



# Canadian Weed Science Society

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## Société canadienne de malherbologie

Newsletter

Fall/Winter 2015

### Message from the President Eric Johnson

Inside this issue:  
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Our appreciation to  
the following com-  
panies for their  
support:

**BASF Canada**  
**Bayer CropScience**  
**Dow AgroSciences**  
**Canada Inc.**  
**Monsanto Canada**  
**Syngenta Canada**  
**Inc.**  
**DuPont Canada**  
**FMC**  
**Nufarm**  
**NovaSource**  
**(Tessenderlo**  
**Group)**  
**AgQuest**  
**Arysta LifeScience**  
**Valent**

Greetings CWSS-SCM members! It won't be long until we will be attending the Annual Meeting in Edmonton. I am looking forward to seeing everyone but not looking forward to being reminded about the Riders 2-16 record! Fortunately, the Leafs are just as bad.

First off, I want to congratulate and thank the members who let their names stand for the vacant Board of Director positions. Keeping in step

with the federal election, we were able to recruit people with nice hair! Steve Shirliffe will take over the role as Member-At-Large West replacing the retired Ken Sapsford. Rene Van Acker was also acclaimed as Second Vice-President. Both of them will commence their duties after the Annual Meeting. If you are interested in a board or committee position in the future, please talk to one of the MAL's or me as we make up the nominations committee. Meghan

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**President's Message continued**

Moran is the MAL East.

A few things to update you on. We have nearly finalized the criteria for the newly created CWSS-SCM Outstanding Professional Staff Award. We are in the process of finding a sponsor and plan to receive nominations for the award in 2016. On another note, the sale of the Canadian Journal of Plant Science from the Agriculture Institute of Canada to Canadian Science Publishers has been finalized (<http://www.cdnsiencepub.com/our-journals/canadian-journal-of-plant-science.aspx>).

Recently, we have run into situations where award winners were not able to receive cash prizes due to company policy; thus, the money had to be returned to CWSS-SCM. The Board discussed a number of options as to what to do with the returned money. Consideration was given to giving the money to a registered charity or setting up an account for a CWSS-SCM special project. A motion was made and passed to set up an account that will be used to expand and improve the CWSS-SCM Undergraduate Travel Program. We will discuss this with the membership at the General Meeting.

I also want to thank everyone who nominated members for awards. Other than the Fellow Award, we have award winners for every other category this year!

It's been a pleasure serving as President the past year. I've really enjoyed working with the Board and Anita, but I have to say that I am really looking forward to my nice hotel room in Moncton in 2016.

Looking forward to seeing you in Edmonton.

**The 2015 November CWSS-SCM Annual Meeting will be held at the Westin in Edmonton, Alberta, from November 23 to 27, 2015**

## JOIN OUR SOCIETY

If you have not paid your membership dues for 2015, you can now do so online. If you attended our Montreal meeting, your fees for 2015 were included in the meeting fees. If you weren't able to attend you can become a member or renew your membership by the online link: <http://www.regonline.ca/canadianweedsciencemembership> .

Regular: (Educators, extension agents, government employees, growers, commercialization agents, regulators, researchers) - \$100

Student in an International University: - \$50

Retired: (Any person who has been a member of CWSS-SCM and has retired) - \$0

Student in a Canadian University with signature of supervisor: - \$0, please send in a copy of the registration form signed by your supervisor. Send in a copy of [our membership form](#).

## November 22-24, 2016 CWSS-SCM Annual Meeting at Delta Beausejour in Moncton, NB



Shoppes and Restaurant Wharf Village at Magnetic Hill, Moncton, 2005 by photographer :Brian Atkinson

Tidal bore, Moncton, 1990 by photographer :Mary Ellen Nealis



Start planning for next year's CWSS-SCM meeting in Moncton, New Brunswick. The Local Arrangements Committee headed by Gavin Graham have already had a few meetings to start planning this meeting.



