BREAK</td>
<td></td>
</tr>
<tr>
<td>3:20 PM</td>
<td>Telling Your Story: Farming, Food &amp; Agriculture</td>
<td>• Mari Gayler-Alaniz, Founder &amp; President, Farmer</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• July Kenney, Deputy Secretary of Agriculture, Iowa Department of Agriculture &amp; Land Stewardship</td>
</tr>
<tr>
<td>4:30 PM</td>
<td>USDA Advisory Committee on Biotechnology &amp; 21st Century Agriculture</td>
<td>Russell Redding, Secretary of Agriculture, State of Pennsylvania, Chairman of the Commission</td>
</tr>
<tr>
<td>5:00 PM</td>
<td>ADJOURN</td>
<td></td>
</tr>
<tr>
<td>6:00 PM</td>
<td>DINNER/Cultural Evening</td>
<td>Central Prairie Room</td>
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</tbody>
</table>
### Wednesday, March 13

<table>
<thead>
<tr>
<th>TIME</th>
<th>ACTIVITY</th>
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</thead>
<tbody>
<tr>
<td>7:00 - 7:45 AM</td>
<td>BREAKFAST</td>
<td>Central Prairie Room</td>
</tr>
<tr>
<td>7:45 AM</td>
<td>World Food Prize - Meet in Hotel lobby at 7:45 AM. Buses leave at 8:00 sharp!</td>
<td></td>
</tr>
<tr>
<td>8:00 AM</td>
<td>Nuffield Value: Humility</td>
<td>Presented by United Kingdom</td>
</tr>
<tr>
<td>9:00 AM</td>
<td>Welcome to the World Food Prize &amp; Honoring Dr. Norman Borlaug</td>
<td>Ambassador Kenneth Quinn, President, The World Food Prize Foundation</td>
</tr>
<tr>
<td>9:30 AM</td>
<td>Issues Confronting Agriculture in the States - Global &amp; Local</td>
<td>Moderator Dr. Barbara Glenn, CEO, National Assoc. of State Departments of Agriculture; Panelists: Michael Scuse, Secretary, Delaware Dept. of Agriculture; Michael Naq, Secretary, Iowa Dept. of Agriculture; Russel Redding, Secretary, Pennsylvania Dept. of Agriculture</td>
</tr>
<tr>
<td>10:45 AM</td>
<td>REFRESHMENT BREAK</td>
<td></td>
</tr>
<tr>
<td>11:00 AM</td>
<td>Global Agricultural Trade with an emphasis on China</td>
<td>Keynote Speaker - Ted McKinney, United States Department of Agriculture</td>
</tr>
<tr>
<td>11:45 AM</td>
<td>Question &amp; Answer</td>
<td>with Under Secretary McKinney</td>
</tr>
<tr>
<td>12:15 PM</td>
<td>LUNCH and self-guided tour</td>
<td></td>
</tr>
<tr>
<td>1:30 PM</td>
<td>Oceans: The World's Largest Source of Protein</td>
<td>John Connelly, Pres., National Fisheries Institute</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>Public Policy, Diplomacy &amp; Agricultural Development</td>
<td>Eric Trachtenberg, Millennium Challenge Corporation</td>
</tr>
<tr>
<td>2:30 PM</td>
<td>REFRESHMENT BREAK</td>
<td></td>
</tr>
<tr>
<td>2:45 PM</td>
<td>Mega Trends in Global Agriculture</td>
<td>Aidan Connolly, AgriTech Capital</td>
</tr>
<tr>
<td>3:15 PM</td>
<td>Encouraging Productivity Growth throughout the Agricultural Value Chain to Sustainably Meet the Demands of a Growing World - The GAP Report</td>
<td>Ann Steensland, Deputy Director, Global Harvest Initiative</td>
</tr>
<tr>
<td>4:00 PM</td>
<td>Africa: Perspectives on Agriculture, Sustainable Development, Nutrition &amp; Food Systems</td>
<td>Bibi Glyse, Food &amp; Nutrition Security Advisor, NEPAD-New Partnerships for Africa's Development</td>
</tr>
<tr>
<td>4:45 PM</td>
<td>Adjourn</td>
<td></td>
</tr>
<tr>
<td>5:00 PM</td>
<td>Buses depart for Iowa family style DINNER at The Machine Shed</td>
<td></td>
</tr>
<tr>
<td>7:00 PM</td>
<td>Buses depart for Hotel</td>
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### Thursday, March 14

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>7:00 - 7:45 AM</td>
<td>BREAKFAST</td>
<td>Central Prairie Room</td>
</tr>
<tr>
<td>8:00 AM</td>
<td>Nuffield Value: Integrity</td>
<td>Presented by Netherlands &amp; Nuffield International</td>
</tr>
<tr>
<td>8:05 AM</td>
<td>Supply, Demand &amp; Price of Agricultural Commodities as impacted by Tariffs, Breit and other geopolitical issues</td>
<td>Dr. Chad Hart &amp; Dr. Wendong Zhang, Department of Economics, Iowa State University</td>
</tr>
<tr>
<td>9:15 AM</td>
<td>Speaking up for Agriculture: Iowa-based Farm and Agriculture Organizations</td>
<td>Kyle Amos, Nuffield USA (Moderator); Craig Hill, President, Iowa Farm Bureau; Karry Claghorn, COO, Iowa Soybean Assoc.; Pat McGonigle, CEO, Iowa Pork Producers Assoc.</td>
</tr>
<tr>
<td>10:00 AM</td>
<td>REFRESHMENT BREAK</td>
<td></td>
</tr>
<tr>
<td>10:15 AM</td>
<td>Climate in Crisis: Implications &amp; Strategies</td>
<td>Dr. Martha Shulski, Associate Professor of Applied Climate Science, University of Nebraska; State Climatologist &amp; Director of the State Climatology Office</td>
</tr>
<tr>
<td>11:00 - 11:30 AM</td>
<td>Scholar Engagement</td>
<td></td>
</tr>
<tr>
<td>11:30 AM</td>
<td>Bayer Crop Science US Tech Center - Serving Agriculture on a Global Scale</td>
<td>Welcome, Brent Schwenkner, Manager, Bayer Learning Center; Remarks, Members of the Bayer Crop Science U.S. Leadership Team; Brian Lowry, Deputy Counsel, Bayer Crop Science - U.S. Tech Center</td>
</tr>
<tr>
<td>2:45 PM</td>
<td>Dairy Issues and the Future</td>
<td>Dr. Greg Miller, Chief Science Officer, National Dairy Council</td>
</tr>
<tr>
<td>3:30 PM</td>
<td>Study Topic Reports of U.S. Scholars</td>
<td>Georgia Cartanza, Delaware, 2017; Brian Dougherty, Iowa, 2018; Arche Griffin, North Carolina, 2018</td>
</tr>
<tr>
<td>4:15 PM</td>
<td>Scholar Small Break Out Discussions</td>
<td></td>
</tr>
<tr>
<td>5:00 PM</td>
<td>Buses depart for Hotel</td>
<td></td>
</tr>
<tr>
<td>6:00 PM</td>
<td>DINNER Informer</td>
<td>Central Prairie Room</td>
</tr>
<tr>
<td>7:00 PM</td>
<td>Free Evening at Iowa State University Gym</td>
<td>open to Nuffield for the evening</td>
</tr>
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### Friday, March 15

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<tbody>
<tr>
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<td>BREAKFAST</td>
<td>Central Prairie Room</td>
</tr>
<tr>
<td>8:00 AM</td>
<td>Nuffield Value: Continuous Learning Mindset</td>
<td>Presented by Australia</td>
</tr>
<tr>
<td>8:05 AM</td>
<td>Trends in Production, Consumption &amp; Marketing of Fresh Produce</td>
<td>Ed Kee, Vegetable Crops Specialist, University of Delaware, retired</td>
</tr>
<tr>
<td>8:45 AM</td>
<td>Sharing Your Study Topic</td>
<td></td>
</tr>
<tr>
<td>9:15 AM</td>
<td>Speaker - Dr. Wendy Wintersteen, President, Iowa State University, former Dean of the College of Agriculture &amp; Life Sciences, Iowa State University</td>
<td></td>
</tr>
<tr>
<td>9:45 AM</td>
<td>REFRESHMENT BREAK</td>
<td></td>
</tr>
<tr>
<td>10:00 AM</td>
<td>Our Neighbor to the North - Agriculture in Canada</td>
<td>Moderator: Kelvin Meadows</td>
</tr>
<tr>
<td>11:00 AM</td>
<td>Beef Cattle Genetics: Past Present &amp; Future</td>
<td>Dr. Matt Spangler, Extension Beef Cattle Specialist, University of Nebraska</td>
</tr>
<tr>
<td>12:00 PM</td>
<td>LUNCH</td>
<td>Central Prairie Room</td>
</tr>
<tr>
<td>1:15 PM</td>
<td>What is it Really Like to Farm in the U.S. Heartland</td>
<td>Bryan Rethmeier, Iowa Cattlemens Association of Iowa, Iowa</td>
</tr>
<tr>
<td>2:15 PM</td>
<td>Digital Solutions for Agriculture</td>
<td>Dr. Lane Arthur, Director for Digital Solutions, John Deere Co.'s Intelligent Solutions Group</td>
</tr>
<tr>
<td>3:00 PM</td>
<td>REFRESHMENT BREAK</td>
<td></td>
</tr>
<tr>
<td>3:15 PM</td>
<td>Global Sustainable Development Goals and the Role of Agriculture: Reflections on Scholars Roles &amp; Contributions towards achieving SDG's</td>
<td>Wayne Dredge, 2014 Nuffield Scholar; Dr. Jean Lorie, 2018 Nuffield Scholar</td>
</tr>
<tr>
<td>4:15 PM</td>
<td>Adjourn</td>
<td></td>
</tr>
<tr>
<td>5:30 PM</td>
<td>DINNER Informer</td>
<td>Central Prairie Room</td>
</tr>
<tr>
<td>7:00 pm</td>
<td>Free Evening at Iowa State University Gym</td>
<td>open to Nuffield for the evening</td>
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### Saturday, March 16

<table>
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<tr>
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<tbody>
<tr>
<td>7:00 - 7:45 AM</td>
<td>BREAKFAST</td>
<td>Central Prairie Room</td>
</tr>
<tr>
<td>8:00 AM</td>
<td>Nuffield Value: Reciprocity</td>
<td>Presented by France &amp; Zimbabwe</td>
</tr>
<tr>
<td>8:05 AM</td>
<td>Nuffield's Impact on Capacity Building</td>
<td>Dr. Jean Lorie</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>Agricultural Systems &amp; BioEngineering Programs at Iowa State University</td>
<td>Dr. Steve Mickelson, Chairman, Dept. of Agricultural Systems and BioEngineering, Iowa State University</td>
</tr>
<tr>
<td>9:15 AM</td>
<td>Culture: The Key to Surviving &amp; Thriving in any Economy</td>
<td>Bob Sinclair, President, Sinclair Tractor</td>
</tr>
<tr>
<td>10:00 AM</td>
<td>REFRESHMENT BREAK</td>
<td></td>
</tr>
<tr>
<td>10:15 AM</td>
<td>Rounding out the Week</td>
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<tr>
<td>12:00 PM</td>
<td>LUNCH</td>
<td>Central Prairie Room</td>
</tr>
<tr>
<td>1:00 PM</td>
<td>Rounding out the Week - cont’d</td>
<td></td>
</tr>
<tr>
<td>3:00 PM</td>
<td>Adjourn</td>
<td></td>
</tr>
<tr>
<td>5:30 PM</td>
<td>COCKTAILS (cash bar)</td>
<td></td>
</tr>
<tr>
<td>6:00 PM</td>
<td>FINAL BANQUET</td>
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</tbody>
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### Sunday, March 17

<table>
<thead>
<tr>
<th>TIME</th>
<th>ACTIVITY</th>
<th>LED BY / NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30 - 9:30 AM</td>
<td>BREAKFAST</td>
<td>Central Prairie Room</td>
</tr>
<tr>
<td>8:30 AM - 1:30 PM</td>
<td>Global Focus Program Review for GFP Participants</td>
<td>North Prairie Room</td>
</tr>
<tr>
<td></td>
<td>Post CSC Tour departs early afternoon</td>
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</tr>
</tbody>
</table>
KELVIN MEADOWS
Chair, Nuffield International
E: shelley.kelvin@gmail.com

For 20 years, Kelvin Meadows was both a grower of pedigreed seed and the owner/operator of a seed cleaning and export business in Moose Jaw, Saskatchewan, Canada. In 1999, Kelvin and his wife, Shelley, were named Saskatchewan’s Outstanding Young Farmers, and were one of just seven Canadian farm families to be recognized as part of this national program. While remaining an active farmer, Kelvin also spent 10 years as director and chairman of the Saskatchewan Canola Development Commission, giving him exposure to the food processing industry.

After diversifying the family farm in 2008, Kelvin and Shelley moved into value-added food processing through an investment in Avena Foods Inc., a gluten-free oat milling plant where he served as chair for more than 10 years. Kelvin and Shelley currently own and operate a seed crop inspection business and manage the family-owned land development company.

A 2011 Nuffield Scholar, Kelvin studied the factors that contribute to a successful farmer-owned value chain, including farmer investor relations and expectations, as well as plant capitalization, and board/management composition. From 2013 – 2017 Kelvin served as chair of Nuffield Canada, and was named chair of the Nuffield International Scholars board in 2017.

MARTIN DAVIES
External Board Member, Nuffield International
E: mdavies@wgjmlglobal.com

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 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 5 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 was a 2005 Nuffield Scholar and is a member of the Institute of Agricultural Management and the Central Association of Agricultural Valuers.

GEOFF DOOLEY
Chair, Nuffield Ireland
E: geoff.dooley18@gmail.com

In addition to his roles with Nuffield Ireland and Nuffield International, Geoff is also a farmer, owner of Direct Business Support, Chair of Saturn Farms, and CEO of XLVets.

Geoff began his farming career in 1991 and today manages beef, forestry and miscanthus (energy crop) enterprises on four separate holdings in counties Limerick, Tipperary and Clare. He has led a number of businesses in the commercial and environmental technology sectors including a contract cleaning firm, a biodiesel project, a clinical e-learning initiative and a waste plastics recycling enterprise.

In 2010, Geoff was retained to initiate a collaborative network for veterinary businesses which led to the founding of XLVets. Under his guidance, XLVets has become the leading market channel for veterinary products and services to the farmed animal space in Ireland and is widely recognised as a leading knowledge authority on practical veterinary.

In 2011, he founded and secured funding for a sister organization called XLVets Skillnet which provides herd health training and development services to the veterinary and farming sectors in Ireland. XLVets Skillnet was recognised by the Irish Institute of Training & Development as Ireland’s Best Learning and Development network in 2016. Holding a BSc (1st Hons) in Environmental Science, an MBA, an MSc Finance, a Professional Certificate in Training and Development, an Advanced Diploma in Executive Coaching in 2018 he undertook the Senior Executive Programme at the Irish Management Institute.

A 2003 Scholar, Geoff undertook a study titled “Bioenergy; empowering farmers in a globalized economy” He is married to Geraldine and they have three sons, Ian, Conor and Brian.

ANDREW FOWLER
Chair, Nuffield Australia
E: arfowler@bigpond.com

Andrew was elected to the Australian 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 west 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 (SEPWGA) and is also a member of the GRDC’s local Regional Cropping Solutions Network. He travelled on his Nuffield Scholarship in 2000.

CRAIGE MACKENZIE
Nuffield International Board Representative, New Zealand
E: cmackenzie@farmmide.co.nz

Craige 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 1050 cows on 320 ha. 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.

In 2008 Craige was recipient of a New Zealand Nuffield Farming Scholarship with study topic of ‘Understanding our Carbon Footprint in Farming Systems’. In 2013 Craige won the coveted 2013 National Balancy Farm Environment Award. In 2016 Craige was awarded the International Precision Ag Farmer of the Year.

YOLÈNE PAGES
Chair, Nuffield France
E: association@nuffieldfrance.fr

Yolène Pages is interested in agroecology and the role that different farming systems can play in enhancing rural areas, and how these farming systems can become more sustainable, taking in 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 Causses 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’s 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, including terror values. Recently elected as chairman of Nuffield France, she encourages Nuffield Scholars to put France on their agenda.
BRENDON SMART
External Board Member, Nuffield Australia
E: bwsmart@bigpond.com
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, vegetable seed and extensive 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. The business has endeavored to be at the leading edge of technology either as innovators or early adopters. This pursuit would have been less fruitful if not for the global network of Nuffield and Brendon’s constant interaction with it.

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 Patola Farms NZ Pty Ltd and Brimibago Asset Co.

Brendon has lectured at Macquarie University, Sydney, the Rabobank EDP Course on Agri-Business Structures and Human Resource Management, and Fellow 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.

ANNECHIEN TEN HAVE MELLEMA
Chair, Nuffield Netherlands
E: a.tenhave@planet.nl
Annechien ten Have Mellema has together with her husband Menno and son Detmer a pig farm with arable land and biogas production in the north of The Netherlands. They own a special brand named Hamletz. The meat of Hamletz is sold in Dutch retail shops. In their brand Hamletz they focus on three things: sustainability, better life and above all a better taste. The National animal welfare organization granted them two stars of the Better Life quality mark.

Annechien has been the chairman of the Dutch pig farmers association from 2004-2012. She has been vice chairman of the board of KWPN (Royal Dutch Sport Horses). She is a member of the European Expert group on the alternatives of surgical castration of piglets, and the moment she is a member of the board of the local water authority.

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Jean joined the Nuffield International team in a formal capacity in August 2018. She currently works for the organization part-time, serving as the relationship manager. In this role she works with investors, member countries, and Scholars to help promote the Nuffield International program and its growing global footprint. Jean is a 2018 Nuffield International Scholar.

Prior to coming on board with Nuffield, Jean served in a variety of roles in the public and private sectors. Most recently she was the Director of Student Recruitment and Activities for the College of Agricultural Sciences at The Pennsylvania State University. Other assignments include serving as Senior Manager of Marketing Communications for the U.S. Beef Segment with Zoetis; Executive Assistant to the Secretary and Director of Communications for the Pennsylvania Department of Agriculture; Agricultural Career and Technical Education Coordinator for the School District of Philadelphia; Promotional Web Specialist with the U.S. Holstein Association; and Marketing Manager with Farm Journal Media and AgWeb.com

While working on her PhD in Agricultural and Extension Education at The Pennsylvania State University, Jean's research focused on the public value of the Nuffield International program. She has worked closely with the PA FFA Association and PA 4-H program, and is an alum of the PA Rural Leadership (PA RULE) program.

Jean is vice president of the Nuffield International USA board, helped host the 2010 CSC in Pennsylvania (her home state), and served as a CSC facilitator from 2014 – 2017.

In 2018 Jean relocated to the Austin, Texas area. In addition to her work with Nuffield, Jean is co-founder of Paladin Agricultural Consulting Services, a strategic planning and marketing organization focused on providing marketing, leadership, and project management support to agricultural groups.

Jim Geltch handed over responsibility as Chief Executive Officer of Nuffield Australia Farming Scholars on 30th June 2016, a position he has 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 will mean 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 production unit growing processing tomatoes in Victoria.

