Thank You to our Sponsors

Please click on the logos below and visit the home pages of our sponsors

Refreshment Breaks

Dow AgroSciences

Saskatchewan Pulse Growers

Global Information on Peas, Lentils, Beans and Chickpeas

Western Ag Innovations Inc.

Applying Research Solutions to Agriculture and the Environment

For more information about the Plant Root Simulator (PRS)™ Probes, please click here
Field Service Representatives

For more information about the PRS™ Nutrient Forecaster, please click here

Graduate Student Prizes

Dow AgroSciences

CropLife Canada
Saskatchewan Organic
- Saskatchewan Organic: where we are today – Brenda Frick
- Saskatchewan Organic: trends and demographics — Ann Cooney

Concurrent Sessions - Thursday Morning

Forages and Feeds
- Competition and light quality effects on Russian wildrye seedling growth – P. G. Jefferson
- Predicting forage nutritive value from height and maturity of alfalfa in Saskatchewan – K. Olfert
- Effect of P fertilization management on alfalfa forage production and on soil available P. – P.F. Selles
- Predicting seed germination of witnerfat (Eurotia lanata), a native forage species. – R. Wang

Manure Management
- Soil and canary seed yield response over three years to a single application of poultry manure on a heavy clay soil near Regina. – S.P. Mooleki
- Surface soil nutrient contents and crop yields after five to seven annual applications of manure – T. King
- Soil conditions and early plant growth as influenced by repeated manure applications – M. Japp
- Impact of repeated manure applications on metal load and plant availability in Saskatchewan soils. – S. Lipoth

SIA Luncheon
- Breeding Perennial Grain Crops for a Genuinely Sustainable Agriculture – Dr. Stan Cox, The Land Institute, Salina, KS

Concurrent Sessions - Thursday Afternoon

Integrated Pest Management
- Evaluation of intergeneric and synthetic wheat lines for resistance to Fusarium head blight. – A. Breker
- Agronomic factors associated with the development of Fusarium head blight in spring wheat in southeast Saskatchewan – M. Fernandez
- Performance of Roundup Transorb compared to commercial herbicides in Roundup Ready wheat. - R. Ripley
- Wild oat (Avena fatua L.) time of emergence and density influence tame oat (Avena satifa L.) yield and quality. – C. Willenborg
- Submerged fermentation of Colletotrichum truncatum for biological control of Scentless Chamomile – F. Dokken
- Efficacy of New vitaflo 280 (Carbathiin and Thiram) to control soil-and seed-borned diseases of pea and lentil. – A. Matus

Pollination / Oilseeds
- The pollinators of Echinacea angustifolia in Saskatchewan – T. Wist
- The influence of floral nectar-sugar production on insect visitors of Brassica rapa L. – M. Taylor
- Biomass and nutrient accumulation in hybrid canola – R. Karamanos
- Effect of seeding date, environment and storage on canola seed vigor – L. Gusta
- Impact of tillage system, preceding crops and P fertilizer on economic performance of flax production. – M. Khakbazan
- Profiting from oilseed flax straw. – R. Marleau

**FRIDAY, FEBRUARY 20**

**Concurrent Sessions - Friday Morning**

**Agronomy / Crop Management**
- Optimum seeding rate for three annual green manure crops: the effect of weed competition – Y. Lawley
- Top-dressing durum with nitrogen to manage protein. – W. May
- Should Agrotain rates for seedrow applications be reduced? – J. Harapiak
- Past, present and future: maximizing pre-harvest sprouting resistance in white- and red-seeded wheat. – M. Matus-Cádiz
- Managing fertility in pulse-based cropping systems. – Y. Gan
- Effects of enhanced UVR on wheat under different temperature, solar light and soil moisture conditions. – Y. Zheng
- Effect of straw on soil environment and crop yield in dryland of China – M Yang
- Social benefits from shelterbelts in Canadian prairie provinces. – S. Kulshreshtha

**Soil Microbiology / Microclimate Monitoring**
- From the laboratory to the market place: Scientific challenges in commercializing a phosphate solubalizing microorganism. – M. Leggett
- Growth promotion of pea and lentil by Rhizobacteria isolated from Saskatchewan soils. – G. Leung
- Molecular detection of arbuscular mycorrhizal fungi in Saskatchewan soils – W. Ma
- Influence of urease and nitrification inhibitors on ammonium and nitrate supply and the soil microbial population in western Canadian soil – C. Luca
- Modification of canola seed exudates pH by rhizobacteria and influence on germination. – E. Pensaert
- Evaluation of remote sensing approaches to monitor crop conditions under specific input levels and cropping diversity. – X. Guo
- Stubble height effects on crop micro-climate in a sub-humid environment. – K. Volkmar
- Forb abundance detection in northern mixed grass prairies using remote sensing techniques. – C. Zhang

**Concurrent Sessions – Friday Afternoon**

**Agri-ARM**
- Introduction to Agri-ARM. — J. McConnell
- Project results - Wheatland Conservation Area, Inc. — B. Nybo
Centre update - Saskatchewan Conservation Learning Centre. — L. Hayes

Project results - East Central Research Foundation. — K. Stonehouse

Project results - South East Research Farm. — B. Briggs

Graduate Student Seminar Presentations

- Environmental and maternal effects on reproductive traits in grasses - Pam Lerner
- Symbiotic nitrogen fixation Response to Drought for cool season legumes in Saskatchewan - Dil Thavarajah
- Assessing the risks associated with the introduction of Roundup Ready® wheat. – Chris Willenborg
- Understanding multivariate statistics in weed science - Rachel Buhler
- Fungal Transformation and its application in plant pathology - Jie Feng
- QTL mapping of Lodging resistance genes on pea - Chunzhen Zhang
CROPS POSTERS