The Delta Beausejour

## **2015 Annual Meeting in Edmonton Preliminary Schedule**

### **November 22, 2015**

12:00 pm - 4:00 pm CWSS-SCM Board Strategic Planning Meeting Leduc

### **November 23, 2015**

9:00 am - 5:00 pm CWSS Board Meeting Leduc

1:00 pm - 5:00 pm Pre-Conference Event Off-site

1:00 pm - 8:00 pm Registration Banquet Level Foyer

4:00 pm - 8:00 pm Exhibits and Poster Set Up BC/AB

5:00 pm - 6:00 pm Grad Student Meet & Greet with Board Chairman Room

6:00 pm - 7:00 pm General Meet and Greet Banquet Level Foyer

7:00 pm - 9:00 pm President's Dinner Share Restaurant

### **November 24 2015**

7:00 am - 8:00 am Breakfast Banquet Level Foyer

7:00 am - 5:00 pm Exhibits and Poster Set Up BC/AB

7:00 am - 5:00 pm Registration Banquet Level Foyer

7:55 am - 7:58 am Introduction Dr. Linda Hall MB/SK

7:58 am - 8:05 am Brief retrospective Dr. Hugh Beckie MB/SK

8:05 am - 9:00 am RNAi – Opportunities for resistant weed control Dr. Doug Sammons MB/SK

9:00 am - 10:00 am Molecular Weed Science – Down the rabbit hole of big data Dr. Todd Gaines MB/SK

10:15 am - 11:00 am The latest developments in weed science and control Dr. Kevin Price MB/SK

11:00 am - 12:00 pm Next Gen Herbicides – Natural Products Franck E. Dayan MB/SK

12:00 pm - 1:00 pm Lunch Devonian

1:00 pm - 3:30 pm Grad Student Presentations MB/SK

3:30 pm - 3:45 pm Break BC/AB

3:45 pm - 6:00pm Grad Student Presentations MB/SK

## **2015 Annual Meeting in Edmonton**

### **November 25, 2015**

6:45 am - 7:45 am 2015 and 2016 LAC Breakfast Chairman Room  
7:00 am - 12:00 pm Registration (AISC 1 day attendees) Banquet Level Foyer  
7:00 am - 8:00 am Breakfast & Poster Viewing – Authors present BC/AB  
8:00 am - 9:50 am CWSS/AISC Joint Plenary II MB/SK  
9:50 am - 10:10 am Break BC/AB  
10:10 am - 11:30 am CWSS/AISC Joint Plenary II MB/SK  
11:30 am - 12:30 pm Lunch Devonian  
12:30 pm - 3:00 pm Provincial Reports Yukon  
Time TBA—Earlier start for Weed Biology and Invasive Weeds Yukon  
12:30 pm - 3:00 pm Corn, Soybean and Edible Beans Turner Valley  
3:00 pm - 3:15 pm Break BC/AB  
3:15 pm - 5:15 pm Forage, rangeland, forestry and IVM Turner Valley  
3:15 pm - 5:15 pm Weed Biology and Invasive Weeds Yukon  
5:30 pm - 6:00 pm AISC Debrief and Research Priorities Yukon  
6:00 pm - 8:00 pm CWSS-SCM Awards and Dinner MB/SK  
8:00 pm - 10:00 pm CWSS-SCM Industry Reception Banquet Level Foyer

**Wednesday's schedule differs from other years with the banquet in the evening and with AISC sessions during the day.**

### **November 26, 2015**

7:00 am - 9:00 am Breakfast and CWSS-SCM Annual General Meeting MB/SK  
9:15 am - 10:15 am Workshop A: I've Never Seen That Weed Before – Weed Families & Kin ID" Workshop Stephen Darbyshire, Turner Valley  
9:15 am - 10:15 am Workshop B: What every agronomist should know about Stats— – Eric Johnson, Neil Harker, Steve Shirliffe, Yukon  
10:15 am - 10:30 am Break BC/AB  
10:30 am - 12:30 pm Cereals, Oilseeds and Pulses Yukon  
10:30 am - 12:30 pm Hort and Special Crops Turner Valley  
12:30 pm - 1:30 pm Board Lunch Leduc

## **2015 Annual Meeting in Edmonton Pre-conference tour**

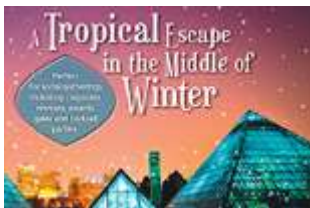
Come a little earlier and take in the Pre-conference tour - Muttart Conservatory and Yellowhead Brewery for \$30 on Monday, November 23, 2015 from 1 to 5 PM.