He undertook a Nuffield Scholarship in 1986 to explore farmer education, advances in irrigation technology and computer-based crop modeling 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.
Australia

**Jodie Dean**

**Chief Executive Officer**

(currently on maternity leave)

E: jodie.dean@nuffield.com.au

Jodie has been Chief Executive Officer of Nuffield Australia since May 2016. She manages all aspects of the annual scholarship program, scholarship investment, corporate partnerships, financial management, governance and Alumni engagement. Prior to Nuffield, Jodie spent three years as Operations Manager at Grain Trade Australia (GTA), where she supported the Board and Technical Committees on issues relating to trading standards, contracts, transport, storage & ports, GM and trade and market access. She also administered the GTA Dispute Resolution Service and coordinated events and communication activities. From 2013-2016 she was Senior Manager - Agricultural Development at the Royal Agricultural Society (RAS) of NSW where she oversaw industry partnerships, education programs and “Youth in Ag” leadership development during the Sydney Royal Easter Show and year-round. Before joining the RAS, Jodie was based in central west NSW in varied roles focused on applied research and extension in cropping and mixed farming systems. This included working across the Grain & Grazing Program, NSW DPI, Lachlan Catchment Management Authority and Central West Farming Systems where she concluded her tenure as CEO.

**Jodie Redcliffe**

**Interim Chief Executive Officer**

E: jodie.redcliffe@me.com

Jodie has been interim CEO since March 2019. She is looking forward to working with alumni, investors and key stakeholders to grow the reach and transformative power of Nuffield in Australian agriculture. Jodie has held numerous positions within the chicken industry for over 10 years: most recently as President of the Australian Chicken Grower Council for the past 18 months. Jodie was also President and Executive Officer for Queensland Chicken Growers Association and sat on the Australian Chicken Meat Federation, the peak body. These roles involved communication activities for chicken farmers, liaising with processors on issues such as feed and contract negotiations and involvement in setting industry policy.

Jodie and husband Wayne operated a commercial broiler farm in Queensland for 27 years. In July 2017, they sold the farm, and purchased their dream property in Northern NSW, an Angus breeder operation and agrotourism venture. Jodie is a 2013 Nuffield Scholar; her Nuffield report was titled “Something to Crow About: What can poultry farmers do to answer consumer perceptions and pressures facing our industry?”

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 since 2015. This role is a passion of Jodie’s, marrying her ability to speak Japanese with her interest in agricultural learning. She is working towards Japan becoming a Nuffield affiliate country in the future.

Canada

**Leona Watson**

**Executive Director, Nuffield Canada**

E: secretary@Nuffield.ca

Leona is the eldest of five daughters raised on their family farm in Northeastern Alberta. At one point Dargis Seed & Feed Ltd. owned and fed 4,000 head of cattle all while managing over 7,000 acres of land, both in pasture and crop. Together they learned the values of hard work, perseverance and gratitude from their parents the late Jean & Joanne Dargis.

Leona graduated from Olds College with a Bachelor of Applied Science in Agribusiness and in 2011 was awarded a Canadian Nuffield Scholarship. This enabled her to study succession planning around the world.

As a new resident of the Yukon Territory, Leona embarks on a new farming adventure in homesteading.

As an international keynote speaker, she shares her global stories of agvocacy and adversity leaving her audiences motivated and inspired. Her newest endeavour has been to take on the Executive Director’s role with Nuffield Canada.

France

**Stéphanie Chanfreau**

**Secretary, Nuffield France**

E: st.chanfreau@gmail.com

An agricultural engineer with a degree in plant production from Montpellier Supagro, Stéphanie 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 (UKN Red list method) before focusing on her passion: tea.

Since 2014, Stéphanie specializes in tea by visiting plantations, factories, and training with producers and specialists abroad, mainly in China. As an ancient culture that goes beyond the borders of agriculture, 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 worked with a collective moved by values from social and solidarity economy to promote art of tea in France.

**Maxime Moinard**

**Treasurer, Nuffield France**

E: association@nuffieldfrance.fr

After several years working in Ivory Coast, Africa (Palm oil, corn seed) and French Polynesia (Dairy, Composting), Maxime came back in 2018 on the family farm, which is a mixed operation producing grains and livestock with 150 Limousine cows, and 400 ha in the Marais Poitevin in Vendée, in the west of France. The farm is constituted of three sites, representative of the local landscapes: dry swamps, plains and woodland meadows. After having built 4,000 m² of photovoltaic panels in 2011, Maxime has the ambition to build an anaerobic digestor running with local manure and waste for local green energy. However, Maxime and his family are always searching new opportunities to develop their profit. They are constantly listening to consumers, searching quality products and environmental preservation. That’s why an organic conversion in the early years is not excluded. The subject of his 2016 Nuffield study was: How to create value from livestock effluents in general, and in particular integration of a methanisation unit on the farm. For his study he visited Scotland, Wales, England, Netherlands, Germany, Canada and USA to research biogas technology, insect farming and algae conversion.

Maxime is married to Alicia and they are proud parents of a 9 months old little girl. They enjoy trekking, traveling, oenology, movies and naturalism.
Ireland

JOHN TYRELL
Executive Secretary, Nuffield Ireland
E: exec@nuffield.ie

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 Honors 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 Organization Society (ICOS), and became CEO of ICOS in January 1990 and continued in that capacity until late 2010. John played an important role in developing the close link between ICOS and Nuffield, and had been part of the candidate selection panel for many years.

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 also 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 programs, and is part of the European network of dairy levy organizations.

Netherlands

DJûKE SMITH - VAN DER MAAT
Director, Nuffield Netherlands
E: info@nuffield.nl

Djûke Smith - van der Maat is a 4th generation farmer in Bunnik, growing apples, pears, plumbs, cherries and she is the only Dutch kiwi fruit grower. The farm also includes a farm shop, education, forestry, a maze maze, horse livery, nature conservation and beef cattle.

A few years after graduating at Wageningen University, Djûke took over the family farm and also started her trading company, buying and selling high quality fruit from selected growers. She stimulates farmers in growing 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 km radius), Djûke is highly interested in farmer-integrated way and sells it under a certification scheme to retail and food services.

Djûke was recognized as being top 3 agricultural entrepreneur of The Netherlands and received the European consumer relations. She is involved in several initiatives stimulating local produce, local farmers cooperating.

Djûke was recognized as being top 3 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.

Djûke is married to arable farmer and Nuffield Scholar Henk Smith and they have a baby girl Maartje.

New Zealand

ANDREW WATTERS
Chair, Nuffield New Zealand
E: andrew@myfarm.co.nz

Andrew has extensive experience at both 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, responsible for 120 staff.

In 1998, Andrew and his wife Alison went 50/50 shareholders milking up to 650 cows. In 2003, they won the New Zealand Sharemilkier of the Year title and Andrew was awarded a Nuffield Scholarship. In 2004, Andrew traveled on his Scholarship studying “Innovation systems to add value beyond the farm gate”. Today they own a dairy farm milking 600 cows on irrigated land in Wairarapa (North Island).

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 services for those investors who want to exit their investment (liquidity has traditionally been an issue with investing in farm syndicates).

The MyFarm team now 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.

Andrew’s passion for agriculture focuses at the intersection of farming and finance.

ANNE HINDSON
General Manager, Nuffield New Zealand
E: annehindson@ruralleaders.co.nz

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

Since taking on the role, Anne has led a review of both programs and bringing into line with industry and participant needs and changing leadership requirements. Collectively the two programs 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, horticulture sectors.

It has been a great learning curve in the primary industry sector as prior to taking on the role, Anne 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.

Anne sits on Boards and advisory groups and is still involved in the delivery of the National Conference for NZ Event Professionals reflecting her strong interest in professional development. She enjoys being able to have a role in the conferences and events for the Trust’s two programs and is currently on the organizing committee of the Nuffield 2020 Triennial Event.

On a personal level Anne has two children Jess (Christchurch-based) and Sam (just moved to Sydney from UK) and a young grandson Arthur. In her spare time she enjoys tennis, the gym, travel and reading & gin’s around the pool with friends.
NUFFIELD COUNTRY EXECUTIVES

United Kingdom

MIKE VACHER
Director, Nuffield Farming Scholarships Trust
E: director@nuffieldscholar.org

Mike has been the Director of the Nuffield Farming Scholarships Trust in the United Kingdom for the past 5 years. He is responsible to the Nuffield Trustees for managing the unique Nuffield scheme of study and personal development in the United Kingdom and its involvement with Nuffield International.

He comes with a lifelong commitment to rural affairs and agriculture at large, as well as the 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 traveled extensively, served in Sierra Leone, Jordan, Hong Kong and Europe as well as visiting USA, Canada and New Zealand and working in international organizations. 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.

At two large UK independent schools he was responsible for all aspects of administration for large charities including their proper business management, statutory compliance and governance.

Mike is an accomplished horseman, who has been Chef d’Equipe for international 3 Day Eventing teams and continues to serve as an active British Eventing and international FEI steward.

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!

Zimbabwe

ROB FISHER
Chair, Nuffield Zimbabwe
E: Farways86@gmail.com

With an agricultural and export background Rob 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 outgrower programs throughout Zimbabwe. In parallel he has established an export flower seed business in Zimbabwe which sources product from up to 1000 contracted small-scale farmers.

Rob graduated with BSc(Agric) and MSc(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 awards were made in Zimbabwe. Nuffield Zimbabwe was put into moth balls with the collapse of the commercial agriculture sector and an economy that rapidly imploded. Rob attended the Nuffield Triennial Conference in the UK during 2017 and came home inspired to rejuvenate Nuffield in his home country.

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 the conservation of African flora and fauna, as well as its diverse wildlife.
Brazil

FABIANO PAGANELLA
Chair, Nuffield International Brazil Advisory Board
E: fabiano@plantecvacia.com.br
Fabiano Paganella is an agronomist engineer and farmer. Besides the farm, he has a consulting company called Plantec AP of which he is a partner and the technical manager. Plantec AP provides precision agriculture services to farmers and has a partnership with Geoagro, an Argentine company, provider of IT, satellite imagery and GIS technology. He works with technical assistance, rural credit and does surveys for agricultural insurance companies and he also advises two seed production and precision agriculture companies.

SALLY THOMSON
Executive Officer, Nuffield International Brazil
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Sally 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 Aurilama-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.

United States

ED KEE
President, Nuffield International USA Advisory Board
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Ed served as Delaware’s Secretary of Agriculture from 2009 to 2017. He began his agricultural career as the Farm Manager for Nassau Orchards (1975 – 1978). He had a thirty-year career with the University of Delaware Cooperative Extension (1978 – 2008), serving as County Agricultural Agent and Vegetable Crops Specialist. 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.

Kee holds three degrees from the University of Delaware: Bachelor of Science in Agriculture (1973); a Master of Science in Plant Science (1975) and a Master of Arts in Liberal Studies (1996). He has authored or co-authored more than 30 articles in peer-reviewed scholarly journals and hundreds of articles in the farm press. He has lectured on agricultural or historical topics across the United States and 8 countries.

While at the University of Delaware, he established leadership programs for young farmers and was key in attracting major food processors to Delaware. In 2010, Kee served as President of the National Association of State Departments of Agriculture. He also created the Delaware Young Farmer’s Program, enabling beginning farmers to acquire their first farm with 0% interest loan for purchase of a farm. Ed has served as President of Nuffield International USA since 2016.

South Africa

WAYNE DREDGE
Nuffield International South Africa
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Wayne Dredge is the owner and Managing Director of Piscari Industries, a small commercial fishing company based in Victoria, Australia that specializes in the production of high value wild caught seafood for both export and local markets. Wayne still spends around six months every year at sea fishing across South Eastern Australia targeting lobster and live fish. In 2014 he was the recipient of an Australian Nuffield Scholarship during which he traveled to over thirty countries studying technological innovation in fisheries and Fisheries management structures.

Since completing his Nuffield Scholarship Wayne has spent considerable time throughout Africa on behalf of Nuffield International organizing agribusiness and study tours, developing an international network for agri-food professionals, assisting in the establishment of a Nuffield Scholarship program for food producers from African countries and raising awareness of the importance of fisheries in relation to global food security.

In 2015, 2016, 2017, and 2018 he was a delegate of the Private Sector Mechanism to the United Nations Committee on World Food Security where he represented commercial fisheries and has advocated for more coordinated and concerted international effort to be directed at youth talent development in agriculture and fisheries.

HLAMI NGWENYA
E: hngwenya22@gmail.com
Hlami is an international development consultant and lecturer, with 24 years’ work experience in global agriculture, food and nutrition security and natural resources. Hlami is a social entrepreneur and serves as a mentor to individuals in agriculture around the world.

A South Africa resident, the 2019 CSC is Hlami’s third conference, and her first time as co-facilitator.
Dr. Simon Appleby is an Australian veterinary surgeon and emerging markets agribusiness professional. Born in the state of Victoria (Australia), 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 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 Vines Foundation.
Shelley grew up on a mixed grain farm near Moose Jaw, Saskatchewan, Canada. She helped on the family farm with cereal production, raising laying hens, hogs and cattle. Eventually, Shelley and her husband, Kelvin, purchased the family farm and operated a seed cleaning and export business alongside.

Shelley owned and operated a provincial crop insurance agency from 1991 to 1996, serving over 500 farm clients. In 1998, Shelley and Kelvin were named Saskatchewan’s Outstanding Young Farmers, and were one of just seven Canadian farm families to be recognized as part of this national program. Shelley served on Saskatchewan’s Outstanding Young Farmers’ executive and later became the National Event Coordinator, helping organize the national program.

After divesting the family farm in 2008, Shelley and Kelvin moved into value-added food processing through an investment in Avena Foods Inc., a gluten-free oat milling plant where Shelley served on the board for more than 10 years.

Shelley and Kelvin currently own and operate a seed crop inspection business, and Shelley is the CEO of the family-owned land development company.

Hlami is an international development consultant and lecturer, with 24 years’ work experience in global agriculture, food and nutrition security and natural resources. Hlami is a social entrepreneur and serves as a mentor to individuals in agriculture around the world.

A South Africa resident, the 2019 CSC is Hlami’s third conference, and her first time as co-facilitator.

Wyn is a 1998 UK Nuffield Scholar and a Trustee on the UK and a Trustee on the UK Nuffield Farming Scholarships Board.

He has extensive experience of facilitation, coaching, training and organizational change, and holds two Masters degrees.

Wyn is delighted to be facilitating the 2019 CSC and looks forward to an intensive activity packed schedule and meeting many more Nuffield Scholars, their guests and hosts.
NUFFIELD INTERNATIONAL SCHOLARS | UNITED STATES OF AMERICA

SUSAN TRUEHART GAREY

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Susan grew up the child of professionals who had no involvement in agriculture other than backyard gardening. As a child, she was fortunate to move nearby a diversified family farm which allowed her to work in and explore agriculture as well as raise livestock of her own. She pursued a degree in Applied Animal Science at the University of Delaware and worked both part time and full time on the University livestock and dairy units and in the equine industry.

Once her degree was complete, Susan was employed by the university as an animal science extension agent for Cooperative Extension. Today she works with both youth and farmers in the field of animal Science and Conservation Management.

Her Nuffield topic will investigate strategies to reduce the water quality impacts of production agriculture and will develop tactics to educate the public about what farmers are doing to improve water quality. Her research will take her to major water bodies of the world, including those in Brazil, Australia, China, and Europe.

Rose lives on a small farm with beef cattle, horses, and her hunting dogs. She serves her community as Vice President of the Iowa County Farm Bureau, President of the Iowa County Pheasants Forever Chapter, and volunteers on the Iowa County Conservation and Bur Oak Land Trust boards. In her spare time, she enjoys hunting, fishing, kayaking and teaching others about the outdoors.

STRATEGIES TO IMPROVE WATER QUALITY IN PRODUCTION AGRICULTURE

Rose Danaher is from Amana, Iowa in the United States of America and is a Watershed Project Coordinator for the Iowa County Soil and Water Conservation District. In this role, she works with farmers and landowners to help them meet their production goals while improving water quality. Her current project addresses a bacteria impairment on a local stream and involves both working one-on-one with producers to reduce runoff and educating the public about agriculture and water quality.

Prior to working in this role, she specialized in land and wildlife habitat management. She attended Iowa State University and Upper Iowa University for Animal Science and Conservation Management.

As a Nuffield Scholar, Rose will explore innovations to reduce spray drift from ground and aerial pesticide application. His intention is travel to countries like China, Australia, Netherlands, Israel, Japan, Canada and USA to understand how they are facing the challenge of using pesticides without environmental damage, getting in touch with farmers who are managing pesticide applications and those who have been impacted by pesticide drift damage. Also exploring the strategies of pesticide producers for pesticide safety application.

As a researcher, Henrique investigates techniques to minimize the negative impact of pesticides in agriculture. But as a Nuffield Scholar, he will create more opportunities to develop his proposal, reaching more people and making a difference for many farmers.

SUSTAINABLE ANIMAL AGRICULTURE

As a Nuffield Scholar Henrique will explore innovations to reduce spray drift from ground and aerial pesticide application. His intention is travel to countries like China, Australia, Netherlands, Israel, Japan, Canada and USA to understand how they are facing the challenge of using pesticides without environmental damage, getting in touch with farmers who are managing pesticide applications and those who have been impacted by pesticide drift damage. Also exploring the strategies of pesticide producers for pesticide safety application.

As a researcher, Henrique investigates techniques to minimize the negative impact of pesticides in agriculture. But as a Nuffield Scholar, he will create more opportunities to develop his proposal, reaching more people and making a difference for many farmers.

NUFFIELD INTERNATIONAL SCHOLARS | BRAZIL

HENRIQUE B.N. CAMPOS

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Henrique Campos is from Brazil, living in Ribeirão Preto, São Paulo. He was born in Tupaciguara, Minas Gerais and his family was always involved in agriculture as small farmers.

Henrique is an agronomist, trained at Goias State University. He did his Master’s and PhD in the Sao Paulo State University, and during his PhD he had the opportunity to do an internship at the University of Nebraska Lincoln (USA). He is a researcher and consultant working with pesticide application technology in a company named SABRI Sabedoria Agrícola. SABRI was idealized by Henrique in 2015 and consists of a group of PhD students, researchers, and professors sharing information for free by different ways (YouTube, Facebook, WhatsApp, LinkedIn and website).

As a Nuffield Scholar Henrique will explore innovations to reduce spray drift from ground and aerial pesticide application. His intention is travel to countries like China, Australia, Netherlands, Israel, Japan, Canada and USA to understand how they are facing the challenge of using pesticides without environmental damage, getting in touch with farmers who are managing pesticide applications and those who have been impacted by pesticide drift damage. Also exploring the strategies of pesticide producers for pesticide safety application.

As a researcher, Henrique investigates techniques to minimize the negative impact of pesticides in agriculture. But as a Nuffield Scholar, he will create more opportunities to develop his proposal, reaching more people and making a difference for many farmers.

FAMILY SUCCESSION AND CONTINUANCE IN AGRICULTURE

OllavoQueiroz Tinôco is a 28-year-old agronomic engineer living in Guarantã, Northwest from the State of São Paulo, Brazil. He is the operational manager of his family farm, where they produce eggs, sugar cane and beef cattle. He is the third generation of farmers along with his sister who just started to work with the operation. The family has a history of more than 70 years in agriculture.

