

JUNE 22-25, 2014

WINNIPEG CONVENTION CENTRE
WINNIPEG, MANITOBA

WCCA6.ORG



SUNDAY, JUNE 22

2:00 pm – 8:00 pm

5:30 pm – 8:00 pm

Registration and Information

Opening Reception (light appetizers and cash bar)

MONDAY, JUNE 23

Time	Title/Event
7:00 am – 5:00 pm	Registration and Information
7:00 am – 8:00 am	Breakfast with Exhibitors
8:00 am – 9:00 am	Welcome, Sponsor Recognition and Overview of Program
9:00 am – 9:45 am	Opening Keynote: A Case for Global Soil Restoration - Dr. David Montgomery
9:45 am – 10:15 am	Trade Show/Networking Break
10:15 am – 11:15 am	Panel Discussion: Conservation in North America, Regional Perspectives Panelists: Kristine Nichols, Jodi DeJong-Hughes, Steve Groff, Seth Watkins Moderator: David Lobb
11:15 am – 11:45 am	Panel Dialogue with Q & A Discussion
11:45 am – 1:15 pm	Lunch

Concurrent Sessions

Session 1: Conservation Agriculture: Building Sustainability

The path towards sustainability requires innovation and partnerships. The experiences of these speakers will provide valuable lessons of how conservation agriculture contributes to moving down this path.

Time/Speaker	Title/Event
1:30 pm – 3:30 pm	
Jodi DeJong-Hughes, Moderator	Overview of Session
Dennis Bulani	Thinking About Your Thinking
Breana Behrens	The Importance of Providing Landowners with the Full Spectrum of Information and Resources on Conservation Agriculture
Dennis Haak	Adoption Trends of Environmentally Sustainable Practices on Canadian Farms
Beth Poganski	REACHing out: An Innovative Participatory Approach to Conservation Integration in Agriculture
Amir Kassam	Sustainable Intensification and Conservation Agriculture
Moti Jaleta	Resource Saving and Productivity Enhancing Impacts of Minimum Tillage in Ethiopia
3:30 pm – 5:00 pm	
	Trade Show/Networking Break
	Poster Viewing – Sessions 1, 2, and 3 - Hall A
	Poster session 1: Building Sustainability with Conservation Agriculture
	Poster session 2: Soil Health and Biology as a Foundation of Conservation Agriculture
	Poster session 3: Producer Innovation to Build Conservation Agriculture

Session 2: Conservation Agriculture: Soil Health/Biology as Key Factors

Conservation agriculture extends below the soil surface to help foster an environment that promotes and sustains biological activity. These papers provide a view of how to understand the critical role of soil biology.

Time/Speaker	Title/Event
1:30 pm – 3:30 pm	
Wade Thomason Moderator	Overview of Session
Jill Clapperton	Healthy Soil is the Foundation for Food
Chandra Sekhar Praharaj	Technological Interventions for Strategic Management of Water in Conserving Natural Resources
Lilian Mbutia	Microbial Community Structure after Long-term (31 years) of Conservation Tillage under Continuous Cotton in West Tennessee

Marie Bartz	No-Tillage Improves Earthworm Species Richness in Southern Brazil
Ramesh Kumar Sharma	Influence of Tillage and Residue Management Practices on Weeds in Rice-wheat Cropping Systems
Menale Kassie	The Role of Conservation Agriculture Practices in Production Risks, Crop Income and Agro-chemical Use

3:30 pm – 5:00 pm

Trade Show/Networking Break
Poster Viewing – Sessions 1, 2, and 3 - Hall A
Poster session 1: Building Sustainability with Conservation Agriculture
Poster session 2: Soil Health and Biology as a Foundation of Conservation Agriculture
Poster session 3: Producer Innovation to Build Conservation Agriculture

Session 3: Conservation Agriculture: Innovative Adoption by Producers

Adoption of conservation agriculture is dependent upon producers and their innovative ideas and methods. This session will provide insights into how effective conservation agriculture can be used to achieve sustainability.