### PRE-CONFERENCE EVENT -MUTTART CONSERVATORY AND YELLOWHEAD BREWERY

#### Timeline

- 1:00 pm- Leave the hotel
- 1:30 pm- Begin tour at the Muttart Conservatory
- 2:30 pm- Muttart tour ends
- Load bus
- 3:15 pm- Brewery Tour
- 4:00 pm- Brewery Tour ends- return to hotel

Cost: \$30



#### [Muttart Conservatory](#)

“The Muttart Conservatory is unique at first sight. This innovative botanical garden sets the pace for plant science in western Canada and defines Edmonton’s skyline with striking glass pyramids rising from river valley. Inside the pyramids, three biomes are in the Conservatory’s year-round displays. A fourth pyramid houses creative feature displays, changing up to eight times a year. As an accredited museum, the Muttart Conservatory preserves and grows one of Canada’s largest botanical collections, and shares knowledge and enthusiasm with visitors.”

#### [Yellowhead Brewery](#)

“Located in the heart of downtown Edmonton, Yellowhead Brewery Company provides one of Canada’s finest micro brewed beers, Yellowhead Premium lager.

We are a multi faceted company that is making a name for ourselves by providing one of city’s most unique event spaces. From weddings to corporate events and everything in between we are sure to make your event unforgettable. On site catering is our specialty. Yellowhead Brewing Company is Edmonton owned and operated. We engage with local communities, small businesses and cultural organizations and provide an excellent quality local option beer. The brewery is located in the historic “Shaw Building” and was redesigned by local architect Gene Dub .”

**69<sup>th</sup> Annual Meeting / 69<sup>e</sup> Réunion annuelle**  
**November 23<sup>rd</sup> to 27<sup>th</sup>, 2015 /23 au 27 novembre 2015**  
**The Westin / Edmonton, Alberta**

**[Click here to Register Now](#)**

Or go to <http://weedscience.ca/> for information

**2015 Annual Meeting in Edmonton**  
**Session talks ordered by author (not in order of presentation)**

Title	Type	Assigned Section	Authors
The effect of mechanical weeding and cover crop on weed control and seed yield in organic flax ( <i>Linum usitatissimum</i> L.)	Oral	Cereals, Oilseeds and Pulses	Duddu, Hema *
Cultural techniques for integrated wild oat management	Oral	Cereals, Oilseeds and Pulses	Harker, Kenneth N * O'Donovan, John T Blackshaw, Robert E Johnson, Eric N Pageau, Denis Shirtliffe, Steven J Gulden, Robert H Rowell, John Hall, Linda Willenborg, Christian J
Arylex™ active (Halaxifen-methyl): Recrop Intervals for Pulse Crops and Potato in Western Canada	Oral	Cereals, Oilseeds and Pulses	Juras, Len * Degenhardt, Rory Smith, Laura MacRae, Andrew
Ethalfuralin Efficacy In Minimal Disturbance Fields In The Black Soil Zone Of Western Canada	Oral	Cereals, Oilseeds and Pulses	MacRae, Andrew W * Smith, Laura Degenhardt, Rory Juras, Len Ashigh, Jamshid
Control of Volunteer Canola in Sunflower with Sulfentrazone and Imazamethabenz	Oral	Cereals, Oilseeds and Pulses	May, William *
Arylex™ Active (Halaxifen-methyl) plus Pyroxulam for Broadleaf and Grass Control in Western Canada Cereal Crops	Oral	Cereals, Oilseeds and Pulses	Smith, Laura * MacRae, Andrew Degenhardt, Rory Juras, Len
Managing seed production of herbicide resistant weeds in lentil with pre-harvest herbicide application	Oral	Cereals, Oilseeds and Pulses	Syrov, Angelena D * Shirtliffe, Steven J Johnson, Eric N Willenborg, Christian J
Factors affecting spray deposition in mature canopies	Oral	Cereals, Oilseeds and Pulses	Wolf, Tom *