Before coming back home, Ollavo worked in two different companies. The first one was a consultancy company related to business administration in agriculture, focused on family governance. After that he worked for a trading firm in the soybean exportation chain. Both jobs were important to help him create a strong background and experiences for the responsibilities of his current job, including team management and planning activities.

Ollavo's Nuffield study topic is family succession and continuance in agriculture. His current job is strongly related to this topic in many areas, right now, for having two generations working together. In the past a good succession plan was the main reason for our business being able to be efficient and grow. During his study travels, Ollavo wants to discover the different cultures, economies and laws from the countries that he is visiting and try to find similarities that improves success.

Ollavo intends to visit countries with a lot of difference in culture and economy from his home country. China, Israel, USA, Australia, Netherlands, UK, Italy and Spain are some of his travel goals.

NUFFIELD INTERNATIONAL SCHOLARS | CHILE

ALLAN COOPER

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Allan is from Santiago Chile, living in Temuco (south of Chile) for 10 years now. He studied business administration with a major in finance, but ended up working as a farmer. Allan is married and has three daughters.

Allan worked with his dad for 6 years until he quit (although he notes that his dad thinks he fired him) and started work as an entrepreneur related to the commercialization of the products he knew how to grow.

His Nuffield study topic focuses on learning the best fruit alternative productions for the south of Chile, which due to its water, soil and climate change conditions have promising conditions for the development of fruit production (particularly organic production). He has a company where he trades mainly potato and other vegetables to public school providers and has a walnut export business starting.

In addition to his GFP travels, Allan intends to visit New Zealand, Oregon and Washington state for climate similarities, as well as Italy, China, Turkey and India for market possibilities.
NUFFIELD INTERNATIONAL SCHOLARS

CONTEMPORARY SCHOLARS CONFERENCE | 2019

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RENÉE ANDERSON

HIGHLIGHTING BETTER MANAGEMENT PRACTICES TO IMPROVE AND COMMUNICATE THE SOCIAL, ENVIRONMENTAL, AND ECONOMIC SUSTAINABILITY OF AGRICULTURE

Renée Anderson, an irrigation farmer from Emerald, Queensland, receives a Nuffield Scholarship with support from Cotton Australia and the Cotton Research and Development Corporation (CRDC).

Renée’s research will focus on highlighting better management practices that not only improve the social, environmental and economic sustainability of agriculture, but also clearly communicate positive farming practices to consumers and drive broader community support for the industry.

Renée grows mixed irrigated crops, including cotton, chickpeas and popcorn, across her 455 hectare operation. She also works one day a week as the Central Highlands Regional Manager for Cotton Australia.

Having worked in agronomy for 20 years, Renée has observed many barriers to effective adoption of better environmental management practices and consumer communications, and is motivated to research strategies to overcome these barriers.

“Urban and rural communities alike have a keen focus on environmental, welfare and sustainability issues, and these issues can directly impact farm management and consumer purchasing decisions,” Renée said “Building the capability of our industry to demonstrate the benefits of modern agriculture, and drawing connections between practices, communication and social license for the industry is critical.”

Renée will meet with experts in agricultural research and communications throughout Europe, the United States and Canada on her study tour.

RESEARCHING MODERN TECHNOLOGIES THAT CAN BE INCORPORATED INTO BEEF PRODUCTION SYSTEMS TO INCREASE THE RATE OF GENETIC GAIN AND ENHANCE KEY PROFIT DRIVERS

Rebecca Comiskey, a beef producer from Central Queensland, receives a Nuffield Scholarship with support from The Yulgilbar Foundation.

Rebecca will be using her scholarship to research modern technologies that can be incorporated into beef production systems to increase the rate of genetic gain and enhance key profit drivers such as fertility, market compliance and production efficiencies.

Her experience as a co-operator of Melton Grazing, an 8,300 hectare cattle business near Alpha, has seen Rebecca focus on rigorous breeder management, marketing and improving the eating quality of progeny sold with several niche market accreditations including MSA, Grasslands, Organics and European Union.

While her focus has been running a profitable business, Rebecca also holds a philosophy of working with nature and using cattle to improve soil and water health, and is keen to discover emerging methods for improving the productivity and sustainability of beef businesses.

“If we can’t measure it, we can’t manage it, and I am excited by the benefits open to producers through technologies like genomics, that can provide information on hard to measure traits and enable more targeted seedstock selection,” Rebecca said. “I’m looking forward to exploring beef production methods around the world and learning more about the opportunities that better data and modern technologies can bring to our industry.”

Researching businesses that are experiencing rapid genetic progress to meet breeding objectives, Rebecca will travel to Ireland, South America, the United States and South Africa.

EXPLORING WAYS MERINO CAN ONCE AGAIN BECOME A PROMINENT FEATURE OF THE AUSTRALIAN FARMING LANDSCAPE

Anthony Close, a mixed livestock producer from Culla, Victoria, receives a Nuffield Scholarship with support from Australian Wool Innovation (AWI) to research ways that the Merino can once again become a prominent feature of the Australian farming landscape.

Anthony works on his family farm, running 7,000 self-replacing Merino ewes to produce wool, prime lambs and breeding rams. Anthony’s family also run a large cattle operation, comprising a commercial Red Angus herd and Red Angus and Senepol stud cattle.

Acknowledging the shrinking size of Australia’s sheep flock throughout the past 20 years, Anthony said his focus will be researching the range of factors that have caused this reduction, comparing the industry with those overseas to gain a better understanding of what makes progressive industries grow and prosper.

“In 1992 the national sheep flock was 150 million head, and produced 4.75 million bales of wool. In 2018, the flock is 70 million head, and will produce 2 million bales,” Anthony said.

“Cropping, on the other hand, has grown from 12 million hectares planted to 19 million hectares planted.”

“Given the impact that this reduction in flock numbers has on both sheep meat and wool production, it’s important to understand how we can reverse this downward trend in order to secure the sustainability and relevance of the industry.”

Anthony’s research will take him to New Zealand, South Africa, Uruguay, the United Kingdom and the United States as he investigates ways that the Merino can once again become a prominent feature of the Australian farming landscape.

RESEARCHING THE EFFECT THAT A RANGE OF WELLBEING FACTORS BEFORE, DURING, AND AFTER TRANSPORT CAN HAVE ON THE PRODUCTION VALUE OF CATTLE

Alistair Corr, a cattle producer from Moura, Queensland, receives a Scholarship through his Northern Pastoral Scholarship, supported collectively by Australian Agricultural Company, Consolidated Pastoral Company, Elders, North Australian Pastoral Company and S. Kidman & Co.

A desire to investigate the correlation between better animal wellbeing and objective, measurable production traits will see Alistair use his Nuffield Scholarship to research the effect that a range of wellbeing factors before, during and after transport can have on the production value of cattle.

Alistair manages a 12,100 hectare corporate aggregation turning off around 1,200 steers and 1,000 heifers each year, as well as running his private herd of around 250 cattle. As both the owner of a small scale trading operation and manager of a large intensive grazing, backgrounding and breeding business, Alistair sees huge potential for productivity and wellbeing outcomes to improve simultaneously.

“The measures that producers take to look after their animals are rarely discussed and there have been few attempts to quantify the benefits of better welfare practices,” Alistair said.

“By researching international best practice and objectively quantifying the benefits of animal wellbeing in terms of weight, fertility, or productivity, we can have a more structured and robust discussion around how to improve animal wellbeing outcomes and make a clear case for the benefits of doing so.”

Seeking to learn more about both subjective and objective animal wellbeing assessments, Alistair will travel throughout Western Europe, where livestock producers operate in a well-developed animal wellbeing framework, and then across North America, Canada and South America where he will explore the data driven feedlot industries.

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EXPLORING EXISTING AUSTRALIAN FEEDLOT ANIMAL WELFARE PRACTICES AND INVESTIGATING HOW INDUSTRY IMPROVEMENTS CAN BE BETTER COMMUNICATED TO STAKEHOLDERS

Thomas Green of Tintinara, South Australia, receives a Nuffield Scholarship with support from Rabobank.

Thomas will research ways to build consumer confidence in intensive agricultural systems through implementing best practice in animal welfare. His research will focus on two key areas - existing Australian feedlot animal welfare practices and an investigation of how industry improvements can be better communicated to stakeholders.

As the General Manager of Thomas Foods International’s Iridana Beef and Southern Cross Rural operations, Thomas oversees the operation of a 17,500 head feedlot and 15,000 hectare farming and backgrounds property running 1,400 Angus cows.

“Animal welfare is very topical across all animal production industries, and I think it’s important that we look outside the industry to find examples of businesses that have improved practices and then gone on to successfully enhance consumer understanding to ensure acceptability and sustainability of their industry,” Thomas said.

“Comparing what we do in Australia with other intensive industries globally will reveal practices that can help our industry become more sustainable and profitable for all stakeholders.”

Thomas will travel throughout North America and Europe as he seeks to better understand how intensive agriculture is conducted on a large scale in the United States and by world leaders in animal welfare practices in Austria, Switzerland, Germany and the Netherlands.

HOW THE HORTICULTURE INDUSTRY CAN INCREASE OUTPUTS WHILE REDUCING INPUTS AND FARMING SUSTAINABLY

Christina Kelman is an organic horticulture producer from Wallacia, west of Sydney in NSW and receives a Nuffield Scholarship supported by Hort Innovation’s Vegetable Levy.

Motivated by the need to produce more with less, Christina will research ways the horticulture industry can increase outputs while reducing inputs and farming sustainably. She’ll also be investigating the role that experimentation and innovation can play in achieving this in the organic horticulture industry.

Working and managing her family’s business, Rita’s Farm, Christina grows certified organic leafy greens, legumes, citrus, root vegetables and fruit-bearing crops including tomato, zucchini, capsicum and eggplant over 15 hectares.

As a vertically integrated business, Rita’s Farm participates in wholesaling, farmers markets, online delivery and supermarket supply, requiring Christina to grow large amounts of produce across up to 100 lines at any one time.

“Running an organic farm means we constantly have to be in touch with the requirements of our consumers, scale our market garden production and reduce our inputs and costs wherever possible,” Christina said.

“I’m looking forward to researching innovative ways that producers can do more with less, and how we can grow sustainable urban food production into the powerhouse it can be for the Sydney market and beyond.”

Christina will use her Nuffield Scholarship to travel throughout Europe, the Netherlands, India and Canada as she researches innovative and productive sustainable food systems.

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

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

Kerri-Ann will research 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 look 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 will visit the large-scale potato processing nations of the Netherlands and the United Kingdom, as well as operations across other parts of Europe.

EXPLORING BEST PRACTICE REGENERATIVE FARMING SYSTEMS ACROSS THE WINE SECTOR TO UNDERSTAND HOW TO SUCCESSFULLY TRANSITION FROM MORE CHEMICALLY INTENSIVE MODELS

Richard Leask from McLaren Vale, South Australia receives a Nuffield Scholarship with support from Wine Australia.

Richard will research best practice regenerative farming systems across the wine sector in order to understand how to successfully transition from more chemically intensive models. He will explore the key drivers that initiated transitions, the role and availability of education and training and any associated impacts on farm management and resourcing requirements.

Richard owns and operates a 75 hectare family vineyard in McLaren Vale. He also provides viticultural management services to a number of premium wine brands, and is co-owner of Hither and Yon, a dynamic wine label that produces around 10,000 cases per year.

“Increasingly, we are seeing a shift towards more sustainable and less chemically-reliant systems in wine production in Australia and internationally,” Richard said.

“Sustainable practices benefit the wine sector in many ways, including reduced chemical use and providing a deeper understanding of vineyards, plants and soils and an exciting, authentic story to take to Australian and international markets. In these times of change, it’s important that we find and implement the best systems and approaches to transition that we can.”

Richard will visit leading wineries and agricultural businesses around Australia and New Zealand, as well as the United States and France as he conducts his research.

UNDERSTANDING HOW TO SUCCESSFULLY TRANSITION FROM MORE CHEMICALLY INTENSIVE MODELS

Exploring existing Australian feedlot animal welfare practices and investigating how industry improvements can be better communicated to stakeholders

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

Exploring best practice regenerative farming systems across the wine sector to understand how to successfully transition from more chemically intensive models

Understanding how to successfully transition from more chemically intensive models
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ELLEN LITCHFIELD
nuFFIELD SCHOLAR

AUSTRALIA (CONT'D)

INVESTIGATING WAYS TO REALIZE THE OPTIMAL VALUE OF NORTHERN AUSTRALIAN TIMBER INVESTMENTS.

Frank Miller from Rapid Creek, Northern Territory, receives a Nuffield Scholarship supported by ANZ and the Northern Territory Government. Through his research, he will investigate ways to realize the optimal value of Northern Australian timber investments.

Having worked extensively in Australia's forest and timber industries, Frank is CEO of African Mahogany Australia, where he oversees the largest plantation of its kind in the world, in addition to running a substantial fodder cropping operation in the Northern Territory.

Frank's study program will specifically focus on African mahogany plantations and examine how diversification can benefit investment, as well as identify emerging market opportunities for the product, both in Australia and abroad.

“The African mahogany industry is showing great promise here in the Northern Territory. My research aims to increase knowledge for the industry by exploring ways to enhance value through smart land-use management, especially during the plantation’s growth phase,” he said.

“On my travels, I plan to visit a range of plantations in the Asia-Pacific region as well as Brazil, which is rapidly becoming a hub for African Mahogany plantations, and where integrating land uses, such as various food crops and grazing beef cattle within plantations, are being developed.”

“On return from my Nuffield study tour, I look forward to sharing my learnings and recommendations to help improve the investment decision-making process regarding African mahogany plantation development.”

INVESTIGATING INNOVATIVE HOUSING METHODS TO PROMOTE THE GROWTH OF AUSTRALIA’S FREE-RANGE EGG INDUSTRY.

Thomas Moore from Tenterfield, New South Wales, receives a Nuffield Scholarship supported by the Royal Agriculture Society of NSW Foundation (RASF). Through his research, he will investigate innovative housing methods to promote the growth of Australia's free-range egg industry.

Together with his wife, Thomas owns and operates a free-range egg business, which runs 8,000 layer hens and produces around 3,500 dozen eggs per week, in a modern and open group 'colony' system split into four ages.

Currently, the free-range egg industry is faced with several key challenges. The most notable of these are rising production costs and a changing public perception of what it means to be truly free-range. This has prompted Thomas to pursue global research for the betterment of the entire industry.

“There is a lot of debate on the stocking density of free-range, which is currently 10,000 birds per hectare. It’s a key sticking point for industry and the public alike. As such, I’d like to look into a housing system that not only keeps our birds happier, but also provides reassurance of animal welfare to customers.”

“For the scholarship, my focus will be largely on Europe and the UK as the world leaders in cage-free egg production and alternative housing systems. Having access to this knowledge will not only help accelerate my business, but the industry more broadly.”

THE IMPACTS OF CLIMATE CHANGE ON RED MEAT PRODUCTION AND PROFITABILITY IN ARID AND SEMI-ARID RANGELANDS.

Ellen Litchfield from Marree, South Australia, receives a Nuffield Scholarship supported by Westpac Agribusiness. Through her research, Ellen will investigate the impacts of climate change on red meat production and profitability in arid and semi-arid rangelands.

Ellen is a third-generation farmer from the northern pastoral area of South Australia. Together with her family, they run an organic production system with 5,000 predominantly Angus cattle and 10,000 Dorper sheep.

Currently completing her master's in sustainable agriculture, Ellen is passionate about bridging the knowledge gap between leading research institutions, producers and industry bodies on the effects of climate change, and delivering solutions for a stronger, more sustainable red meat sector.

“On farm, we face very unpredictable rainfall patterns which means innovation has to be a key part of our business. The effects of climate change are being realized and it’s becoming increasingly important to research ways of ensuring resilience in this changing environment.”

“Through my Nuffield Scholarship, I hope to link in with the Australian Beef Sustainability Framework and focus on key priority areas such as consumer confidence, managing climate risk and profitability across the value chain, and deliver these findings to industry bodies and producers on my return.”

Ellen will also investigate the resilience of red meat producers against production barriers and how the industry’s journey towards a more sustainable future is being conveyed to the consumer in order to meet changing ideologies and demands.

On her study tour, Ellen will travel to Sub-Saharan Africa, which has a similar climate to northern South Australia, as well as the United States, Brazil and New Zealand, to investigate best practice examples across the red meat sector with a focus on organic production methods.

HOW TO ADVANCE AUSTRALIAN CHERRY PRODUCTION, MOST NOTABLY POST-HARVEST PACKAGING AND HANDLING PROCEDURES.

Jake Newnham from Campania, Tasmania, receives a Nuffield Scholarship supported by Woolworths. Through his research, he will investigate how to advance Australian cherry production, most notably post-harvest packaging and handling procedures.

Located in Tasmania’s picturesque Coal River Valley, Jake is Orchard Manager of the family’s owned and operated cherry and apricot business, which produces up to 175 tonnes of fruit every year on a site totaling 23 hectares.

Jake’s scholarship will focus on cherry production in one of the world’s premium growing areas in Chile, where cherry producers have advanced in leaps and bounds from a technological point of view.

“Cherry producers in Chile grow and handle fruit with the added challenge of a 20 plus day journey to market destinations in Asia. Even with the significant transport time, their fruit arrives in very good condition, which I believe is something Australian growers could learn a lot from,” he said.

“Chile and Tasmania share similar climatic conditions, as well as export markets. Unfortunately, we’re faced with much smaller margins here in Australia, so I’m looking to unearth new techniques that could improve our fruit quality while retaining the premium price bracket.”

“On farm, we’re producing up to 100 tonnes of cherries per annum, which we want to double and largely export in the next ten years. Looking longer term, the plan is to take over as Director of the business, and the Nuffield Scholarship provides me with an invaluable platform to meet leading producers and develop professionally.”

As part of his research, Jake will travel to several key growing regions in Chile, most of which are located to the south of capital, Santiago, in a province called Maule. He will also visit key cherry production areas in the United States and Canada.

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INVESTIGATING HOW FARM SENSORS AND THE ‘INTERNET OF THINGS’ (IOT) CAN IMPROVE THE EFFICIENCY AND PROFITABILITY OF CROPPING AND MIXED FARMING ENTERPRISES

Andrew Sargent from Crystal Brook, South Australia, receives a Nuffield Scholarship supported by the Grains Research & Development Corporation (GRDC). He will investigate how farm sensors and the Internet of Things (IoT) can improve the efficiency and profitability of cropping and mixed farming enterprises.

A fifth-generation farmer with an eye on the future, Andrew runs a continuous cropping grain enterprise comprising wheat, barley, lentils, canola and oats. He has built this business across 2,000 hectares of owned and leased land about 200km north of Adelaide.

As someone who cares for and manages the land, Andrew is particularly focused on how new sensor technologies can allow for better weather observations and inform the decision-making process when it comes to climate variability, as well as reduce staff costs and monitoring times.

“To increase the scale of our operation, we'll need to utilize new technologies to bolster current practices. There’s a lot of interest from Australian farmers in sensor technology, but we’re lacking the knowledge and confidence to implement it successfully on farm,” he said.