Time/Speaker	Title/Event
1:30 pm – 3:30 pm	
Tom Goddard Moderator	Overview of Session
Pauline Mele	Harnessing the Biological Potential of Australian Grain Production Soils
Richard Bell	Entrepreneurship and the Adoption of Conservation Agriculture by Smallholder Farmers: Key Learning from Bangladesh
Christian Thierfelder	Identifying new Sustainable Intensification Pathways for Smallholder Farmers in Southern Africa
Yigezu A. Yigezu	Measuring the Impacts of Conservation Tillage (CT) on Household Income and Consumption: A Syrian Case
Jeffrey Mitchell	Development and Expansion of Conservation Agriculture Systems in California's Central Valley
Jill Wheeler	The Good Growth Plan
3:30 pm – 5:00 pm	
	Trade Show/Networking Break Poster Viewing – Sessions 1, 2, and 3 - Hall A Poster session 1: Building Sustainability with Conservation Agriculture Poster session 2: Soil Health and Biology as a Foundation of Conservation Agriculture Poster session 3: Producer Innovation to Build Conservation Agriculture

6:00 pm – 7:00 pm
7:00 pm – 10:00 pm

Reception at the Winnipeg Convention Centre
Dinner at the Winnipeg Convention Centre
Join us after dinner for **‘True Confessions of our Cover Crop Adventures’** as three farmers from different areas of the U.S reflect and share stories of the highs, lows, memorable moments and victories of implementing cover crop strategies on their farms.
Mark Anson - Anson Farms, Don Forgey - Cronin Farms,
Tim Recker - Recker Farms
Moderator: Charlene Finck, Vice President, Editorial
Farm Journal Media

TUESDAY, JUNE 24

Time	Title/Event
7:00 am – 5:00 pm	Registration and Information
7:00 am – 8:00 am	Breakfast with Exhibitors
8:00 am – 9:15 am	Panel Session: Conservation Agriculture: World Perspectives Panelists: Bill Crabtree, Australia; Gerard Rass, France; Maria Beatriz Giraud, Argentina; Frederic Thomas, France Moderator: Jerry Hatfield
9:15 am – 9:45 am	Panel Dialogue with Q & A Discussion
9:45 am – 10:15 am	Trade Show/Networking Break

Concurrent Sessions

Session 4: Conservation Agriculture: Components of Sustainability

Sustainability is a goal of all farming systems and conservation agriculture can be one of the cornerstones to help achieve sustainability in many different environments.

Time/Speaker	Title/Event
10:15 am – 11:45 am	
Sjoerd Duiker Moderator	Overview of Session
Rene Van Acker	The Development and Adoption of Conservation Agriculture in Canada: From the Ecological to the Cultural
Aziz Nurbekov	Status of Conservation Agriculture in Central Asia
Cheryl Reese	Landscape Position and Winter Cover Crops Impact on Northern Great Plains Corn (<i>Zea mays</i>) Yield and N and Water Cycling
Brian Sims	Mechanization of Conservation Agriculture in Zambia: Lessons Learnt and Future Directions
Frederic Baudron	Appropriate and Equitable Mechanization in Africa Through Conservation Agriculture: Use of Two-wheel Tractors, and Involvement of the Private Sector
Yash Dang	Strategic Tillage: Is it a Threat to Conservation Agriculture?

11:45 am - 12:00 pm

Discussion and general conclusions by Moderator

Session 5: Conservation Agriculture: Climate Change Impacts

Climate change will impact agriculture in all areas of the world. Conservation agriculture can provide a method of achieving climate resilience and increase production stability under conditions of increased climate stress.