**2015 Annual Meeting in Edmonton**  
**Session talks ordered by author (not in order of presentation)**

Title	Type	Assigned Section	Authors
Weeds in organic vs. conventional cropping systems: What we have learned after 18 years of research	Oral	Graduate Student Presentation	Benaragama, Dilshan I *
How to improve the consistency of glyphosate-resistant Canada fleabane ( <i>Conyza canadensis</i> L. Cronq.) control with saflufenacil: an investigation of tank mix partners and optimal time of day application	Oral	Graduate Student Presentation	Budd, Christopher * Sikkema, Peter Robinson, Darren
Evaluating Seed Shatter of Economically Important Prairie Weed Species	Oral	Graduate Student Presentation	Burton, Nikki R *
Glyphosate-resistant common ragweed: two-pass herbicide programs in Roundup Ready and Roundup Ready Xtend Soybean	Oral	Graduate Student Presentation	Byker, Holly * Sikkema, Peter Robinson, Darren Tardif, Fran�ois J Laforest, Martin Lawton, Mark
Volunteer Canola in Soybean: Shifting the competitive balance	Oral	Graduate Student Presentation	Geddes, Charles *
<b>Manuka Oil: A Potential Herbicide for Organic Vegetable Production</b>	Oral	Graduate Student Presentation	Harris, Sierra * Van Acker, Rene
Below ground activities as influenced by crops and weeds: the case of extracellular DNA (eDNA)	Oral	Graduate Student Presentation	Kamino, Leila * Gulden, Robert H
Determining optimum plant populations in different lentil classes	Oral	Graduate Student Presentation	Kasper, Kali *
The Role of Olfaction in Brassicaceous Weed Seed Predation	Oral	Graduate Student Presentation	Kulkarni, Sharavari S * Spence, John R Willenborg, Christian J



**continued**

Title	Type	Assigned Section	Authors
Unique subcellular discoveries in glyphosate resistant giant ragweed, a role for programmed cell death?	Oral	Graduate Student Presentation	Lesperance, Mackenzie A * Costea, Mihai Hall, J. Chris Kim, Sang Bog Sikkema, Peter Tardif, François J
Halosulfuron tank mixes applied PPI and PRE in white bean	Oral	Graduate Student Presentation	Li, Zhenyi * Sikkema, Peter Van Acker, Rene Robinson, Darren Soltani, Nader
Wild oat ( <i>Avena fatua L.</i> ) populations resistant to triallate may also be resistant to pyroxasulfone and sulfentrazone	Oral	Graduate Student Presentation	Mangin, Amy R *
Comparision of Artificial Neural Network (ANN) and Logistic Regression as potential models for predicting weed populations in dryland winter wheat fields in Kurdistan province, Iran	Oral	Graduate Student Presentation	Mansourian, Sahar * Izadi Darbandi, Ebrahim Rashed Mohassel, Mohammad Hassan Rastgoo, Mehdi Kanouni, Homayoun
Singlet oxygen signals response of soybean seedlings to neighbouring weeds	Oral	Graduate Student Presentation	McKenzie-Gopsill, Andrew G * Amirsadeghi, Sasan Earl, Hugh Lukens, Lewis Lee, Elizabeth Swanton, Clarence
Evaluating a two-pass herbicide system for managing glyphosate-resistant canola in glyphosate-resistant soybean crops	Oral	Graduate Student Presentation	Mierau, Ally *
Unlocking the potential of spectroscopy in herbicide research	Oral	Graduate Student Presentation	Pajic, Vladimir *
Improving weed management in flax with integrated weed management	Oral	Graduate Student Presentation	Petruic, Moria * Willenborg, Christian J Johnson, Eric N Tozzi, Eric
Linking seed bank composition and spatial variation in vegetation to pipeline disturbance in mixed-grass prairie	Oral	Graduate Student Presentation	Pyle, Lysandra A *

**2015 Annual Meeting in Edmonton**  
**Session talks ordered by author (not in order of presentation)**

Title	Type	Assigned Section	Authors
Inter-row Cultivation in Organic Pulse Production	Oral	Graduate Student Presentation	Stanley, Katherine * Shirtliffe, Steven J
Sulfentrazone Tank-mix Partners for Grass Control in Ontario Dry Beans ( <i>Phaseolus vulgaris</i> L.)	Oral	Graduate Student Presentation	Taziar, Allison *
Potential Effects of Harvest Weed Seed Control on Wild Oat ( <i>Avena fatua</i> ) Populations Based on Demographic Modelling	Oral		Tidemann, Breanne * Hall, Linda Harker, K. Neil Alexander, Brendan C Polziehn, Kristina
Interaction Between Xtendimax™ and Group 1 Herbicides for the Control of Volunteer Corn in Soybean.	Oral	Graduate Student Presentation	Underwood, Matthew G *
Exploiting Weaknesses in Weeds Life Cycles in Order to Optimise Herbicide Resistance Prevention Strategies	Oral	Graduate Student Presentation	Valente, Tasha * Tardif, François J Cowbrough, Michael
Evaluation of new herbicide options for control of foxtail barley ( <i>Hordeum jubatum</i> ) in spring wheat	Oral	Graduate Student Presentation	Vercaigne, Mathew * Hall, Linda