“Through my research, I plan on traveling to the Netherlands, which is leading the way in the rollout of IoT networks currently used for smart city and environmental monitoring, as well as leading research institutions in Europe and agtech start-ups in the United States.”

“Sensor technology opens up a host of benefits for the food and fibre supply chain, from grains right through to livestock and viticulture. I look forward to presenting my findings to industry, which I hope will provide insights that farmers can use to collect more regular and accurate data to inform decision-making.”

INVESTIGATING GLOBAL SOIL AND PRODUCTION MANAGEMENT STRATEGIES, FOCUSING ON THE THREAT OF SOIL ACIDITY TO WESTERN AUSTRALIA’S BROADACRE INDUSTRY

Johanna Tomlinson from Kalgan, Western Australia, receives a Nuffield Scholarship supported by the CBH Group. She will investigate global soil and production management strategies with a focus on how soil acidity has become a significant threat to Western Australia’s broadacre industry.

Together with her husband Wayne, Johanna runs a third generation family business, Tomlinson Agricultural, on 4,000 hectares situated on the south coast of Western Australia. The enterprise produces prime lambs, wool, beef and broadacre crops such as barley, wheat, lupins and canola.

Soil health and improving overall grower understanding of soils is a key priority for Johanna, who hopes to assess global soil acidity and management techniques on her scholarship. She will also investigate how different lime sources and supplies are being managed around the world.

“Having worked in farming and natural resource management for almost 20 years, I believe soil acidification is a critical issue for the sector and, quite frankly, a sleeping giant. It’s impacting on current production and will have dramatic impacts if a long-term plan is not put in place,” she said.

“Soil acidity is an issue we are working to manage on our own farm, but we also recognize the need for further and continued lime applications around the region to ensure that lime can be applied at the rate required to recover and maintain production capacity.”

“I see the outcomes of my Nuffield Scholarship being delivered back to our community on the south coast through grower and natural resource management groups. I would also like to see the findings incorporated into current and future work on soil acidity throughout Western Australia.”

On her study program, Johanna intends to visit broadacre regions with similar farming systems south coast through grower and natural resource management groups. I would also like to see the findings incorporated into current and future work on soil acidity throughout Western Australia.

ALTERNATIVE PACKAGING OPTIONS AND SHELF-LIFE OUTCOMES FOR FRESH PRODUCE

Natasha Shields from Baxter, Victoria, receives a Nuffield Scholarship supported by the William Buckland Foundation. She will investigate alternative packaging options and shelf-life outcomes for fresh produce in the current drive to minimize the use of plastics in Australia’s retail environment.

Natasha and her husband own a Certified Organic Vegetable growing business that spans 190 acres across three properties in Victoria and New South Wales. The business employs 25 full time staff and sells a wide range of organic produce to retailers and wholesalers, as well as key overseas markets.

She believes that the community – particularly her organic customers – are increasingly concerned about current packaging options, and are demanding material that’s biodegradable or has a minimized impact on the environment, while at the same time extends the shelf life of the produce.

“The fact is that good looking vegetables on a shelf sell, whereas tired and dehydrated or wilting produce is either marked down or thrown out, which results in fewer sales for the retailer and fewer orders for growers like us.”

“Despite plastic extending the shelf life of organic produce, our broad customer base is telling us they want another solution. Through my research, I hope to uncover new materials being utilized by companies and producers around the world, and bring those learnings back home.”

On her Nuffield Scholarship, Natasha will travel to countries in Western Europe and the United States to explore their advanced organic retail markets, and to key export markets such as China, Singapore and Dubai.
ALTERNATIVE FUEL SOURCES AND ENERGY SOLUTIONS FOR AUSTRALIA’S AGRICULTURAL SECTOR

Tamara Uebergang from Miles, Queensland, receives a Nuffield Scholarship supported by the Sylvia and Charles Viertel Foundation. Through her research, she will investigate alternative fuel sources and energy solutions for Australia’s agricultural sector.

Having trained at Marcus Oldham, Tamara is the farm manager at her family’s property, Berwyndale Pastoral. The operation grows a rotation of cotton, wheat, chickpeas, sorghum and mung beans, as well as a small herd of cattle. Berwyndale co-exists with resource extractions, most notably CSG, and has engaged with various energy companies for more than 20 years. Tamara said this interaction has yielded many great lessons, compromises and mutual benefits.

“As farmers, it is our responsibility to ensure judicious use of such finite resources and to conduct a thorough investigation of sustainable approaches to farming,” she said.

“Compounded by public discussion and media headlines, I’m interested in exploring alternative energy sources such as solar, waste to energy and hydrogen. Currently, our biggest farm expenses include diesel and synthetic fertilizer – and I believe that there must be another way forward.”

“Farmers work hard to maintain a social license through continued engagement and best practice management. I look forward to visiting the UK and Europe, where the renewable energy market is booming, as well as India, which is a key customer for our cotton and chick pea industries.”

GRAZING RUMINANTS: A RESILIENT SOLUTION FOR LONG TERM AGRICULTURE PROFITABILITY, PRODUCTIVITY, AND CLIMATE CHANGE

Ryan Boyd from Forrest, Manitoba, Canada with his wife Sarah, two children, Piper (four) and Bingham (one), and parents, Jim and Joanne. He obtained a Bachelor of Science in Agriculture at the University of Manitoba in 2005.

Ryan manages South Glanton Farms, including 2000 acres of annual crops, 1600 acres of perennial forages and 300 beef cows. Ryan has been implementing planned high stock density grazing, cover crops and intercropping on their no till farm for several years.

“When cattle are added to the cropping system the opportunities to increase diversity and resilience of the system are tremendous!” Grazing ruminants provide many benefits to the agroecosystem including improved nutrient cycling, promoting soil microbial life and enhancing the soils ability to sequester carbon.

Ryan plans to seek out new and novel ideas to bring grazing ruminants into the cropping system. The benefits that grazing ruminants have on the soil’s carbon balance and inherent productivity will be explored. Ideas will be developed on how to maximize the positive impacts that grazing ruminants have on the agroecosystem here in Canada.

Ryan hopes to travel to Argentina, Paraguay, Australia, France, UK and the United States while studying. Ryan’s scholarship is sponsored by the Western Grains Research Foundation.

DISCOVERING BUSINESS MODELS AND STRUCTURES THAT CAN CREATE GREATER ECONOMY OF SCALES FOR SMALL TO MID-SIZE FARMERS AND POTENTIAL BARRIERS TO ADOPTION

Mark lives in rural Ontario, Canada just outside the small town of Hensall, approximately 2 hours west of Toronto. Mark and his wife, Sandi, have two teenagers, Jackson and Jessica. Mark has a BSc in Agriculture with an Agronomy minor. He and Sandi over and operate a 1600 acre grain and oilseed farm and also have 500 head of sheep.

Using the distilling, brewing, and wine industry, investigation will be done to determine contributing factors of success in transition from start-up businesses to growth phase businesses.

John currently is living with his wife and two of their four children on the outskirts of Saskatoon, Saskatchewan. After completing university John began broad acre grain farming until 2010, when they moved closer to Saskatoon to start a new farming operation.

During his farming career he was also involved in the retail farm supply sector for a number of years. John was named Canada’s Outstanding Young Farmer in 2001, and was selected by the University of Laval and the University of Saskatchewan to undergo advanced leadership training throughout the Americas.

The Cote’s new farms, Black Fox Farm and Distillery, focuses on using their own ingredients in the creation of high quality gin, liqueurs and whiskey. He is actively involved in his new industry as president of the provincial association of artisanal wine and spirits producers and sits on the board of directors of the Saskatchewan Food Industry Development Centre. A desire to see Canada’s food processing sector grow and prosper is a key part of John’s Nuffield studies.

Using the distilling, brewing and wine industry as models, investigation will be done to determine contributing factors of success in transition from start up to growth phase businesses.

Correlation will be attempted to find similarities in other small secondary food processing companies. The focus of the study will be on marketing strategies and ownership/governance models.
INCREASING SOIL HEALTH AND STIMULATING SOIL BIOLOGY

Scott Holtman created Holtman Farms Ltd. to operate his family’s farming business. The farm is situated in Taber, Alberta, Canada, one hundred and fifty kilometers east of the Rocky Mountains. The operation is a fourth-generation business that primarily grows seed crops using irrigation water from the mountain snow melt. They grow canola seed, alfalfa seed, malt barley seed, and potato seed, and also manage leaf cutter bees for pollination and run a commercial cow/calf operation.

Scott is interested in exploring ways to build healthier soils that could have multiple benefits and help any farm around the world. These include better water infiltration, increased disease, and pest resistance and better mineralization of nutrients already found in the soil. “In today’s marketplace, consumers are advocating for healthier food and are requesting where and how their food is grown. If we as primary producers can be proactive and lead the charge in showing the end consumer we are focused on growing the healthiest and best produce in the world, this will directly translate into more sustainable and profitable businesses.”

Scott intends to travel and explore ideas in Europe, South Africa, Australia, New Zealand, and the USA.

EXPLORING THE INTERSECTION OF MEAT QUALITY, ANIMAL WELL-BEING, AND ENVIRONMENTAL BEST PRACTICES

Yannick Laban is an Aberdeen Angus breeder in the southwest of France, in the production of organic systems since 2006. The idea of his study is to create, by crossing, a rustic cow able to calve alone, eat only grass, resist disease, easy to handle and able to produce a good marbled meat rich in omega-3 and tender for a culinary pleasure. All this in respect of the animal and minimizing the impact on the environment, storing carbon against global warming through the association of plants. For this, he wants to meet breeders who practice miscegenation to benefit from the effects of heterosis. Breeders who only grow meadows of several associated species without pesticides with little synthetic product, for happy and healthy animals. Farmers who drive their herds in hostile environments and therefore use the cross as a genetic cow adapted to hostile environments. Livestock production is accused of polluting but he thinks it is possible to produce in the respect of animals and the environment because herbivores are an integral part of the ecosystem. He knows that in countries like the United States, Canada, New Zealand, Australia and certainly other countries, farmers are practicing this and have acquired knowledge that he would like to learn. He will then, put into practice on his farm and, of course, share this knowledge with other French breeders.

YANNICK LABAN
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EXPLORING THE INTERSECTION OF MEAT QUALITY, ANIMAL WELL-BEING, AND ENVIRONMENTAL BEST PRACTICES

Elsa Ménard has worked on her family farm — located south east of Bordeaux — producing organic wines since 2012.

Her project concerns the development of organic wine production in France. She is convinced about organic production, but she also sees limitations to the present system such as: high fuel consumption, the use of copper and sulphur-based products, the increase in working time and therefore higher costs of production. She is part of the new generation of wine producers in Bordeaux, a historic wine region with an important place in the agricultural economy. However, the region is currently lacking inspiration and needs new concepts for a successful future. Thus, her project aims to identify the agro-environmental and ecological approaches in the most advanced foreign vineyards, as well as different alternatives that could provide possible options to produce wines in a healthy and sustainable way.

The purpose is, beyond her personal investment, to share what she learns in her studies and observations in a handbook listing innovations and initiatives under three main headings: grape production, wine making and marketing. Hopefully, this will show wine producers who have ambitions to move forward and produce differently, whether convinced about organic production or not, what are the possibilities that are open to them.

ELSA MENARD
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STUDY PROGRAM AND POLICY SUCCESSES FOR RECOGNIZING ECOLOGICAL GOODS AND SERVICES (EGS) AND WHAT CAN BE DONE TO DEVELOP SUCCESSFUL POLICY AND PROGRAMS TO HELP CONSERVE BIODIVERSITY ON FARMS AND RANCHES IN CANADA

Christoph Weder
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Christoph grew up on a dairy farm but always had endeavors to be a rancher. After high school he headed to the University of Alberta and graduated in 1993 with a BSc in Agriculture.

Three years later Christoph completed a MSc Oregon State University. In the fall of 1996 he started working for Alberta Agriculture as a beef specialist and completed a PhD in animal science. He also began working towards his goal of ranching. In 1999 he met his future wife Erika and they were married in 2001. The couple now have 3 boys and 1 daughter aged 14, 13, 10 and 8. Erika and Christoph operate Venator, Sunset & Spirit View Ranches with a total of 1,800 purebred and other French breeders.

Christoph is interested in exploring ways to build healthier soils that could have multiple benefits and help any farm around the world. These include better water infiltration, increased disease, and pest resistance and better mineralization of nutrients already found in the soil. “In today’s marketplace, consumers are advocating for healthier food and are requesting where and how their food is grown. If we as primary producers can be proactive and lead the charge in showing the end consumer we are focused on growing the healthiest and best produce in the world, this will directly translate into more sustainable and profitable businesses.”

Christoph intends to travel and explore ideas in Europe, South Africa, Australia, New Zealand, and the USA.

EXPLORING THE FUTURE OF ORGANIC WINE PRODUCTION

What future for organic wine production? A graduate from the agricultural school of Purpan, Elsa Ménard has worked on her family farm · located south east of Bordeaux · producing organic wines since 2012.

Her project concerns the development of organic wine production in France. She is convinced about organic production, but she also sees limitations to the present system such as: high fuel consumption, the use of copper and sulphur-based products, the increase in working time and therefore higher costs of production. She is part of the new generation of wine producers in Bordeaux, a historic wine region with an important place in the agricultural economy. However, the region is currently lacking inspiration and needs new concepts for a successful future. Thus, her project aims to identify the agro-environmental and ecological approaches in the most advanced foreign vineyards, as well as different alternatives that could provide possible options to produce wines in a healthy and sustainable way.

The purpose is, beyond her personal investment, to share what she learns in her studies and observations in a handbook listing innovations and initiatives under three main headings: grape production, wine making and marketing. Hopefully, this will show wine producers who have ambitions to move forward and produce differently, whether convinced about organic production or not, what are the possibilities that are open to them.

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Alison Holmes has been running a small professional beekeeping farm in the Limousin area since 2016. An agricultural graduate, she worked as an agronomy teacher and is now involved in training professional farmers. Through many readings and travels, she has developed a strong interest in farming systems involving insects. Insects may be farmed for the services they provide or for themselves, to be used as food, feed, dyes etc. They are an extremely underutilized, yet a very efficient and low-impact animal source. Besides, many insect species are able to convert materials not suitable for human nutrition – or even waste.

Despite these evident qualities, the various commodities they procure, beside pollination, are often ignored in the design of farming systems. Insect farming is quite common in Southeast Asia or Latin America, but is only beginning to be explored by the industrialized world. In France, where insects are too often associated with economical losses, and eating insects remains uncommon, there is a need for educational programs to facilitate the emergence of insects as a valuable resource in agriculture.

Chloé Pellerin is planning to travel to Southeast Asia, Latin America, the USA and Europe.

Chloé has been running a small professional beekeeping farm in the Limousin area since 2016. As a beekeeper, she has focused on the development of a professionalized beekeeping system, which includes the training of beekeepers.

Despite these evident qualities, the various commodities they procure, besides pollination, are often ignored in the design of farming systems. Insect farming is quite common in Southeast Asia or Latin America, but is only beginning to be explored by the industrialized world.

Despite these evident qualities, the various commodities they procure, besides pollination, are often ignored in the design of farming systems. Insect farming is quite common in Southeast Asia or Latin America, but is only beginning to be explored by the industrialized world.
WHAT DIRECTION SHOULD EUROPEAN AGRICULTURAL SUPPORT TAKE TO BEST SUPPORT ACTIVE IRISH FARMERS?

Patrick O’Mea is married to Siobhan and grew up on a mixed enterprise farm (sheep, beef & tillage) in Tipperary. He took over the farm in 2006 and in 2014 he converted the farm to dairying. Since converting Patrick has expanded his dairy operation through leased land and contract rearing of replacement stock. He is the incoming Chairman of the Greenshoots discussion group.

After Patrick completed his Agricultural Degree in 1999, he joined AIB and worked in their Strategic Development unit on Business and Agricultural Policy / initiatives. In 2005, Patrick took up the role of Agricultural Advisor, dealing directly with farming customers and is based in AIB Nenagh.

Patrick’s study will investigate: What direction should European Agricultural Support take to best support active Irish farmers? While there is a large variation between individual sectors, market supports make up a large portion of farm income in Ireland. “Recent CAP reforms have made some adjustment, but I believe that there is a missed opportunity to better support active farmers in Ireland.”

Patrick intends to travel to the USA, Europe, Japan, and Africa and will look at a range of concepts to try to overall increase the impact of the CAP budget for Irish farmers.

FUTURE PROOFING THE IRISH AGRI-FOOD SECTOR THROUGH ROBUST RESEARCH

Karina Pierce grew up on a sheep and suckler farm in Co. Wicklow. Married to Denis, they have two children, Niamh and Conor. Karina graduated with a BAgSc in 2001 and completed her PhD in animal nutrition in 2005, both from UCD. She is currently Associate Professor of dairy production in UCD and coordinates the UCD/Teagasc degree programmes in Dairy Business and the Professional Diploma in Dairy Farm Management. She worked as an animal nutritionist with Brett Brothers in Kilkeny for two years before returning to UCD. Karina was a member of the Teagasc Authority 2013-2018 and was also President of the Agricultural Science Association in 2011/12.

Karina’s research topic ‘Future Proving The Irish Agri-Food Sector Through Robust Research’ aims to evaluate if the future needs of the Irish agri-food industry are being addressed through current research. She passionately believes that research, and investment in research, is critically important for the continued growth of the agri-food sector in Ireland. Research is important, not only as a driver of innovation, but to ensure that we can be proactive, rather than reactive, with evidence-based responses for consumers of Irish produce on important issues as required. Topical issues at present include the impact of agriculture on the environment, animal welfare, human health concerns etc. However, there may be other issues that are not receiving sufficient attention currently and may become key issues for consumers in the coming years.

It is of interest to know where research funds are being focused in other significant agri-food countries and major food companies, to learn more about contributions of private industry internationally to research and development and how private industry interacts with public funding bodies in other countries to ensure the best independent research is available to farmers and the wider industry. During her Nuffield, Karina plans to travel to China, Brazil, Australia and Ireland to research and development and how private industry interacts with public funding bodies in other countries to ensure the best independent research is available to farmers and the wider industry.

SUCCESSFUL COLLABORATIONS AMONG FARMERS WITH THE AIM TO IMPROVE THE POSITION OF FARMERS IN THE CHAIN AND HIGHER RETURN OF INVESTMENT FOR THE INDIVIDUAL FARM

Ingrid Jansen from the Netherlands has an involvement in the pig farm (1200 sows and 5000 fatteners) of her parents in the south of the Netherlands. In addition, Ingrid lives with her partner Eric Pelleboer on an arable farm in the Noordoostpolder, central of the Netherlands (potatoes, onions, sugar beet, wheat and chicory).

At a young age, Ingrid already knew that she wanted to fight for a better future for our farmers. She decided then that the path to success was to achieve this goal through politics. This choice has guided her career path, both in the study of Public Administration and her jobs in the (semi) public sector in civil society organizations.

Ingrid has always managed to combine her two big passions: agriculture and politics. She worked as a policy officer in the European Parliament, Ministry of Finance and the Dutch Parliament. Then Ingrid became chair of the Dutch Pig Association and the Dutch Producers Organizations of Pig farmers.