Time/Speaker	Title/Event
10:15 am – 11:45 am	
Gottlieb Basch Moderator	Overview of Session
Jerry Hatfield ML Jat	Conservation Impacts on Climate Resilience Adaptation to and Mitigation of Climate Change Effects for Future Food Security in South Asia: Is Precision-Conservation Agriculture a Way Forward?
Tadesse Birhanu	Seasonal Climate Variability Dependent Effects of Conservation Agriculture Practices Across Different Agroecologies in Ethiopia
Ram A. Jat	Climate change Mitigation and Adaptation Potential of Conservation Agriculture: Effects on Rainwater Use Efficiency, Runoff, Soil Moisture, Soil Organic Carbon and Energy Use
Stefano Brenna	Environmental Outcomes of Conservation Agriculture in North Italy
11:45 am - 12:00 pm	Discussion and general conclusions by Moderator

Session 6: Conservation Agriculture: Producers as Innovators

Producers provide insights into the operational framework of farming systems and the experiences gathered from the international community on innovation by producers to help guide improvements in conservation agriculture.

Time/Speaker	Title/Event
10:15 am – 11:45 am	
Peter Gamache Moderator	Overview of Session
Tim Neale	Doubling the Worlds' Food Production, How New Technology Will Help
Azat Tileumuratov	The Lessons Learned in the Introduction of Zero Tillage in Dry Conditions in Karakalpakstan
Tom Basden	Evaluating Farmer Adoption of a set of Precision Nutrient Management Methods
Deivison Santos	Innovative Approaches to Address Challenges and Opportunities to Conservation Agriculture Adoption in the Brazilian Agricultural Frontier
Mahesh Gathala	Improving Livelihood of Resource Poor Farmers Through Conservation Agriculture-based Crop Management Techniques Under Rice-maize

11:45 pm - 12:00 pm Cropping Systems in Bangladesh
Discussion and general conclusions by Moderator

12:15 pm - 1:45 pm **Lunch**
Conversations with **Howard G. Buffett**
Chairman and CEO – The Howard G. Buffett Foundation
Moderator: Charlene Finck, Vice President, Editorial
Farm Journal Media

Concurrent Sessions

Panel Discussion

2:00 pm – 3:00 pm **International Nuffield Scholars on Conservation Agriculture**
Panelists: Blake Vince, Canada;
Natalie Williams, Australia; Stephen Briggs, UK;
Les Keeper, New Zealand
Moderator: Chuck Chaitovitz

Session 7: Nutrient Management: Innovative Use of 4R's in Conservation Agriculture

Improved nutrient management utilizing the 4R concept for nutrients can be linked effectively with conservation agriculture. These experiences will offer insights into how this linkage can occur.

Time/Speaker	Title/Event
2:00 pm – 3:00 pm Alan Kruszel Moderator M. Motior Rahman	Overview of Session Nitrogen Recovery and Agronomic Efficiency of Rice Under Tropical Conditions as Affected by Nitrogen Fertilizer and Legume Crop Rotation
Yashpal Saharawat	Nutrient Dynamics under Conservation Agriculture-based Cropping Systems
John Heard	Successful 4R Nutrient Stewardship Extension Techniques: Fertilizer Rate, Source and Placement
Mahesh Gathala	Comparative Productivity and Farmers?: Perceptions of Rice-maize System Performance Under Conservation Agriculture in Water-limited Environments of Southern Bangladesh

Session 8: Conservation Agriculture and the Changing Climate

Climate change is occurring at a faster rate than expected. Being able to cope with this rate of change offers new value to the role conservation agriculture can have in a more sustainable agriculture.

Time/Speaker	Title/Event
2:00 pm – 3:00 pm Gottlieb Basch Moderator Ernie Shea	Overview of Session Conservation Agriculture: A Critical Adaptive Management Strategy

Marlen Eve	Quantifying Farm-Scale Greenhouse Gas Fluxes in the U.S.: Methods, Challenges and Data Gaps
Li Hongwen	Conservation Agriculture in Asia
Shadananan Nair	Conservation Agriculture: An Option to Overcome the Agricultural Crisis in Kerala
Donald Reicosky	Carbon: The Synergy Element in No-Tillage and Cover Crops

Session 9: Adopting Conservation Agriculture to Smallholder Production

Throughout the world, smallholders are a critical part of the production infrastructure. The experiences discussed in this session will help us understand the limitations smallholders face in implementing conservation agriculture.