- Inducing earliness in chickpea through secondary traits - Yadeta Anbessa
- Fungicide application timing for management of ascochyta blight in chickpea - Cheryl Armstrong-Choo
- Canopy architecture and population density effects on chickpea - Rosalind Ball
- Chickpea seed size and seed quality relationships - Rosalind Ball
- Management practices influencing herbicide resistance in wild oat (Avena fatua) - Hugh Beckie
- Improving the visual quality of pulse crops – Bert Vandenberg
- When is a pinto a pinto? Kirstin Bett
- Evaluation of the bloating potential and grazing performance of AC-Grazeland verses a mixed AC-Grazeland and Sainfoin pasture for beef cattle in southwest Saskatchewan - Ed Birkedal
- Determine the swath grazing and forage quality potential of Westford forage barley and Manta and German foxtail millet for beef cattle in southwest Saskatchewan - Ed Birkedal
- Using tissue culture to improve genetic resistance to anthracnose in lentil - Jane Chongo
- Evaluation of resistance to ascochyta blight in cultivated and wild species of chickpea – Godfrey Chongo
- Nodulation and yield responses to “Starter” N and P in dry pea, lentil, and chickpea - Yantai Gan
- Maintaining colour and price of pinto beans - Donna Junk
- Biomass accumulation and nutrient uptake of pulses at different growth stages in the Parkland region of Saskatchewan - S.S. Malhi
- Factors affecting yield variations of various crops in Northeastern Saskatchewan - S.S. Malhi
- Long-term fertilization effects on crop yield and Nitrate-N accumulation in soil in Northwestern China - S.S. Malhi
- Potential impact of global warming on forage yield in South-Central Alberta - S.S. Malhi
- Biomass accumulation and nutrient uptake of cereals at different growth stages in the Parkland region of Saskatchewan - S.S. Malhi
- Biomass accumulation and nutrient uptake of oilseeds at different growth stages in the Parkland region of Saskatchewan - S.S. Malhi
- Applications of synchrotron-based analysis of soils and crops research - Toju Ogunremi
- Identification of novel sources of Fusarium head blight resistance for durum wheat - Curtis Pozniak
Herbicides for control of round-leaved mallow (Malva rotundifolia) - Kenneth Sapsford

Application of a mustard root length bioassay to assess phytotoxicity of a range of Group 2 herbicides - Anna Szmigielski

Developing bean varieties with common bacterial blight resistance using marker-assisted backcrossing - Bunyamin Tar’an

Residual weed populations in Saskatchewan - 1976 to 2003 - A. Gordon Thomas

Development of a cDNA based rapid screening method for ascochyta blight resistance in lentil (Lens culinaris L.) - Peruma Vijayan,

Flax fiber–reinforced composites: The influence of fiber surface chemical treatment on mechanical performance - Bei Wang,

Identification of genes related to frost tolerance in Phaseolus angustissimus - Grant Woronuk,

Effect of cropping frequency on grain yield, N balance, and economic returns of spring wheat production in southwestern Saskatchewan - R.P. Zentner,

Implementation of marker-assisted selection for lodging resistance in pea breeding - Chunzhen Zhang,

SOILS POSTERS

Effect of cropping frequency on C storage in Canadian prairie soils - C.A. Campbell

Evaluation of resistance to ascochyta blight in cultivated and wild species of chickpea - Godfrey Chongo

Seasonal drought occurrence in southwestern Saskatchewan - Herb Cutforth

Factors limiting soil microbial growth and activity in wheat-based cropping systems - Chantal Hamel

Long-Term Impact of Wheat-Based Cropping Systems on Soil Biological Activity - Chantal Hamel

Understanding Microbially Mediated Processes Involved in N, P and C Cycling in Wheat-Based Cropping Systems - Chantal Hamel

Seasonal temperature trends in the semiarid prairie of southwestern Saskatchewan - Herb Cutforth

Rotation and fertility effects on root rot of spring wheat in southwest Saskatchewan - Myriam Fernandez

Fusarium species in underground tissue of pulse, oilseed and cereal crops grown in southeastern Saskatchewan - Myriam Fernandez

Colonization of cereal and noncereal crop residues by Fusarium spp. in eastern Saskatchewan - Myriam Fernandez
- Chickpea seed size and seed quality relationships – K Krieger
- Biocontrol of damping-off and root-rot causing fungi by Rhizobacteria isolated in Saskatchewan – Grant Leung
- Long-term tillage, straw and N rate effects on quantity and quality of organic C and N in a black chernozemic soil - S.S. Malhi
- Spatial variability of available nutrients in soil in nearly level fields in Northeastern Saskatchewan - S.S. Malhi
- Long-term tillage, straw and N rate effects on quantity and quality of organic C and N in a gray luvisolic soil - S.S. Malhi
- Response of soil physical properties to tillage and straw management on two contrasting soils in a cryoboreal environment - S.S. Malhi
- Effect of rotation and short-term tillage on soil quality after long-term zero tillage - Alan Moulin
- Influence of manure application on extractable potassium in a range of prairie soils – P. Qian
- Improving the visual quality of pulse crops - Bert Vandenberg
- *Escherichia coli* O157:H7 dynamics in Saskatchewan soils and microcosms – S. Vidovic
- Be aware of the drought risk - Hong Wang
- Nitrous oxide emissions from soil profiles seeded with pulse crops - Zhaozhan Zhong