Currently, Ingrid works as director for a rural foundation in the eastern part of the Netherlands. Through her involvement in the pig farm of her parents and in the arable farm of her partner, she sees that her family and partner are working very hard year-round for and with their animals and crops without knowing what they are paid for their product. This is the reason why her research focuses on successful collaborations among farmers with the aim to improve the position of farmers in the chain and a higher return of investment for the individual farm.

EXPLORING VERTICAL CHAINS FROM PRODUCER TO SUPERMARKET AND FACTORS THAT DETERMINE SUCCESS WITHIN THESE CHAINS

Bas is from the Netherlands and lives in Flevoland, an agricultural area. He is married to Adinda and they have a beautiful daughter, Anna.

Bas has a master’s degree in Agricultural Management and Economics. In his daily profession he works with Sjaak Twisk on the organic arable farm “Twisk.” They grow all kinds of products, but organic garlic and onions are the most important. Both products are sold via their own sorting and packing station domestic and abroad. Bas likes to work in close cooperation with his customers in order to deliver what they want in a consistent fashion; he believes if the customers are happy, then he is also happy because together they are building the food chain.

This also relates to the topic of his Nuffield study. Bas is interested in examples of companies that work in close cooperation with chain partners within exclusive vertical (food) chains – from producer to supermarket. What determines success within these food chains?

Bas intends to visit Sicily, Italy, North European countries, and the United States. In the end, he is very open minded, and he wants to see what the CSC brings regarding new country insights.
SMART FARMING IN THE PIG INDUSTRY

Ruth van der Haar from Collendoorn together with her husband has a closed business with 240 sows and finisher pigs and 18 hectares of land. The finisher pigs are kept at 2 other locations on rental basis. All pigs are kept according to the Sustainable Pork Value Chain (KDV) with an antibiotic-free Life Guarantee. This means that all piglets get a chip in their ear from birth and that an antibiotic treatment is recorded using an app. The father and the mother are also known.

For 4 years they have been working with chips in the ears of the piglets. A lot of data is recorded for these animals. This gives insight into your own animals and their development. Later this was introduced at slaughterhouse Westfort. They have further taken up the project and set up the concept of “Antibiotic-free Live Guarantee.”

As a result, overview of the recorded data can be displayed and analysis can be made. This is still under development. What data do I need from my individual animals to ensure robust pigs that grow with the least possible intervention? This brings the failure costs back to your company without losing sight of the welfare of the animal. By recording data digitally as much as possible, no mistakes are made and it is easier to analyze.

Following the CSC, Ruth would like to visit pig farms in the US using ear tags to capture and manage data. Her travels will also include a visit to France.

HOW SHOULD OUR BUSINESS MODEL FOR DAIRY FARMING BE DESIGNED TO COMPREHEND A TRANSITION THAT BRINGS THE PARADOX OF PRODUCTION AND THE ENVIRONMENTAL EFFECTS ON THE CLIMATE TOGETHER?

Pieter van der Valk is a relatively young dairy farmer (35) from Frisian Ferwoude. Together with Jacob van der Valk (father) he operates a dairy farm with 120 cows, where the rental of apartments is combined with dairy farming.

Pieter is married to Lian and together they have three beautiful daughters. Pieter and his father are orienting to make the production more sustainable. Therefore, they created an area with the objective of providing an optimal habitat for meadow birds, while maintaining the agricultural core. The basic principle is that it is for rural use, but with restrictions that are providing the meadow birds a habitat so they can maintain.

Off the farm, Pieter works as a manager of innovation at AB Vakwerk. He is responsible for realizing innovation and optimizing of the operational model. The combination of this interest and background makes him eager to develop a sustainable dairy business model in a world that is continuously changing.

Pieter’s study is focused on this principle: How should our business model for dairy farming be designed to comprehend a transition that brings the paradox of production and the environmental effects on the climate together.

EARNINGS MODEL FOR SUSTAINABLE AGRICULTURE WITH NATURE

Jeroen van Wijk runs a dairy farm in Odijk (near Utrecht), the Netherlands. In 2014 he took over control from his parents, on which his family has been living and working since 1908. The farm consists of approximately 115 dairy cows, 70 young stock and numerous other animals. The land on which the farm operates stretches approximately 56 hectares and is used for growing grass and crops serving as nutrition to the farm’s cattle. Additionally, the farm serves as a platform for educational courses to about 25 primary school classes from around the area.

Jeroen is also occupied with agricultural nature preservation and is a volunteer to meadow bird population conservation. Lastly, Jeroen is active on an executive level in the LTO (A Dutch agricultural organization) that represents the interest of stakeholders in the agricultural sector.

During his education Jeroen decided to succeed his parents and to further develop the farming business at this location. At that time, the business was predominantly focused on efficiency and maximizing total production.

Nowadays, Jeroen has shifted towards a more socially responsible and sustainable business model while simultaneously further automating day-to-day activities. Jeroen strongly believes social responsibility and sustainable production is the future, especially in a densely populated area such as the Netherlands. He notices that the system in its current form does not sufficiently adhere to these standards.
NEW CROPS FOR THE NETHERLANDS

Willem Voncken was born in 1992, in the South of the Netherlands, also referred to as the “Dutch Hills”. Together with his parents Willem runs an arable farm. Until 2006, it was a dairy farm managed by Willem’s father. At a young age Willem was determined to run the farm, however, his passion was agriculture and not dairy. Willem and his parents have made over the years the switch with a positive view to the future. After finishing the agricultural school in Belgium, Willem worked as a freelance for a few years at other farms and a gardening company. Willem challenges himself to get out of his comfort zone in order to keep on learning. Six years ago, he had the idea to start growing potatoes and onions. This was the beginning of a new chapter, one that was focused on trials with new kinds of crops. Crops which existed, but to Willem and his parents they were all new at the time, so there was a lot to learn. As a young entrepreneur Willem had to take many hurdles in order to keep growing. But his interest and passion for the future of the world and agriculture made him determined. In 2018 Willem started to grow Soya, a cultivation only used in a very low scale in The Netherlands. Besides Soya he is doing trials with peanuts. This is a cultivation currently not used at all in The Netherlands. However, due to Willem’s high interest in the climate change and the effect of that on agriculture, he is constantly thinking about the future and potential possibilities. However, due to Willem’s high interest in the climate change and the effect of that on agriculture, he is constantly thinking about the future and potential possibilities.

PROVENANCE ATTRIBUTES IN FOOD

Cameron owns and operates a 750 cow dairy farm near Oxford, North Canterbury. With degrees in engineering and finance he has worked in a range of dairy industry roles including time with Fonterra and DairyNZ. A trainee in music, golf, snowboarding, flying and Te Reo, Cameron enjoys learning and giving anything a go. A partner and kids are still on his future goals list. Alongside overseeing farming operations, Cameron currently commits much of his time to the Waimakariri Zone Committee in setting local environmental limits and to representing farmers as North Canterbury Federated Farmers Provincial President. “All farmers will benefit from adopting the latest innovative practices on farm and encouraging others to do the same. The faster we can encourage farming to evolve, the less regulatory and public pressure we will have to endure”. Finding the factors that increase the speed of innovation adoption among farmers is a key interest for Cameron. Cameron hopes to investigate international scenarios where farmers have shown rapid adoption of new technology, ideology and systems to discover what the key factors were in innovation uptake. European farmers are faced with similar rates of change in the agri-community as New Zealand so would be a great place to start. The more variety in farming communities the more variety in the ideas and possible answers so South America, the Middle East and South East Asia are high on the list of countries to visit.

INCREASING THE SPEED OF INNOVATION ADOPTION BY FARMING COMMUNITIES

Corrigan lives in the small rural community of Golden Bay with his wife Ruth Guthrie and their two sons Wylie (7) and Tim (5). He is a partner and manager of the family’s dairy farming business alongside his parents and brother Sam. Corrigan is a graduate of Massey University with a Bachelor of Applied Science, was a former Consulting Officer with DairyNZ and Farm Consultant with FarmRight in Canterbury. Alongside managing their 400ha dairy farming business, Corrigan has several off-farm roles. He is Chair and Independent Director of the South Island Dairy Development Centre (SIDDC) which operates the Lincoln University Dairy Farm. He is also Deputy Chair of the DairyNZ Dairy Environmental Leaders Forum, an initiative to foster and strengthen environmental stewardship and community leadership amongst New Zealand Dairy Farmers.

Farming practices that strengthen the integrity of the food produced is something Corrigan wants to better understand including how can we give our farmers better market signals about the value they are creating in their production systems, especially inside a large cooperative. As a supplying member of a large cooperative, he wants to understand what actions farmers can influence that create provenance within their food. Can large cooperatives recognize individual supplier led actions that influence provenance and specifically reward for this?

INTERNATIONAL TRADE RELATIONSHIPS, AND MARKET DIVERSITY AND UTILIZATION

Ben was raised on his family’s Wairarapa hill country sheep and beef cattle farm. He is now based in Wellington working for Beef + Lamb New Zealand, still near the farm and often back home to work. After working in research and conservation roles in New Zealand, USA and Panama, Ben completed his PhD investigating eco-system services. Ben worked for the Ministry for Primary Industries in biosecurity policy before joining Beef + Lamb New Zealand. Currently, Ben is a senior agricultural analyst in Beef + Lamb New Zealand’s Economic Service, with a focus on the production, exports and dynamics of export markets of sheep and beef sectors. This work is used to inform production and price forecasting, and other reports back to sheep and beef farmers and the wider sector. He has observed in this role that there are “traditional” sheep markets that New Zealand does not use to a great extent and what some of the factors are that limit the utilization of these markets. New Zealand’s agriculture is export focused and improving the diversity of markets can help to minimize volatility and maximize highest value outcomes. There are markets that have traditionally used sheep products that may be under-utilized by New Zealand.

A comparison with established markets would highlight where challenges are to accessing a wider range of customers – such as northern Europe, USA, UK and China; with southern Europe, India; and potentially within the MENA region.
NEW ZEALAND (CONT’D)

Hamish is a 5th generation, intensive arable farmer from Methven in the South Island. Hamish, wife Jessica, three children, Lucy (5) Margot (3) and Jonty (1) farm Bluff Station a 13000 ha High Country property in Marlborough, South Island NZ. He completed an agricultural degree at Lincoln University NZ, Economics at Cambridge University (UK), and work with the New Zealand Merino Company, before returning home to farm in 2008. Hamish has been managing the farming operation including sheep, cattle and a recent diversification into bee keeping and honey production. He is also on the governance board for the Post Quake farming group helping with recovery from the November 16 Kaikoura Earthquake and a production science group for the New Zealand Merino Company.

Hamish has a real focus on people and relationships and is planning to investigate how the differences in environment, education and culture have shaped the values of our consumers and employees. Recognizing and understanding how these values have been formed and vary between culture and generations is key to the success of our marketing efforts being a small export led country.

He aims to search out those organizations in our key export markets for wool, meat and honey which are engaging consumers and understand what is making them successful.

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**THE POWER OF THE MICROBIOME TO PRODUCE HAPPY, HEALTHY PIGS**

Claire grew up on a dairy farm in the Scottish Borders and has always been driven to find information and solutions to agricultural challenges. The agricultural industry has so much potential and she is constantly inspired by the ability of farmers, their persistence and commitment to survive change – all parts of why she enjoys working in the industry. Claire’s role as Knowledge Exchange Manager at AHDB has given her the opportunity to visit farms all over the UK seeing how the network thrives, especially when information can be shared. She has also been fortunate enough to travel and meet growers across the world. Her focus is mostly to promote the Scottish seed industry, but she sees so much great practice and integration she would really like to explore how we could make changes to reach the potential of UK agriculture. Her most recent experience was to the World Potato Congress in Peru, where Claire learned a huge amount especially exposure to counties the UK doesn’t trade with regularly, predominantly African and South American countries. The barriers to trade tend to be in pricing and support is available through World Bank funding to develop varieties which are free to grow, however like in any potato supply chain access to good quality seed is difficult and information and knowledge of the quality of seed is limited.

**CONNECTION IN SEED POTATO SUPPLY CHAINS**

Claire is passionate about reconnecting consumers with the countryside around them, to show how hedges are laid, what other species live on the farm, what they grow, how it’s a cyclical operation, and where food comes from in general.

Away from work, Chris enjoys sketching and design, walking in the Yorkshire Dales and Scotland, traveling to new places abroad and time with his black Labrador, Jess.

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Awards for Excellence in Food and Agriculture: United Kingdom (Cont’d)

Understanding Varieties, Husbandry Techniques and Best Practice in the Commercial Cultivation of Elders for the UK Elderflower Processing Industries

Alice is a Food Scientist experienced in a variety of technical roles in food manufacturing, including product and process development, food safety and quality management in both consumer and ingredient food and drink businesses.

The majority of her career has been based in SMEs, where sensory quality and distinctiveness are essential. Most of Alice’s roles have involved working collaboratively with ingredient suppliers and growers, to source high quality, interesting and authentic products in a sustainable way and she is a firm believer in the value of integrated food supply chains. Flavor and sensory science are two of her specialties, and much of her experience is in the field of drinks and juices.

Alice now works at the University of Nottingham in the Enabling Innovation Team, which supports local Food and Drink SMEs with food science consultancy, translating scientific knowledge and principles into a usable form for business.

Alice first entered the world of elderflowers in 2006, when she carried out a knowledge transfer project for one of the key processors of fresh elderflower in the UK and wrote a thesis about the links between elderflower processing conditions and flavor in drinks. From that moment on, Alice was captivated by people’s love for this quintessentially British flavor, and whilst her career moved on to other products, she has continued to collect information about elders over the years and has maintained links within the elderflower industry which has developed over the years into her offering specialist consultancy services within this area.

Alice lives in Melton Mowbray, with her partner, Adrian, and most of her spare time is spent working on her perennial garden or allotment.

Feeding for Health, Combating Antimicrobial Resistance

Mark grew up on a mixed dairy and suckler cow farm in County Fermanagh, where his family continues to farm. He attended Portora Royal School, Eniskillen and then studied veterinary medicine at University College Dublin, graduating in 2002. He worked in three veterinary practices in County Tyrone and Armagh, where his focus was on herd health and routine farm visits.

To further his knowledge in herd health, he completed a post-graduate certificate in dairy herd health from University College Dublin in 2012. After working for a year in the pharmaceutical industry, he completed a PhD researching the nutritional influences on immunity in the transition dairy cow, with studies conducted at Agri-Food and Biosciences Institute, Hillsborough in conjunction with Queens University Belfast. Mark currently lives in Moira, County Armagh.

Since 2016, Mark has been working as Technical Manager for Trouw Nutrition Ireland. He supports and trains a team of field-based animal nutritionists and works closely with the marketing team to provide technical input in press releases and adverts. Mark provides veterinary and nutritional support to the feed mill business partners and also direct to their farmers. He is also responsible for projects with universities on future research and on-farm applications to make a practical difference on farm.

Mark would like to thank his colleagues at Trouw Nutrition for their encouragement in his project. His thanks go to the Thomas Henry Foundation for sponsoring his Nuffield Scholarship and Joleen’s support. Mark really appreciates the generous sponsorship to enable this amazing opportunity and endeavor to find practical on-farm nutritional solutions to increase the health of cattle on UK farms.

How Can a Greater Focus on Key Profit Drivers Be Facilitated by Automation and Innovation in Grass-Based Systems?

Sam was born and bred in Hampshire and is happy that the farm in the South Down National Park is home to he, his wife Anna and their 2 sons, Henry and Angus. He also considers himself lucky to have a Kiwi mother, has been very lucky to spend a lot of time in New Zealand and he hopes this has given him an outward view on life.

After his degree at Harper Adams in 2003, Sam went pig farming before joining the family business in 2009 as a herd manager for his father on a tenanted farm, with an autumn calving, cross bred herd. In 2016 this herd was merged with his father’s spring calving herd to allow the latter to take his pension – meaning Sam and Anna are now farming 380 cross bred cows, with the young-stock on farm too.

Sam enjoyed rugby right through school and university, and he now loves watching Henry and Angus as they come through the ranks of tag and mini rugby. Anna and the boys are also trying to teach Sam to dingy sail, which the family loves doing in the summer (despite Sam’s self-professed lack of skill in a boat) and they also love to go down to Cornwall with their dogs in the Land Rover and roof tent every summer.

Sam is most grateful to the Nuffield Farming Trust and the Elizabeth Creak Charitable Trust for sponsoring him and breathing new life into his career.

What Role Should Young Farmer Groups Play in Shaping the Future of British Agriculture?

Penny grew up on her family farm in Fife, before studying at SAC in Edinburgh then Aberdeen. The majority of her working life has been spent at the Scottish Association of Young Farmers Clubs (SAYFC), initially as Development Manager coordinating the proficiency testing service of the Association along with SAYFC projects.

In 2009 Penny took over as Chief Executive of the Association. In early 2018 she was very fortunate to take part in the Worshipful Company of Farmers “Challenge of Rural Leadership” Program. The program gave her the focus and motivation to apply to become a Nuffield Scholar.

Out with work, Penny’s time is spent with her family. They have two young daughters, so time is spent at dance classes, getting muddy in the garden and other adventures.

Penny would like to thank Nuffield Farming Scholarship Trust, and the Royal Highland and Agricultural Society of Scotland and the Agricultural for their support.
Sarah is extremely grateful to the Yorkshire Agricultural Society and Worshipful Company of Farmers for generously sponsoring her Nuffield Scholarship and she is very much looking forward to her Nuffield journey.

Grace is most grateful to AHDB for generously sponsoring her Nuffield Scholarship and she is very much grateful to the generosity of her sponsors for this amazing opportunity.

Ensuring the Veterinary Profession meets the Needs of Livestock Agriculture Now and in the Future

John is a specialist cattle vet working at Nottingham Vet School in a teaching focused role. He is also a board member of the British Cattle Veterinary Association and currently chairs their education group. John lives in the East Midlands close to Sutton Bonington.

John is originally from Cornwall and worked in a mixed and farm animal veterinary practice in the South West after graduating from Bristol Vet School in 2008. He joined the team at Nottingham Vet School in 2011 to undertake his specialty training (residency) and has stayed on as a clinical assistant professor in farm animal health and production.

John’s main area of expertise is dairy herd health and he has a particular interest in lameness and reproductive performance in dairy herds. He is also passionate about training the next generation of farm vets and is a Fellow of the Higher Education Academy. Out of work he enjoys being outdoors walking or cycling and occasionally goes climbing.

John would like to thank all those who are supporting him with his project. John’s partner Katie and his employer – the University of Nottingham School of Veterinary Medicine and Science (especially his colleagues in the ruminant population health group).

John would particularly like to thank The Trehane Trust for sponsoring his scholarship and for the support they have already shown at this early stage.

Farmer to Farmer Knowledge Exchange: Relevance, Challenges and Future Direction

Growing up on an arable farm in Oxfordshire, Vicky loved farming but also had a passion for horses. Her degree combined both. International Agriculture and Equine Business Management at the Royal Agricultural University.