Time/Speaker	Title/Event
2:00 pm – 3:00 pm	
Neil Galbraith Moderator	
Erick Ruwona, Zimbabwe	Pitfalls to Avoid and Lessons Learnt for Sustainable Conservation Agriculture Adoption
Saidi Mkomwa, Kenya	Conservation Agriculture for Building Resilient Farming Systems in Africa: Extracts of the Lusaka 25by25 2014 Congress Declaration
Neil Rowe Miller, Southern Africa (Co-authors: Putso Nyathi, Mike Salomons)	Why Farmers Don't Do What We Tell Them (And Why It's a Good Thing)
3:00 pm – 4:00 pm	Trade Show/Networking Break Poster Viewing – Sessions 4, 5, and 6 - Hall A Poster session 4: Mechanization of Conservation Agriculture Poster session 5: Impacts of Conservation Agriculture on Crop Production Poster session 6: Response of Conservation Agriculture to Stress
3:45 pm (<i>first bus departs</i>)	Departure to Kelburn Farm
5:30 pm – 6:45 pm	Reception and Tours at Kelburn Farm – Join us for an educational and fun-filled evening as we tour this showcase farm and crop development centre. Learn about new products and innovative processes from industry specialists.
6:45 pm – 8:00 pm	Dinner at Kelburn Farm – Enjoy a spectacular “Taste of Manitoba” BBQ
8:30 pm (<i>first bus departs</i>)	Departure to Winnipeg

WEDNESDAY, JUNE 25

General Session

Time/Speaker	Title/Event
7:00 am – 8:00 am	Breakfast with Exhibitors
8:00 am – 9:00 am	Panel Discussion: Food Value Chain and Sustainable Sourcing

The demand from consumers for food and other products produced using sustainable methods is increasing. The market is responding. This panel discusses the implications for farmers and others in the food chain who are working to meet this demand. How will this drive to sustainability change the way we grow crops and deliver them to the plate?

Rod Snyder,

Moderator

Yves LeClerc, McCain Foods Limited

Nick Betts, Grain Farmers of Ontario

Lee Moats, Producer, Director Saskatchewan Pulse Growers

Concurrent Sessions

Session 10: Conservation Agriculture: Key to Intensifying Crop Production

To meet the world food needs, we will require agriculture to intensify crop production, enhance the soil resource, while still protecting the environment. Conservation agriculture is part of the foundation to achieve these goals for all scales of production.

Time/Speaker	Title/Event
9:15 am – 10:15 am	
Bill Kuenstler <i>Moderator</i>	Overview of Session and Posters
Gottlieb Basch	Mobilizing Greater Crop and Land Potentials with Conservation Agriculture
Seema Sepat	Comparative Evaluation of Conservation Agriculture Practices on Productivity and Sustainability of Pigeon pea (<i>Cajanus cajan</i> L)-wheat (<i>Triticum aestivum</i>) Cropping Systems under the Indo-Gangetic Plains of India
Amin Mugerá	Implications of Adoption of Zero Tillage (ZT) on Productive Efficiency: A Syrian Case
10:15 am – 11:00 am	
	Trade Show/Networking Break
	Poster Viewing – Sessions 10, 11, and 12 - Hall A
	Poster session 10: Intensifying Crop Production
	Poster session 11: Integrating Livestock with Crops
	Poster session 12: Producer Adoption of Conservation Agriculture
Molefi Mphesha	The Impact of Nitrogen, Cover Cropping and Tillage on Population Sizes of Nitrogen Cycling Bacteria Under a

Virender Kumar	Continuous No-Till Cotton Experiment in West Tennessee Can High Cereal Yields be Attained and Sustained with Less Resource Use in the Rice-wheat Cropping Systems of South Asia? A Case Study From Northwest India
11:30 am – Noon	Discussion of Posters and Presentations: Focus on the implications and applications to Conservation Agriculture

Session 11: Conservation Agriculture: Interfacing with Livestock Production

Livestock is a key component in agriculture systems and must be blended with crop production. The linkage between livestock and crop production using conservation agriculture can enhance the efficiency of both production systems.

