



**1st Canadian
Wheat Symposium
1^{er} Congrès
canadien sur le blé**

Agenda: 1st Canadian Wheat Symposium Nov. 30 – Dec. 2 2011

➤ **Wednesday Nov. 30**

12:00-13:00 – Lunch – Delta Ballroom – provided for 1st CWS registrants

13:00-14:30 – Plenary Session – Chairs: Brent McCallum and Ron DePauw

- 13:00-13:10 *Dr. Brent McCallum – AAFC-CRC*
Welcome and Introduction
- 13:10-13:50 *Dr. Ron DePauw – AAFC-SPARC*
“Canadian Triticologists”
- 13:50-14:30 *Dr. Gary Martens – University of Manitoba, Dept. of Plant Science*
“Canadian Wheat Pioneers”

14:30-15:00 – Coffee Break

15:00-16:30 – The Future Outlook for Wheat Development in Canada – Chair: Mark Jordan

- 15:00-15:30 *Dr. Stephen Fox – AAFC-CRC*
“The Future of Publicly Funded Wheat Development in Canada.”
- 15:30-16:00 *Mr. Norm Dreger – Syngenta*
“The Future of Corporate Wheat Development in Canada.”
- 16:00-16:30 *Dr. Viktoriya Galushko – University of Regina*
“Public/Private Partnerships in the Context of Wheat Development in Canada.”

16:30-18:30 – Poster Session and Opening Reception

➤ **Thursday Dec. 1**

7:00-8:30 – Breakfast buffet provided

8:30-10:00 – Wheat health issues – Chairs: Gavin Humphreys and Nancy Edwards

- 8:30-9:00 *Dr. Carla Taylor, Professor, University of Manitoba, Dept. of Human Nutrition*
“Human health issues and wheat.”
- 9:00-9:30 *Dr. Susan Altenbach, Research Biologist, USDA-ARS, Western Region Research Centre (Crop Improvement and Utilization), Albany, CA, USA.*
“Characterization of wheat proteins responsible for allergies and food intolerances.”
- 9:30-10:00 *Dr. Nancy Ames – AAFC-CRC*
“The Goodness of Wheat: Facts on Health Benefits of Wheat. ”

10:00-10:30 – Coffee Break

10:30-12:00 – Agronomy – Chairs: Martin Entz and Guy Lafond

- 10:30-11:00 *Dr. Guy Lafond – AAFC-Indianhead*
“Precision Farming with Real-Time Optical Sensors: Getting the wheat plant to tell us about its growth potential as a function of spatial and temporal conditions.”
- 11:00-11:30 *Mr. Lee Moats – Riceton, SK – Wheat producer*
“A producer's prospective of no-till wheat production in western Canada.”
- 11:30-12:00 *Dr. Fabian Menalled – Montana State University*
“Assessing the ecological basis of a multi-pest approach to management of wheat-fallow systems.”

12:00-13:00 – Lunch – Delta Ballroom

13:00-14:30 – Genomics and Genetics – Chairs: Curt McCartney and Curtis Pozniak

- 13:00-13:30 *Dr. Eduard Akhunov – Kansas State University*
“High-throughput approaches to genome-wide analysis of genetic variation in polyploid wheat”
- 13:30-13:50 *Dr. Curt McCartney – AAFC-CRC*
“Overview and Progress on the CTAG Project.”
- 13:50-14:10 *Dr. Francois Eudes – AAFC-LRC*
“Plant Organelle Transfection Using Cell Penetrating Peptide.”
- 14:10-14:30 *Dr. Colin Hiebert – AAFC-CRC*
“An Alternative Approach for Identifying the Chromosome Location of New Genes”

14:30-15:00 – Coffee Break

15:00-17:00 – Biotic Stress I – Chair: Tom Fetch

- 15:00-15:30 *Dr. Gene Milus –University of Arkansas*
“Epidemiology and management of wheat stripe rust in North America.”
- 15:30-16:00 *Dr. Brian Beres – AAFC-LRC*
“Integrating the building blocks of agronomy and biocontrol into an IPM strategy for wheat stem sawfly.”
- 16:00-16:20 *Mr. Ian Wise – AAFC-CRC*
“The development and deployment of genetic resistance to the orange blossom wheat midge.”
- 16:20-16:40 *Ms. Silvia Barcellos Rosa – AAFC-CRC and University of Manitoba*
“Chromosomal locations for leaf rust resistance genes in Toropi”
- 16:40-17:00 *Dr. Andre Comeau – AAFC- CRDSGC*
“The systemic approach : faster genetic progress for complex goals.”

17:00-18:00 – Poster Session II Happy Hour

➤ **Friday Dec. 2**

7:00-8:30 – Breakfast buffet provided

8:30-10:00 – Abiotic Stress – Chairs: Brian Fowler and Colin Hiebert

- 8:30-9:00 *Dr. Gavin Humphreys – AAFC-CRC*
“Weathering and pre-harvest sprouting resistance.”
- 9:00-9:20 *Dr. Natalia Bykova – Memorial University*
“Differential redox proteomic analysis of pre-harvest sprouting tolerance.”
- 9:20-9:40 *Dr. Monica Båga – Department of Plant Science, University of Saskatchewan*
“Analysis of traits associated with winter-survival in winter wheat (*Triticum aestivum*).”

9:40-10:00 – Biotic Stress II – Chair: Colin Hiebert

- 9:40-10:00 *Dr. George Fedak – AAFC-ECORC*
“Screening of Cytogenetic Stocks for Resistance to Ug99”

10:00-10:30 – Coffee Break

10:30-11:30 – Economics – Chair: Julian Thomas

- 10:30-11:00 *Mr. Michael Reimer – Canadian International Grains Institute*
“Markets and end use characteristics for Canadian Wheat.”
- 11:00-11:30 *Dr. Julian Thomas – AAFC-CRC*
“Yield and economic potential of western wheat classes.”

11:30-11:55 – Conference Summary and Wrap-up:

George Fedak ECORC-AAFC and Ron Knox SPARC-AAFC.

11:55-12:00 – Symposium conclusion:

Brent McCallum