After graduating Vicky focused on agriculture where she could see the increasing importance of conservation. After a short period at the Environment Agency she started working on agri-environment schemes for the Farming and Rural Conservation Agency. After a number of name changes, Vicky now works for Natural England. After 14 years on farms negotiating and supporting farmers with their agri-environment agreements she moved to a national role.

Vicky currently jointly project manages a pilot looking at an alternative approach to agri-environment: Payment by Results. Originally EU funded, Defra are funding a 2-year continuation as a trial for the Environmental Land Management scheme. Being involved with the pilot and getting to work with a group of inspiring farmers is truly rewarding to Vicky.

Vicky is married to a vet with two children, she loves gardening, walking and being outside. She is a trustee of an environmental charity: Wild Oxfordshire which encourages collaborative working between environmental organizations. She is also involved in managing a field to encourage the local school to learn about farming and wildlife. Vicky completed the Worshipful Company of Farmers Challenge of Rural Leadership course in 2018 before applying for a Nuffield Farming Scholarship.

Being awarded one is a dream come true and she is extremely grateful to the generosity of her sponsors the Central Region Farmers Trust and the Nuffield Farming Scholarships Trust for this amazing opportunity.
THE FUTURE OF PRECISION POULTRY FARMING AND STRATEGIES TO ENSURE BEST POSSIBLE ANIMAL WELFARE

James grew up on a small hill farm in North Devon, on the foothills of Exmoor. He now lives nearby with his fiancée Katie and their Labrador, Henry. After leaving school, James studied Mathematics and Computer Science at Bristol University, before joining an engineering consultancy as a graduate engineer. Whilst at this consultancy, he completed a Master’s degree in Transportation Planning & Engineering.

James returned to his roots and joined the family poultry enterprise in 2015. The family have been in the poultry sector in some form since 1955 and have been producing fertile hatching eggs for the poultry meat industry (known as Broiler Breeders or Parent Stock) since 1981. He is now responsible for the management, operations and development for their farms, so no pressure!

Before deciding to apply for a Nuffield Farming Scholarship, James spent twelve months as a part of the 2018 cohort of the NFU’s Poultry Industry Program. This program was interesting and insightful, and one he would highly recommend to anyone in the poultry industry.

James is very grateful to the two sponsors of his Nuffield Scholarship, The Three Counties Agricultural Society and McDonald’s Restaurants, for this fantastic opportunity and looking forward to embarking on this exciting journey.

ACHIEVING EXCELLENCE IN UNIVERSITY AND COLLEGE FARMS. IMPLEMENTING BEST PRACTICE FROM HOME AND ABROAD

James always wanted to be a farmer; his memories of accompanying his grandfather around the farm he managed are engrained in his mind. Despite the best efforts of his grandfather to persuade him to take up a different career, James attended Wye College to study Agriculture which he followed up with an MSc in Agricultural Economics.

After leaving Wye, James joined ADAS as a Farm Business Consultant, where he developed a client base of farms taking on the Farm Manager role. After a move to another company his largest client asked him to go full time so he took over the management of The Montreal Estate in Kent. James took the estate through two restructurings, it’s sale, and was part of the start of a major reinvestment program.

After this James moved up to North Yorkshire where he and his wife have taken on the tenancy of a 300 acre farm. The farm is arable and grassland with a holiday cottage, fishing lakes and a large environmental stewardship scheme, and is now home for James, his wife, and their two young children. Since taking on the tenancy they have become LEAF Marque certified and introduced a mixed low input arable/sheep system fitting around their environmental objectives. He and his wife run the farming business in partnership while James is also Director of Farming at Newcastle University.

Since joining Newcastle University, James has started to restructure the farms to improve the commercial performance. He is also improving how the University uses its farms both in terms of education and research.

James enjoys inspiring and motivating others to choose farming as a career and to seek to play a role in the future of the industry so he is pleased to be involved with Newcastle University and delighted to take up the opportunity offered by his Nuffield Scholarship.

THE CIRCULAR FARM. MINIMIZING INPUT FOR MAXIMUM OUTPUT IN A MIXED FARMING SYSTEM

Having been raised on a small organic farm in East Cheshire which his parents ran alongside their professional careers, Charles’s passion for agriculture was sparked from a very young age. The farm was a family affair and the long-standing sentiment for conservation and sustainability shown by his parents is something Charles continues to strive for in his work.

Upon leaving school, after a year working on farms and traveling in Australia and New Zealand, he studied agriculture at The University of Reading and graduated in 2010. Both experiences he thoroughly enjoyed.

Charles is now the arable manager for Grosvenor Farms LTD, a mixed dairy and arable enterprise on the outskirts of Chester. His employment with Grosvenor started as part of a graduate trainee-ship in 2011, progressing to management in late 2014. His responsibilities cover management of the combinable and forage cropping on the farm, agronomy, staff, machinery and nutrient management, in short, all the farming operations involved in growing combinable crops and at each ‘end’ of the cows on the 3,500 head dairy enterprise.

Charles lives on the farm with his partner Rebecca and two charismatic dogs, a Labrador and a Dachshund. Some of his free time is spent training one of them as a gun dog, the other spends its free time escaping into the surrounding fields and chasing anything with a pulse. A wannabe engineer, he has restored various vehicles over the years; he is currently attempting to convert a 1968 series II Land Rover to electric, when time and funds allow. He is privileged to be sponsored by the NFU Mutual Charitable Trust and would like to thank them for this fantastic opportunity.

TURNING BRITISH DAIRYING OPTIMISM INTO COMMERCIAL REALITY - IDENTIFYING AND EXPLOITING POST BREXIT DAIRY EXPORT MARKETS

Having grown up on a family dairy farm in South West Scotland, it was always Richard’s ambition to return home to progress and drive forward their farming operation. Since returning home to farm six years ago, alongside his brother, they have doubled their productive land area and quadrupled milk output through developing a progressive and forward-thinking dairy farming business.

After graduating from the University of Edinburgh in 2011, with a first-class degree in Structural Engineering, Richard grasped the opportunity to work and travel in New Zealand and Australia. Working on a large, processor owned, ‘Kiwistyle’ dairy unit in Canterbury, New Zealand, during their busy calving and breeding season allowed him to develop great insight into the opportunities and challenges which exist for New Zealand’s dairy farmers, processors and exporters.

Travel, agriculture, rugby, skiing and bagpiping are all passions of his, and through the years Richard has been fortunate enough to combine these, allowing him to visit many regions of the world such as South America, USA, Canada, China, Syria, New Zealand and Australia, as well as many corners of Europe. The Nuffield experience will allow this list to grow whilst developing his personal knowledge of various global dairy markets as well as delivering benefit to the wider British agricultural industry.

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**NUFFIELD INTERNATIONAL SCHOLARS**

**UNITED KINGDOM (CONT’D)**

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E: duncan.williams@kiteconsulting.com

**HOW TO GET THE WHOLE UK DAIRY INDUSTRY USING ANTIBIOTICS RESPONSIBLY**

Duncan grew up on an arable farm in Essex but very quickly knew a career in livestock was for him. He graduated from the Royal Veterinary College, London, keen to learn as much as he could about the dairy industry on an international stage. He completed a year's internship at the University of Illinois, then moved into private dairy practice in South Island New Zealand where he spent two and a half years working as a primary vet on farms ranging from 150 to 5500 cows. A fortunate connection to Penn University landed him a two-month consulting position on a large Chinese dairy farm. This was an eye-opening experience and is where Duncan realized the power of consultancy medicine. He left determined to move in this direction full time.

Duncan returned to the UK and joined Kite Consulting in 2015 and now splits his time between nutritional consultancy in the South West of England, and national farmer training programs with retailers and processors. The recent focus of this training has been prudent Antibiotic use and benchmarking, as a reaction to the increasing demand the entire industry is under to reduce AB use.

**ZIMBABWE**

**INTEGRATED PEST MANAGEMENT (IPM) BEING A SUSTAINABLE FUTURE FOR GLOBAL AGRICULTURE**

Philip Weller was born on 14th of September 1972 in Harare, Zimbabwe. He attended St. Johns Preparatory School in Harare and went on to Peterhouse Secondary School near Marondera. In 1991 he went on Operation Raleigh to Alaska. He did his BSc. Agric at University of Natal majoring in horticulture and chemistry. He studied under Professor P. Allan for his 4th year papaya project. He did his Master's degree in agriculture (horticulture) at University of Natal, under Professor B.N. Wolstenholme. He studied effects of vapor heat treatment on 'Hass' and 'Fuerte' avocado with a view to extending storage life.

Phil returned to Zimbabwe end of 1997 to help run the family cut flower business. In 2002 he started Tonsberg Farming, a vertically integrated export cut flower business. With the need for a more sustainable future for the flowers, a relationship was developed with Dudutech. Dudutech is a biological supplier and part of Flamingo Horticulture, based at Lake Naivasha, in Kenya. Philip developed an integrated pest management approach for his flower project. Tonsberg now sells biological products from Dudutech to mainly horticultural exporting companies. This has led to his desire to do his research project on IPM being a solution for sustainable global agriculture.

In 2004, Phil married Bronwyn Osborn from Kwaazulu Natal, from a farming family. They have three lovely children David, Robert and Pippa. Phil has a passion for the great outdoors and is most happy with a fly rod in his hand.

**PHILIP WELLER**
E: pwtt@yoafrica.com
PATRICK DUDLEY
E: Patrick.Dudley@texasagriculture.gov

Patrick is a fifth generation Texan, born and raised on his family’s registered Hereford ranch in Comanche. He is still active on the family ranch when he is not traveling as the Coordinator for Agriculture Commodity Boards and Producer Relations for the Texas Department of Agriculture (TDA). In this role, Patrick serves as the liaison between TDA and 15 different producer organizations. Patrick has served as part of the TDA team for nearly ten years, holding several different positions in the agency that saw him working across local, state, and federal government programs. In addition, he has extensive experience within the Texas government system. He worked with the state’s Department of Public Safety, and worked as a legislative director and then chief clerk for the Texas House of Representatives Committee on Elections in the State Legislature. Patrick uses his Legislative and Agency experience to advocate for producers across the state of Texas. Outside of work, Patrick is active with the Texas and Southwestern Cattle Raisers Association (TSCRA), is an alum of the Texas Agricultural Lifetime Leadership (TALL) XV Cohort, and a former city councilman for the city of Elgin. He is an active student in martial arts, and can also be found working on restoring a 115-year-old ranch house or rebuilding and finding parts for the classic cars he owns.

ANNA FUJITA
E: aoifujita@yahoo.co.jp

Anna 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. Anna 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 there was although Japanese industry are overall sophisticated and looking for internationalization, there is one exception, agriculture. At the same time, however, Anna realized potential of Japanese agriculture; high productivity, latest technology, highly-qualified seeds and nursery. In order to enforce Japanese agriculture and let herself be a member of strong agriculture, Anna changed her career and since June 2016 she has been working for Farmship Inc., which develops and runs five and more 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, external relationship management. As a part of Nuffield network, Anna is willing to share the “reality” of Japanese agriculture to members for deep understanding and would like to contribute to develop future agriculture leaders from Japan.

MARK GLOVER
E: mark.glover@csiro.au

Mark is a soil scientist from CSIRO (Commonwealth Scientific and Industrial Research Organization) Soils and Landscapes Program. He was successfully nominated for sponsorship by CSIRO’s Agriculture and Food Business Unit.

Growing up and working on a fourth generation, 10,000 head self-replacing, fine-wool enterprise at Bowning (via Yass) in New South Wales, Mark appreciates the challenges confronting Australian agriculture.

Mark has experience mapping the spatial distribution of soil properties and landscapes in all states of Australia and in several countries of south-east Asia. His capability includes relating soil forming processes to yield and biomass potential, in various farming systems.

Gaining a deeper understanding of soil sensing technology, and its relationship to soil mapping and soil moisture dynamics, will be a focus of Mark’s Nuffield study.

Mark has a receptive network of advisors and growers via the numerous training and extension activities he has developed and delivered, within Australia and internationally.

The Nuffield opportunity represents an impact pathway to develop local, international and industry networks to progress his ideas relating to the spatial distribution of soil properties and how they relate to production potential.

YO NARASAKO
E: yosuke.narasako@aoifarm-gr.com

Yo is from Kagoshima and now living in Miyazaki, Japan. He works for a sweet potato company called Kushima Aoifarm as executive vice president. His company produces, packs and sells sweet potato. Yo administers the entire operation, but his main role as executive vice president is finance and international sales. Their current market is not only in Japan, but also in Southeast Asia such as Singapore but they would like to expand their market to Middle east and Europe.

Yo is interested in the utilization of IT for root crops like sweet potato. Compared to vegetables produced in greenhouse like tomato, the utilization of technology for root crop is behind. He believes that there is some way to utilize the updated technology for root crop production.

He is a graduate of Kagoshima university with a BA in international law. After graduation, Yo worked for a language solution company in Mumbai, India for 2 years. After that he joined in a trading company in Tokyo. At that time, he learned deeply about sweet potato and believed sweet potato was filled with possibilities because sweet potato could be baby food, food for the elderly, side dish, main dish, dessert, distilled spirit and so on. Now he really loves sweet potatoes, and so joined this company.

Yo usually eats 3 sweet potatoes every day and consumes more than 1000 sweet potatoes in a year! He would like to tell sweet potato's attractiveness to people all over the world.
Brian works as an ag engineering field specialist for Iowa State University Extension and Outreach. He recently graduated from ISU with a master’s degree in agricultural engineering.

As part of his ISU research Brian investigated the effects of cropping management practices on soil health and nutrient losses to subsurface drainage water. Brian received a Nuffield Scholarship in 2018 and is studying the intersection of soil health, water quality, and agricultural nutrient management, with a focus on the fundamental importance of soil health and related global efforts to regenerate agricultural soils. Prior to returning to college he was the co-owner/operator of a dairy farm near Waukon, Iowa.

Georgie is the Poultry extension Agent for the University of Delaware, working with poultry farmers, integrators, and the public. In this role Georgie helps build awareness and understanding about best management practices and the impact the industry has on her community through research, outreach, and education.

Georgie has 25 years of experience in the poultry industry. She has worked for two of the largest integrators on Delmarva and has been a poultry farmer the past 13 years, the last 4 as an organic producer. Inspired by the challenges we face and public perception, she works to bridge the gap between perception and reality. Georgie has received awards for environmental stewardship from the conservation district and the Governors’ Conservation award.

In 2017, Georgie was chosen as the first Nuffield International Farming Scholar from the United States. The topic of her Nuffield study is Innovations in Poultry Production: Increasing the Sustainability of Commercial Poultry Production. The countries visited during her travels were Brazil, the Netherlands, Israel, France, and Germany.

Georgie has a BS degree in General Agriculture from Delaware State University.

Archie is from and currently lives in Washington, North Carolina where he is VP of Griffin Farms Inc., a family operation growing mixed crops.

Archie has a BS in Plant and Soils Science from North Carolina State University (NC State) and an MBA from East Carolina University (ECU). In November 2018, he was elected as an official for the District Supervisor for Soil and Water Conservation.

A 2018 Nuffield International Scholar from the United States of America, Archie investigated the transformational ways of how agriculture is planted, cultivated, and harvested to determine the optimal pathway to success for farms facing uncertainty in the future of their historically main crop. Archie visited China, UK, Israel, Zimbabwe, Zambia, Australia, New Zealand, Brazil, Mexico, Ireland, The Netherlands during his Nuffield travels.
**CONTEMPORARY SCHOLARS CONFERENCE | 2019**

**GARY ZIMMER**
Midwestern Biolg

Gary Zimmer is a dairy nutritionist by training (MS dairy nutrition UW Hawaii) and was introduced to soils while teaching at a Technology College in Minnesota. It was through that work that he realized what you put on the soil and how you manage it affects the quality and digest ability of what you grow. In the early 80’s he started fertilizer/dairy nutrition/consulting business called Midwestern Bio Ag where they took dairy nutrition to the soils. Presently the organization works with over 4000 farms mostly in the upper Midwest and fertilize every crop imaginable.

Gary has written three books on biological farming, most recently publishing one in 2017. Biological farming is a system of farming with focus on developing healthy mineralized soils and creating on ideal home for soil life. The Zimmer family farms a 1700-acre organic dairy and crop farm in southwestern Wisconsin. The 180 cow dairy herd is being fed 100% forages. Crops grown besides forages are seed corn, grain corn, soybeans, yellow peas, cereal rye, and small grains.

Gary has hosted many Nuffield Scholars over the years from all over the world as they come to explore our farming system, which is high production intensive management organic farming. They refuse to produce less yield per acre than their conventional neighbors.

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**DR. FRANK MITLOEHNER**
Professor and Air Quality Extension Specialist
University of California-Davis

Dr. Frank Mitloehner has an MS in Agricultural Engineering and Animal Science (Diplom Agrar Ingenieur, Dipl. Agr. Ing.) from the University of Leipzig, Germany. He completed graduate studies in animal science at the University of Goettingen (Germany) and earned a PhD in Animal Science from Texas Tech University in 2000.

Prior research was conducted in the areas of air quality (dust emission and microbial sampling in feedlot cattle and pigs), environmental physiology (heat stress in cattle and pigs), and ethology.

Currently, Frank is researching air quality related to livestock production, especially quantification of ammonia, dust, and odor emissions in dairies, beef feedlots, and poultry operations. The main objective is to help with establishing environmentally benign livestock systems. Additional research is on environmental physiology, focusing on the effects of air emissions on animal health.

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**DR. ANDREW BENSON**
Presidential Chair and Director, Nebraska Food for Health Center
Professor, Department of Food Science and Technology
University of Nebraska

Dr. Andrew Benson’s research group studies the complex sets of host and dietary factors that collectively influence composition and function of the gut microbiome. In collaboration with statisticians, computational biologists, and animal geneticists, Benson’s research program has focused on understanding how individual genetics can influence the microbiome and how dietary factors can modify the impact of host genetics, most likely through a direct impact of diet on the gut microbiome.

Benson’s group is also spearheading the discovery component of the Nebraska Food for Health Center using complex trait analysis in crop plants to define components and molecules that can impact the gut microbiome of humans. Working closely with center members in plant physiology (heat stress in cattle and pigs), and ethology.

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**DR. WENDY WINTERSTEEN**
President, Iowa State University

Dr. Wendy Wintersteen became the 16th president of Iowa State University on Nov. 20, 2017, after a nationwide search, followed by a unanimous vote of the Board of Regents, State of Iowa. The first woman to hold the university’s highest office, Dr. Wintersteen has served Iowa State for nearly 40 years in several capacities.

After working in eastern and central Iowa as one of the first female ISU Extension associates in integrated pest management, Dr. Wintersteen completed her doctorate in entomology at Iowa State. Rising through the ranks to become a professor of entomology (with a brief stint at the U.S. Dept. of Agriculture in Washington, D.C.), she then assumed a number of administrative roles in extension and the College of Agriculture and Life Sciences (CALS).

Most recently, Dr. Wintersteen served for eleven years as the endowed dean of the College of Agriculture and Life Sciences and director of the Iowa Agriculture and Home Economics Experiment Station. During her tenure, CALS rapidly increased enrollment to become the third largest college of agriculture in the nation, research grants increased markedly, awards for teaching excellence grew, and the college achieved a 98% placement rate for its graduates.