Time/Speaker	Title/Event
9:15 am – 10:15 am	
Michelle Harland Moderator	Overview of Session and Posters
Martin Entz	Crop-livestock Integration in Conservation Agriculture Systems
Harun Cicek	Can Grazing Make Organic No-Till Possible?
10:15 am – 11:00 am	Trade Show/Networking Break Poster Viewing – Sessions 10, 11, and 12 - Hall A Poster session 10: Intensifying Crop Production Poster session 11: Integrating Livestock with Crops Poster session 12: Producer Adoption of Conservation Agriculture
Johann Strauss	An Economic Evaluation of Crop and Crop/Annual Legume Pasture Rotation Systems in the Swartland, Western Cape, South Africa
Klaas Martens	Topic to be announced
11:30 am – Noon	Discussion of Posters and Presentations: Focus on the implications and applications to Conservation Agriculture

Session 12: Conservation Agriculture: Producer Adoption

Conservation agriculture without adoption by producers will lack the impact necessary to affect crop and livestock production systems, increase soil health, and build climate resilient production systems. The goal is to increase producer adoption and insights that will help guide new research and outreach activities.

Time/Speaker	Event/Title
9:15 am – 10:15 am	
Tom Goddard Moderator	Overview of Session and Posters

Amit Roy Josef Kienzle	Adoption of Innovative Technologies Conservation Agriculture: A Precision Farming Tool for Smallholders
Stephen Loss	Farmer Development and Uptake of Zero Tillage in Mosul Iraq 2006-2013

10:15 am – 11:00 am

Trade Show/Networking Break
Poster Viewing – Sessions 10, 11, and 12 - Hall A
Poster session 10: Intensifying Crop Production
Poster session 11: Integrating Livestock with Crops
Poster session 12: Producer Adoption of Conservation
Agriculture

Renick Peries

A Pragmatic Approach to How Conservation Agriculture Helps
Southern Australian High Rainfall Zone (HRZ) Farmers to
Innovate Towards Productivity Gains

Kindie Tesfaye

Identifying Recommendation Domains for
Conservation Agriculture in Eastern and
Southern Africa

11:30 am - 12:00 pm

Discussion of Posters and Presentations:
Focus on the implications and applications
to Conservation Agriculture

12:15 pm – 1:45 pm

Lunch/Networking

General Session

Time/Speaker	Title/Event
2:00 pm – 3:30 pm Jerry Hatfield Moderator	Future Opportunities in Conservation Agriculture: Perspectives from the Congress and Program Committee Representatives
3:30 pm – 4:00 pm	Trade Show/Networking Break
4:00 pm – 4:45 pm	Closing Keynote: Vision and Challenges for Conservation Agriculture – Dr. Dwayne Beck
4:45 pm – 5:00 pm	Closing Remarks
6:00 pm	DINE-AROUND WINNIPEG – Enjoy your evening off by exploring the many fabulous restaurants that Winnipeg has to offer! This is a great opportunity to re-connect with colleagues and establish new industry friendships.

THURSDAY, JUNE 26

Canadian Tour
7:30 am Departure

This one-day Canadian tour will visit the South
Tobacco Creek Watershed research site and include 2
farm stops showcasing a no-till and a mixed
operation with forages in the rotation.

USA Tour

7:00 am Departure

This 3.5 day Dakota No-Till tour will take delegates through the heart of no-till farming areas of the north Midwestern USA. Hear from farmers that have been practicing no-till crop production for over two decades.