As president, and with the support of her administrative team, Dr. Wintersteen is advancing Iowa State University for the 21st century with priorities focused on enhancing student success; recruiting and retaining excellent faculty and staff; strengthening innovation and research excellence; developing a culture of entrepreneurship; making Iowa State a national leader in creating a welcoming and inclusive campus environment; and growing state and private support for the university, its faculty, staff, and students.

Dr. Wintersteen serves on the Board of Directors of the Big 12 Conference; the University Innovation Alliance (UIA), a coalition of 11 public research universities aimed at making college degrees more attainable for underrepresented students; the Cultivation Corridor, a regional economic initiative to establish Iowa as the global center for excellence in agbiosciences, advanced manufacturing, and technology sectors; and Bankers Trust. She is a member of the Association of Public and Land-grant Universities (APLU) Council of Presidents and was selected to serve on the APLU Research Intensive Committee beginning in 2019. She is part of the Governor’s STEM Advisory Council Executive Committee and the Business Education Alliance.

She was selected for the 2018 Women of Influence award from the Des Moines Business Record.

Dr. Wintersteen holds a bachelor’s degree in crop science from Kansas State University and PhD in entomology from Iowa State University. She is married to Robert Waggoner, author and former businessman.

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**HONORABLE MIKE NAIG**
Iowa Secretary of Agriculture

Mike Naig grew up on a family farm in the northwest corner of the state near Cylinder, Iowa and he continues to be involved in the operation today. As Secretary, he is committed to lead efforts to expand economic opportunities for Iowans and advocating in Iowa and around the globe on behalf of the hard-working men and women who keep us fed and fueled. As Deputy Secretary under Bill Northey, Mike had been active for the operations of the department, specifically policy, budget, and personnel. Before joining the Department, Mike had been active in the agribusiness industry for more than 13 years, having served in public policy roles for state and national trade associations and in private industry. Mike is a graduate of Buena Vista University in Storm Lake with degrees in biology and political science. He and his wife Jaime have three boys.

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**DR. JOHN LAWRENCE**
Vice President, Extension and Outreach

Dr. John Lawrence was raised on a crop/livestock farm in southwest Iowa. He currently leads Extension and Outreach efforts at Iowa State University, having served in this role on an interim basis for a year and being named Vice President in March 2018. John currently leads more than 1100 faculty and staff working to build a strong Iowa by improving how we feed people, keep them healthy, support thriving communities and develop youth to be leaders of tomorrow.

Previously, he has served as Associate Dean and Director for Agriculture & Natural Resources Extension at Iowa State University. He represented the College of Agriculture and Life Sciences as a co-leader with Iowa Department of Agriculture and Land Stewardship and Iowa Department of Natural Resource in developing and implementing Iowa’s Nutrient Reduction Strategy, a science and technology-based approach to assess and reduce nutrients delivered to Iowa waterways and the Gulf of Mexico.

As faculty at ISU, John was the Extension Livestock Economist and Professor, Department of Economics and Director of the Iowa Beef Center. John has written extensively for professional and trade journals, extension publications, and given over 700 formal presentations in 24 states and 5 Canadian provinces, Mexico, Korea, The Netherlands, and Australia. In 2009 he was named by Iowa Farmer Today magazine as one of the 25 most influential people in Iowa Agriculture 1984-2009.

His formal education includes a BS in Animal Science from Iowa State University, a MS in Economics from Iowa State University, and a PhD in Agricultural Economics from the University of Missouri.
Bill Acker is a professor of agricultural education and holds the Raymond and Mary Baker Chair for Global Agriculture at Iowa State University. Since 2005, he has served as associate dean for academic and global programs. Acker also is a professor of agricultural education. He earned his PhD from Oregon State University. He also earned a master's degree from the University of California, Davis, a bachelor's degree from Wilmington College and an associate of arts degree from Alice Lloyd College.

In 2009, Acker co-authored Education for Rural People that was published by the United Nations Food and Agriculture Organization. He was part of a team that published Tapping Philanthropy for Development in 2015, based on the agricultural development experiences in rural Uganda of the Center for Sustainable Rural Livelihoods in the College of Agriculture and Life Sciences.

Acker's educational background includes studies in education and in agriculture. He earned his PhD from Oregon State University. He also earned two master's degrees from the University of California, Davis, a bachelor's degree from Wilmington College and an associate of arts degree from Alice Lloyd College.

Bill Couser is Iowa farm producer and owner of Couser Cattle Company. He tills more than 5,000 acres, raises beef cattle, was an early advocate of the ethanol industry, and is a leader in adopting conservation practices that mitigate nutrient loading to Iowa's streams and waterways.

Joe Fearneyhough is the Director of the Wyoming Department of Agriculture (WDA) in January 2015 and serves as TDA's Deputy Commissioner of Agriculture and Natural Resources. Prior to TDA, Fearneyhough was the Director of the Wyoming Department of Agriculture (WDA). He was honored to serve in the top agriculture post in his home state of Wyoming. At WDA, Fearneyhough served in a variety of capacities prior to holding the top spot, including as Deputy Commissioner, Livestock and Commodities Marketing Specialist, and Technical Services Inspector.

Prior to WDA, Fearneyhough served as an auctioneer for various fundraising events, where he helped raise money for charity and scholarships. He is a graduate of Penn State, having earned his BS in Agriculture Education and MS in Agriculture and Extension Education. In addition, he is a member of the National Auctioneers Association.

Julie Kenney was appointed Iowa Deputy Secretary of Agriculture in 2018. As Deputy Secretary, Julie is responsible for the operations of the Iowa Department of Agriculture and Land Stewardship, specifically policy, budget and personnel.

Through FarmHer, she is updating the image of agriculture by showing the female side of farming and ranching, creating community amongst women in agriculture and outreach to young women interested in agriculture. In addition to the photography side of FarmHer, Marji has expanded the organization to include a weekly award-winning television show, airing on national cable network RFD-TV, a weekly SiriusXM radio show and podcast, annual events to inspire and empower women in agriculture and a line of merchandise aimed at women in agriculture. Her work for FarmHer has been featured in an exp不幸的是，这段文字有问题。
AMBASSADOR KENNETH QUINN
President
The World Food Prize
On January 1, 2000, Kenneth M. Quinn assumed the presidency of the World Food Prize Foundation in Des Moines, Iowa, following a 32-year career as an American diplomat, which focused significantly on refugee and humanitarian relief efforts and culminated with his service as U.S. Ambassador to the Kingdom of Cambodia.

DR. BARBARA GLENN
Chief Executive Officer
National Association of State Departments of Agriculture
Dr. Barbara Glenn joined the National Association of State Departments of Agriculture (NASDA) as CEO in 2014. NASDA is a nonpartisan, nonprofit association which represents the elected and appointed commissioners, secretaries, and directors of the departments of agriculture in all fifty states and four U.S. territories.

HONORABLE MICHAEL SCUSE
Secretary
Delaware Department of Agriculture
In January 2017, Michael T. Scuse was reappointed by Governor John C. Carney as Delaware Secretary of Agriculture. Scuse previously served with the U.S. Department of Agriculture as Acting U.S. Secretary of Agriculture, Acting Deputy Secretary of agriculture, and Under Secretary for Farm and Foreign Agricultural Services. As Under Secretary, he oversaw USDA’s Farm Service Agency, Risk Management Agency, and Foreign Agricultural Services. He served as Delaware Secretary of Agriculture from 2001-2008, and also served as Chief of Staff to former Gov. Ruth Ann Minner. He has received the Medal of Achievement from the Delaware Agriculture, Agricultural Research Service. He was the first woman to serve as president of the American Society of Animal Science.

HONORABLE TED MCKINNEY
Under Secretary for Trade and Foreign Agricultural Affairs
United States Department of Agriculture
Ted McKinney serves as the U.S. Department of Agriculture (USDA) Under Secretary for Trade and Foreign Agricultural Affairs. Under Secretary McKinney leads the development and implementation of the Department’s trade policy, oversees and facilitates foreign market access, and promotes opportunities for U.S. agriculture through various trade programs and high-level government negotiations.

JOHN CONNELLY
President
National Fisheries Institute
John Connelly is President of the National Fisheries Institute, America’s leading trade association advocating for the full seafood supply chain. He served as Chair of the National Coalition of Fisheries Associations and as a Board Trustee of the Marine Stewardship Council. He currently serves on the Boards of Directors of the International Seafood Sustainability Foundation and ALLFISH Board, a public-private partnership with the World Bank.

ERIC TRACHTENBERG
President
Millennium Challenge Corporation
Eric Trachtenberg is the Practice Lead and Senior Director, Land and Agricultural Economy at the Millennium Challenge Corporation (MCC). Eric has more than 20 years’ experience working on food systems, international agricultural development, and trade. At MCC, Eric leads design and oversight of MCC’s investments worth more than $500 million to improve global food security and strengthen land productivity. Eric also serves as Co-Chair of the Alliance for Food & Health (AFH), a 250 member multi-stakeholder initiative designed to reduce the negative public health outcomes associated with obesity and related diseases.

AIDAN CONNOLLY
President
AgriTech Capital
Aidan is an unusual leader. With 30 years of experience in the agribusiness sector, his role has changed so often that his experience covers the full range of executive and managerial challenges. He has direct experience of greenfield startups, high growth environments, turnaround issues, challenging economic environments, in a wide range of political and economic systems.

Mckinney grew up on a family grain and livestock farm in Tipton, Indiana, and was a 10-year 4-H member and an Indiana State FFA Officer. He graduated from Purdue University with a BS degree in Agricultural Economics in 1981 and received the G.A. Ross Award as the outstanding senior male graduate. In 2002, he was named a Purdue Agriculture Distinguished Alumnus and, in 2004, received an FFA Honorary American degree. He and his wife, Julie, have three children and four grandchildren.
Chad's research has examined the interaction between the agricultural commitments within the World Trade Organization (WTO) and the energy sector. He served in multiple roles at CARD, concluding as the head of the Biorenewables Policy Division and examining the interactions between the agricultural and energy sectors.

Prior to joining Virginia Tech, Ms. Steensland was the Deputy Director of the Global Harvest Initiative (GHI), a private sector policy voice for productivity and sustainability throughout the agricultural value chain. Ms. Steensland also served as Chief of Staff of the Alliance to End Hunger, a coalition of companies, universities, faith-based groups and NGOs building the public and political will to end hunger and malnutrition.

Boitshelo ‘Bibi’ Giyose is a Senior Nutrition Officer for Policy and Programme in the Nutrition and Food Systems Division at FAD HQ, Rome. She is currently on secondment to the African Union’s (AU) New Partnership for Africa’s Development (NEPAD) as special advisor to the CEO. Her work focuses on integrating and mainstreaming nutrition into agriculture and related development agendas, and to promote a multiscalar approach for addressing all forms of malnutrition. Before FAO, she served the AU as Senior Advisor for Food and Nutrition Security at NEPAD. She worked for UNDP/UNAIDS as Regional Coordinator for HIV/AIDS and Nutrition, the ECSA Health Community Nutrition Coordinator; the Botswana Government and private sector in various capacities; and as consultant for numerous organizations. She has served on numerous international scientific, technical, and policy advisory committee boards.

Bibi was awarded a “Distinguished Alumna Award” in recognition of exceptional professional achievement by Appalachian State University (USA) in 2007. She was also named Senior Policy Scholar in 2011 by the Global Child Nutrition Foundation – USA for her work on school food and nutrition. She holds a MS in International Nutrition from Cornell University, and a BS in Nutrition and Dietetics from Appalachian State University.

Ms. Ann Steensland is the coordinator of the GAP Report Initiative in the Global Programs office of the Virginia Tech College of Agriculture and Life Sciences. In this role, she serves as the lead author of the Global Agricultural Productivity Report, or GAP Report, an annual analysis of global progress toward productive sustainable food and agriculture systems.

Her research areas include sustainable approaches for increasing the productivity of small-scale agriculture, improving livelihoods and nutrition for small-scale farmers, market-based strategies for reducing post harvest loss and waste, and connecting small-scale and emerging farmers to markets.

Prior to joining Virginia Tech, Ms. Steensland was the Deputy Director of the Global Harvest Initiative (GHI), a private sector policy voice for productivity and sustainability throughout the agricultural value chain. Ms. Steensland also served as Chief of Staff of the Alliance to End Hunger, a coalition of companies, universities, faith-based groups and NGOs building the public and political will to end hunger and malnutrition.

Ms. Steensland has an MA in African History. She was awarded the Lawrence Levine Prize for her thesis exploring racial, economic and environmental dimensions of the development of commercial agriculture in South Africa.

### Thursday, March 14

**DR. CHAD HART**

Associate Professor of Economics  
Crop Markets Specialist and Extension Economist  
E: chart@iastate.edu

Chad Hart was born and raised in southwest Missouri. His parents raised a few cattle and operated a small meat locker. He received a BS in economics with minors in mathematics, history, and astronomy from Southwest Missouri State University in 1991. Chad then moved to Iowa in the summer of 1991 to pursue graduate education. He earned a PhD in economics and statistics in 1999 from Iowa State University.

Upon graduation, he joined the staff for the Center for Agricultural and Rural Development (CARD) at Iowa State. He then served as the U.S. Policy and Insurance Analyst with the Food and Agricultural Policy Research Institute (FAPRI) and a Scientist with CARD.

For FAPRI, he was responsible for directing econometric and modeling efforts for the crop insurance component of the FAPRI modeling system. For CARD, he served in multiple roles, concluding as the head of the Biorenewables Policy Division and examined the interactions between the agricultural and energy sectors.

Chad's research has examined the interaction between the agricultural commitments within the World Trade Organization (WTO) and the agricultural policies and programs of WTO members, crop insurance, international trade, biofuel policy, federal agricultural policy, and crop marketing.

**DR. MARTHA SHULSKI**  
State Climatologist and Director of the State Climatology Office (Nebraska)  
Associate Professor of Applied Climate Science  
University of Nebraska  
T: @mshulski3

Martha Shulski serves as the State Climatologist for Nebraska and is an Associate Professor in the School of Natural Resources at the University of Nebraska-Lincoln. She directs the Nebraska State Climate Office, which operates the Nebraska Mesonet – a state weather monitoring program with 69 stations across the state.

Martha has degrees in Meteorology (BS), Agricultural Meteorology (MS) and Soil Science/Climatology (PhD). After completing her doctorate in 2002 she worked for the University of Alaska Fairbanks and gained an appreciation for climate impacts to our environment and published a book – The Climate of Alaska. She joined UNL in 2009 as Director of the High Plains Regional Climate Center and moved to her current position as State Climatologist in 2016.

Martha's current work is in the areas of applied climatology, weather and climate monitoring, impact assessment and stakeholder engagement. She speaks to many different groups on the topic of climate change and associated impacts and teaches an introductory level course on climate change.

Martha was one of the Contributing Authors on the Northern Great Plains chapter of the Fourth National Climate Assessment. She has published 45 peer-reviewed journal articles on topics related to weather and climate.

**DR. WENDONG ZHANG**

E: wdzhang@iastate.edu  
Dr. Wendong Zhang is an assistant professor in the Department of Economics at Iowa State University since August 2015. His research seeks to better understand U.S. farmland market, agricultural nutrient runoff, conservation practice adoption, and Chinese agriculture. He is also affiliated with Center for Agricultural and Rural Development (CARD).

Wendong is the leading researcher of the Iowa Land Value Survey, the Iowa Farmland Ownership and Tenure Survey, as well as the ISU Soil Management and Land Valuation Conference. He also led the development of the new, interactive Iowa Farmland Portal as well as co-founded the new ISU China Ag center joint with Dr. Dermot Hayes in collaboration with Chinese Academy of Agricultural Sciences.

Wendong received his PhD in Agricultural, Environmental and Development Economics from the Ohio State University in July 2015, and he also hold a BSc in Environmental Science from Fudan University in China.

**KYLE AMOS**

Highfield Farm Asset Services

Kyle Amos is the Founder and President of Highfield Farm Asset Services (HFAS), an agricultural real estate management and consulting firm, where he is responsible for the procurement and management of farmland properties in the United States. The firm partners with land owners to manage and grow investment-grade farmland portfolios. HFAS currently manages a portfolio of investment grade farms in the High Plains region of the United States.

Prior to forming Highfield, he held the position of Acquisitions Manager at Hancock Agricultural Investment Group, a large institutional manager of agricultural real estate in the U.S. with $2.0 billion under management. Additionally, he has been Senior Vice President of Development for a private family office commercial real estate firm in Houston, TX specializing in land development and asset management as well as working for 8 years at the Chicago Board of Trade.

Kyle received a BA in Liberal Arts from DePaul University and a Master of Land Economics and Real Estate from Texas A&M. He holds Texas, Colorado and New Mexico Real Estate Broker licenses, is an Accredited Farm Manager/Member of the ASFMRA, and is a graduate of The Executive Program for Agricultural Producers.

**BIBI GIYOSE**

Food and Nutrition Security Advisor  
New Partnerships for Africa’s Development (NEPAD)

Boitshelo ‘Bibi’ Giyose is a Senior Nutrition Officer for Policy and Programme in the Nutrition and Food Systems Division at FAD HQ, Rome. She is currently on secondment to the African Union’s (AU) New Partnership for Africa’s Development (NEPAD) as special advisor to the CEO. Her work focuses on integrating and mainstreaming nutrition into agriculture and related development agendas, and to promote a multiscalar approach for addressing all forms of malnutrition. Before FAO, she served the AU as Senior Advisor for Food and Nutrition Security at NEPAD. She worked for UNDP/UNAIDS as Regional Coordinator for HIV/AIDS and Nutrition, the ECSA Health Community Nutrition Coordinator; the Botswana Government and private sector in various capacities; and as consultant for numerous organizations. She has served on numerous international scientific, technical, and policy advisory committee boards.

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SPEAKERS

CRAIG HILL
President
Iowa Farm Bureau

Craig Hill of Ackworth, Iowa was elected president of the Iowa Farm Bureau Federation (IFBF) in December 2011. Craig’s service to the Iowa Farm Bureau started at the county level. He was involved in various positions with the Warren County Farm Bureau board of directors. He then served as the organization’s vice president from 2001-2011 before being elected president. As president, Craig serves as chairman of the board of FBL Financial Group, Inc., and Farm Bureau Life Companies. In addition, he serves on the American Farm Bureau Board of Directors.

Throughout his years on the IFBF board, Craig has been involved in a variety of projects. He was instrumental in the development of Revenue Assurance, a revenue-based crop insurance for corn and soybean farmers. He also served as the first chairman of the Iowa Ag State Group, which consists of representatives from all sectors of Iowa’s agriculture.

In April 2014, Craig joined the Board of Directors for the Cultivation Corridor project to enhance the Ag Bioscience Economic opportunities in Iowa. In May 2020, he was appointed to a seat on the Board of Trustees of the Council in Agriculture Science and Technology (CAST). And in June 2015, he was appointed to the USDA’s Agricultural Technical Advisory Committee on Trade.

He and his wife, Patti, have two married children. Their son, Adam, is involved on the family grain and livestock operation. Their daughter, Abbie, is an associate attorney.

KAREY CLAGHORN
Chief Operating Officer
Iowa Soybean Association

Karey Claghorn serves as the chief operations officer at the Iowa Soybean Association (ISA).

In this role she is responsible for the day-to-day operations of the organization, helping to assure that the long range strategic plan and the annual business plan are effectively and efficiently implemented. Claghorn is also responsible for coordination and integration of the efforts of the diverse team of staff professionals at ISA.

Prior to joining the ISA, Claghorn served as the deputy secretary of agriculture for Iowa Secretary of Agriculture Bill Northey. She also served as corporate manager of training and development for Marsh Supermarkets and Village Pantry convenience stores in Indianapolis, Indiana.

Claghorn grew up on a livestock farm near Bloomington, Indiana. She graduated from Indiana University with a degree in Consumer Science Education.

PAT MCGONEGLE
Chief Executive Officer
Iowa Pork Producers Association

Pat joined the Iowa Pork Producers Association as chief executive officer in October 2015.

McGonegle was formerly with the National Pork Producers Council in Urbana and for 19 years and had served as the vice president of state relations and resource development since 2002.

The Vincent, Iowa, native has worked in the pork industry for more than 30 years and started his career with IPPA as a field director in 1983. Pat was a vice president at the National Pork Board and was once the executive director of the Minnesota Pork Producers Association. He also worked in sales for ADM Animal Health and Nutrition.

McGonegle grew up on a diversified farm and earned a bachelor’s degree in animal science from Iowa State University.

He currently resides in Urbana and with his wife, Julie, daughter, Laurel, and son, Jack.

BRENT SCHWENNEKER
Manager, The Huxley Learning Center
Bayer Crop Science

Brent Schwenneker grew up on a row crop and cow/calf operation in southwest Iowa. He attended Iowa State University where he obtained a Bachelor of Science degree in Agriculture Business, and Kansas State University where he earned his Masters of Ag Business.

In 1995, Brent began his career with Monsanto in the soybean breeding organization. Since then he has held positions with technology development, integrated farming systems and currently, as the manager at The Huxley Learning Center for Bayer Crop Science. Brent serves on the Dallas County Extension Council, Pleasant Hill Cemetery board, Iowa Corn Grassroots Network Membership & Checkoff committee and recently finished the Iowa Corn Growers Leadership program.

BRIAN LOWRY
T: @BrianLowry
Brian Robert Lowry is Deputy General Counsel for Bayer Crop Science, where he chairs the company’s Human Rights Steering Committee and its Office of Sustainability, and led their Office of Law & Policy.

In this role Brian and his team are responsible for key legal functions and public policy efforts including human rights, human resource and immigration; business conduct, ethics and anti-corruption; intellectual property policy; international trade policy, negotiations and compliance; multi-lateral undertakings and conventions and UN-related matters; and stakeholder and socially responsible investor engagement. He was also the principle author of Monsanto’s Human Rights Policy prior to the Bayer-Monsanto merger.

Brian is co-chair of the United States Council for International Business (USCIB) working group on the UN Sustainable Development Goals and Post-2015 Development Agenda, and is the first board chair of the UN Global Compact U.S. Network.

In 2011 Brian was a finalist in the International Law Office Global Counsel Awards, and in 2014, he was recognized as the American Corporate Counsel – St. Louis Business Journal International Lawyer of the Year. He is regularly engaged in university discussions on food security and business and human rights and active with a number of philanthropic, arts and community boards and activities.

Brian has taken advanced studies at Stanford University and Harvard University, and he has degrees from the University of Dayton and Washington University in St. Louis, where he received his law degree and where he also served as associate dean of the university’s School of Fine Arts in the 1980s.

DR. GREG MILLER
Chief Science Officer
National Dairy Council
T: @DrDairy50

Dr. Gregory D. Miller is Global Chief Science Officer and executive vice president, research, regulatory and scientific affairs for Dairy Management Inc./National Dairy Council (NDC), Rosemont, Illinois as well as an Adjunct Associate Professor in the department of food science and human nutrition at the University of Illinois. He is also the Nutritional Security Sector Lead for the Global Dairy Platform, and is recognized as a leading voice in the global food system. He is currently leading the effort to enhance dairy’s contributions toward a more sustainable food system by examining the intersection between nutrition, health, food insecurity, and environmental impact.

Dr. Miller graduated in 1978 from Michigan State University with a BS degree in Nutrition and in 1982 earned a MS degree in Nutrition (Toxicology) from The Pennsylvania State University. In 1986 he received a PhD in Nutrition (Toxicology) from The Pennsylvania State University.

Dr. Miller is a member of the Editorial Board for the Journal of Nutritional Biochemistry. He has served on the editorial board for the Journal of the American College of Nutrition, Journal of Nutrigenetics/Nutrigenomics, Current Nutrition & Food Science, The Open Nutrition Journal and Mature Medicine Canada. He has served as President for the American College of Nutrition. He was a Member of the Board of Directors for the American Society for Nutrition and the International Society of Nutrigenetics/Nutrigenomics.

In October of 2016, Dr. Miller was appointed to a Food and Agricultural Organization High Level Panel of Experts to carry out a study on Nutrition and Food Systems that fed into the Committee on World Food Security debates at the 44th session in 2017.

Dr. Miller has presented more than 120 invited lectures at national and international meetings and has published more than 160 research papers, reviews, articles, and abstracts. He has co-edited three books on diet, nutrition, and toxicology and contributed chapters to nine books. He is co-author of the Handbook of Dairy Foods and Nutrition, 1st, 2nd and 3rd Editions.

Dr. Miller has appeared on the NBC Today Show, CNBC, CNN, CBS Evening News, and has been quoted in the New York Times, USA Today, Chicago Tribune, Los Angeles Times, Financial Times (London).
Friday March 15, 2019

DR. MATT SPANGLER
Extension Beef Cattle Specialist
University of Nebraska

Matt Spangler grew up on a diversified crop and livestock farm in Kansas. He received degrees from Kansas State University (BS, 2001), Iowa State University (MS, 2003), and the University of Georgia (PhD, 2006) and is currently a Professor and Extension Beef Genetics Specialist at the University of Nebraska. He works as part of a team with colleagues at UNL and US MARC to improve genetic/genomic selection tools and methods.

BART RUTH
Rising City, NE

Bart Ruth currently serves as Chairman of the 25 x '25 Renewable Energy National Steering Committee and is also affiliated with the North American Climate Smart Agriculture. Bart served as president of the American Soybean Association (ASA) in 2001-2002 and spent two months in Europe in the fall of 2005 representing American Agriculture as an Eisenhower Fellow. He has hosted numerous international visitors in the past several years and has worked closely with the Nuffield Scholarship program and serves as a Board Member of Nuffield International USA. He participated as a Next Generation Fellow with Columbia University’s American Assembly examining U.S. Foreign Policy and International Institutions in 2007, 2008, and 2009.

APRIL HEMMES
Hampton, Iowa

April Hemmes operates her family’s century farm in North Central Iowa. This is her thirty-fourth year farming. Her farm consists of corn, soybeans and pasture land. April is the full-time farmer in this family and her husband works off farm.

Curtis Meier
Meier Farms
Clarinda, Iowa

Meier has been a two-time president at the Iowa Pork Producers Association, holding the position in 2003 and 2017. He is the first person to have held the post twice, which shows that his peers value his leadership and experience in Iowa’s pork production business. He just completed his term on the IPPA board of directors, where he was serving in the past-president’s role.

Curtis and his wife, Brenda, along with their son and son-in-law, have a diversified farming enterprise. The family has a 160-sow farrow-to-finish swine business, 1,100 head of beef cattle and 3,000 acres of corn and soybeans.

In addition to his services at IPPA, Meier also has served on several National Pork Board committees. He is a presenter for Operation Main Street, is POA Plus-certified and has completed his POA Plus site assessment.

Curtis’ involvement in local activities includes the Iowa Cattlemen’s Association, Corn and Soybean Growers, Farm Bureau, church and school. He has held the position of Page County Fair Board swine superintendent and is a Page County Soil and Water Conservation District commissioner. He also serves as a township trustee.

IPPA named Meier a Master Pork Producer in 1974 and he’s earned numerous other awards during his farming career.

CURTIS MEIER
Blue Diamond Farming Company
Jessup, Iowa
T: @BenRiensche

Ben Riensche is the owner and manager of the Blue Diamond Farming Company. Blue Diamond produces corn and soybeans in Northeast Iowa, where seeks to sustainably produce crops using conservation farming practices and precision agriculture techniques. Unique from its peers, Blue Diamond strategically operates as a Do-It-Yourself farm seeking to maximize its returns from performing every step from planting to crop delivery.

Rather than rely on outside commercial services, the farm applies all its own pesticides and crop care products, operates out of its own fertilizer supply storehouse, and has recently invested in its own clean sheet, built from scratch 30,000 ton grain drying and storage facility. Blue Diamond Farming Company also operates its own truck fleet, delivering grain primarily to end users in the competitive Eastern Iowa marketplace.

Ben is a sixth generation Iowa farmer, a graduate of Iowa State University (BS) and the University of Chicago (MBA), and a former banker, having worked in Chicago, Wall Street and Switzerland.

Ben is a 1993 Eisenhower Fellow to Hungary, 2001 Farm Journal Media Top Producer of the Year award winner, former board chair of the Buchanan County Health Center, and current board chair of Indigo Research Partners Agricultural Advisory Board.

The Riensche family is at home on the farm at Jessup, Iowa, where Ben and his wife, Lisa, raised their four children. Visitors are welcome! Especially Nuffield Scholars!

DR. LANE ARTHUR
Director, Digital Solutions
John Deere Intelligent Solutions Group
T: @Lane_Arthur

Lane Arthur, PhD is the Director for the Digital Solutions business in John Deere’s Intelligent Solutions Group (ISG). In his role, he is responsible for the design, development, delivery, and support of information-enabled solutions. These solutions allow farmers, input providers and agriculture solutions providers to leverage their data and develop insights to make their operations more profitable and productive. Lane is also focused on the development and execution of the John Deere Operations Center, a suite of online and mobile tools that enable access to farm information anytime, anywhere.

Prior to joining John Deere, Lane held a variety of roles within DuPont and was the vice-president and chief information officer for the DuPont Pioneer business. He led the information technology strategy development in partnership with business leadership, with emphasis on creating added business value through innovative uses of company information. He was instrumental in the formation of Precision Ag IT group.

Scott Henry
Longview Farms
Nevada, Iowa
T: @LongViewFarms

Scott Henry is a Farmer and Partner at Longview Farms (www.longviewfarms.ag), a 4th-generation family farm owned and operated by the Henry family. He is responsible for business growth & strategy, process management, and the implementation of precision technology on Longview’s row crop operation in central Iowa. In addition to their row crop operations, Longview also raises seed corn and seed beans for area seed companies and offers a full range of custom farming services for farm managers, investors, and absentee landowners.

SCOTT HENRY
Longview Farms
Nevada, Iowa

Benjamin Riensche
Blue Diamond Farming Company
Jessup, Iowa

Ben Riensche is the owner and manager of the Blue Diamond Farming Company. Blue Diamond produces corn and soybeans in Northeast Iowa, where seeks to sustainably produce crops using conservation farming practices and precision agriculture techniques. Unique from its peers, Blue Diamond strategically operates as a Do-It-Yourself farm seeking to maximize its returns from performing every step from planting to crop delivery.

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The Riensche family is at home on the farm at Jessup, Iowa, where Ben and his wife, Lisa, raised their four children. Visitors are welcome! Especially Nuffield Scholars!
Saturday, March 16, 2019

DR. STEVE MICKELSON
Chair, Department of Agricultural Systems and BioEngineering
Iowa State University
Dr. Steven Mickelson is the current chair for the Department of Agricultural and Biosystems Engineering at Iowa State University. In 2017, the US News and World report ranked the department number 1 for both undergraduate and graduate programs.

The department currently has over 800 undergraduate students and over 90 graduate students. Dr. Mickelson's research focuses on the evaluation of agricultural best management practices for determining their effectiveness in reducing chemical and soil losses to surface water bodies.

Dr. Mickelson is a member of ATMAE, ASABE, and ASEE. He became a fellow of ASABE in 2018.

BOB SINCLAIR
President
Sinclair Tractor

Bob grew up on a Family Farm, received an Engineering Degree from the University of Iowa and worked in Engineering and Management for Cargill in their corn and rice milling operations. After 8 years of Night School in Tennessee, Mississippi and Ohio, he received an MBA from the University of Dayton.

Bob is the Chairman of the Iowa Nebraska Equipment Dealers Association and serves on the Environmental Protection Commission which oversees the Iowa DNR's efforts to protect our Air and Water Quality. Bob is active in the Pre-Life Movement and serves as the Culture of Life Director for the Iowa Knights of Columbus and Treasurer for the Informed Choices Medical Clinic.

Bob married his High School Sweetheart, Susan, and they have 4 kids all active in Sports and Livestock Showing. Their oldest, Emma, will be a Freshman at Iowa State this fall.

APRIL DODD
Regional Coordinator of Partnerships
Emerging Ag, Inc.
T: @EmergingAG @AgriFoodNet
April is a current Mickey Leland International Hunger Fellow. The fellowship program, coordinated by the United States’ Hunger Center, trains emerging leaders in the fight to end hunger worldwide during a unique two-year program that combines field and policy work. Her placement is at Emerging Ag, Inc an international consulting firm that specializes in agriculture, food, and health projects.

As the Regional Coordinator of Partnerships, April focuses on increasing farmer and SME participation, with a focus on engaging young agricultural leaders, within the Private Sector Mechanism (PSM) to the UN’s Committee on World Food Security (CFS).

Prior to joining Emerging, April spent two and a half years in Nairobi, Kenya, where she founded Open Table Cooking School, which teaches international culinary skills to Kenyan women to improve their hire-ability, job security, and earning power. She has also worked as a wholesale manager at a refugee farming program; as a TESOL-certified English teacher in Ecuador, Guatemala, and France; as a chef at a retirement community in Kentucky; and as a local food preservation manager in Vermont.

April is a United States national. She speaks English, Spanish, French, and Swahili. She holds a Bachelor of Arts in Linguistics and French from Middlebury College in Vermont. She lives in Boston, Massachusetts, USA.
NUFFIELD INTERNATIONAL PARTNER ORGANIZATIONS

Following is a list of organizations that are partner organizations with Nuffield International. As you prepare for your individual travels and explore how to continue to expand your global network, these organizations may have resources that you will find beneficial.

Remember, the object of your Nuffield study is not to reinvent the wheel! Find out what research and projects may exist related to your study topic and connect with those who are participating in that work.

AGRI BENCHMARK

agri benchmark is a global, non-profit network of agricultural economists, advisors, producers, and specialists in key sectors of agricultural and horticultural value chains. The agri benchmark network uses internationally standardized methods to analyze farms, production systems, and their profitability. The organization’s farm-level knowledge is combined with an analysis of international commodity markets and value chains. Through this combination of professional and academic resources means agri benchmark is able to provide scientifically consistent and soundly based answers on strategic issues to decision-makers in policy, agriculture, and agribusiness.

GLOBAL DAIRY FARMERS (GDF)

Global Dairy Farmers is a worldwide network of inspirational and ambitious dairy farmers, leading experts in different fields related to dairy and key-stakeholders from around the globe to exchange experience and business opportunities. There are progressive dairy farmers (members) and related business partners who share knowledge through gatherings, research projects, the GDF Congress, and the GDF online platform.

GLOBAL FORUM ON AGRICULTURAL RESEARCH AND INNOVATION (GFAR)

GFAR is a collective movement with more than 600 partners working together across 13 sectors of agriculture. It is a multi-stakeholder program that brings its network of experts and organizations to work collectively to serve as a catalyst of networked actions in agri-food research and innovation. GFAR is home to open-source data, conducted around the world and focused on shaping a new future for agriculture and food – with a close connection to the Sustainable Development Goals.

INTERNATIONAL ASSOCIATION OF PROGRAMS FOR AGRICULTURAL LEADERSHIP (IAPAL)

IAPAL is a consortium of leadership programs located in multiple countries. With a focus on agriculture and rural leadership, these programs offer a lot of opportunity to connect with your peers and leaders in agriculture across numerous U.S. states, Scotland, Australia, Canada, Africa, and Mexico.

YOUNG PROFESSIONALS FOR AGRICULTURAL DEVELOPMENT (YPARD)

YPARD is an international movement by and for young professionals in agriculture. YPARD is a network, not a formalized institution. There are global on-line and off-line communication and discussion opportunities, designed to enable and empower young agricultural leaders around the world to shape sustainable food systems.

WHEN CONNECTING WITH OTHER NUFFIELD SCHOLARS AROUND THE WORLD, BE SURE TO TAKE ADVANTAGE OF THESE RESOURCES:

NUFFIELD SCHOLARS DATABASE

Use your Nuffield International website logon credentials to access this private database of Scholars and contacts around the world. You can search by name, country, area of focus, and more. Be sure to check out the Nuffield Scholar reports on the website as well. These reports are a great repository of knowledge and may help you refine your study topic and get a sense of what resources may already exist in the area you are exploring.

NUFFIELD SCHOLARS FACEBOOK PAGE

Join this private group and stay in touch with Nuffield Scholars all over the world. It is a great way to connect with other Scholars (outside your year), ask for insight, set up visits, and be part of ongoing conversations about contemporary global agriculture.

NUFFIELD INTERNATIONAL LINKEDIN GROUP

There is a growing group on LinkedIn that are staying connected via this platform. It is a closed group available to Scholars and supporters (investors and others engaged with Nuffield around the world). Submit your request to join and gain another valuable way to engage with the global Nuffield network.
Nuffield International wishes to thank these organizations for their financial support of the 2019 Contemporary Scholars Conference.

Shaping agriculture
For farmers. For consumers. For the planet.
In the face of a changing climate, intact natural resources, and a growing population, there has never been a greater need for innovation in agriculture. At the same time, the world is hungry and demands food that is healthy, safe, affordable, and grown in ways that promote our environment and good for the planet.

At Nuffield, we're a responsible, global farm leader. A unique global network of farmers that focuses on:
• Personal capacity building
• Excellence in agricultural production, distribution and management
• Local, national and global thought leadership

Founded in the United Kingdom in the aftermath of World War II, the Nuffield Farming Scholars program began as a thank you to the producers who continued to feed a challenged nation.

Nuffield International Farming Scholars is a unique global network of farmers that focuses on:
• Personal capacity building
• Excellence in agricultural production, distribution and management
• Local, national and global thought leadership

A leading entrepreneur and philanthropist, Lord Nuffield (William Morris), believed that travel and experiential learning was the best way to build one’s own capacity and find the emerging best practices to spur a business, community, industry and nation.

Lord Nuffield himself benefitted from this type of global entrepreneurship when he traveled to the United States to learn more about how Henry Ford was creating automobiles. This exploration and the innovation he discovered allowed him to branch out from building bicycles to creating Morris Motors, the automobile company that developed and sold the Morris Cowley, Morris Minor, and others.

After watching the devastating effects of WWII on his home country in the form of enemy bombs and debilitating farm policy, Lord Nuffield used part of his wealth to create the Nuffield Foundation, initiating the Nuffield Farming Scholars Program in 1947.

From the original three Nuffield Scholars who left England to travel in 1947, there are currently seven member nations and 1,600 Scholars worldwide.