Does tolerance to preemergence fomesafen tank mixes vary among cucurbit crops?	Oral	Horticulture and Special Crops	Robinson, Darren * Bilyea, David
Seed bank characteristics, seedling recruitment, and management of fescues ( <i>Festuca</i> spp.) in wild blueberry.	Oral	Horticulture and Special Crops	White, Scott N * Kumar, Shanthanu K

**continued**

Title	Type	Assigned Section	Authors
Environmental Fate of Aminocyclopyrachlor and the impact on non-target vegetation when using Aminocyclopyrachlor (Navius VM and Truvist) in Industrial Vegetation Management (IVM)	Oral	Industrial Vegetation and Range-land	Chambers, Darrell *
Impacts of single and repeated glyphosate herbicide applications on plant community diversity and spruce growth in an Alberta spruce plantation.	Oral	Industrial Vegetation and Range-land	Comeau, Phil *
A Quantitative Comparison of Risk Management Systems for Forestry Aerial Application in AB and ON	Oral	Industrial Vegetation and Range-land	Mihajlovich, Milo *
Forest vegetation management in boreal stands: long-term impacts of silviculture intensity on stand productivity, structure and diversity	Oral	Industrial Vegetation and Range-land	Thiffault, Nelson *
Control of Volunteer Potato	Oral	Regulatory Reports	Graham, Gavin L *
Is Jimsonweed Invading Alberta?	Oral	Regulatory Reports	Neeser, Chris
CFIA Update: Weed Seeds, Pests and Pathways	Oral	Regulatory Reports	Rowan, Christina, Karen Castro, Wendy Asbil
Effect of herbicide residues on cover crop performance and function	Oral	Soybean, Corn, and Edible Beans	Robinson, Darren * Sikkema, Peter McNaughton, Kris
Glyphosate-resistant giant ragweed control in corn and wheat	Oral	Soybean, Corn, and Edible Beans	Sikkema, Peter * Mahoney, Kris J McNaughton, Kris Soltani, Nader
Seed treatments and the enhancement of stress tolerance	Oral	Soybean, Corn, and Edible Beans	Swanton, Clarence *
Fight the Light: Reducing Herbicide Dependence with Agronomy in a Corn-Soybean-Wheat Rotation	Oral	Soybean, Corn, and Edible Beans	Tardif, François J * Cowbrough, Michael
How to comply with new drift label statements for dicamba and 2,4-D choline	Oral	Soybean, Corn, and Edible Beans	Wolf, Tom *

**2015 Annual Meeting in Edmonton**  
**Session talks ordered by author (not in order of presentation)**

Title	Type	Assigned Section	Authors
Gene flow in kochia ( <i>Kochia scoparia</i> L. Schrad.)	Oral	Weed Biology and Ecology / Invasive and Noxious Weeds	Beckie, Hugh J *
Are there fitness consequences of EPSPS gene-amplification in <i>Kochia scoparia</i> ? The results of a competitive, segregating F2 greenhouse experiment	Oral	Weed Biology and Ecology / Invasive and Noxious Weeds	Benedict, Leshawn Sauder, Connie A James, Tracey Olivera deCosta, Leandro Hall, Linda Beckie, Hugh J Martin, Sara L *
Biodiversity And Ethnobotanical Aspects Of Weeds: Case Study In An Small Area Of Colombia, South America	Oral	Weed Biology and Ecology / Invasive and Noxious Weeds	Granados, Juan Carlos *
Persistence and invasiveness of genetically modified canola in Canada: A demographic comparison of open pollinated and hybrid canola	Oral	Weed Biology and Ecology / Invasive and Noxious Weeds	Hall, Linda * Alexander, Brendan C Beckie, Hugh J Clements, David Nurse, Rob E Simard, Marie-Josee
The mechanism by which amino acid biosynthesis inhibiting herbicides control broomrapes ( <i>Orobanche</i> and <i>Phelipanche</i> spp.)	Oral	Weed Biology and Ecology / Invasive and Noxious Weeds	Hershenhorn, Joseph *
Smartphone Application for Invasive Plant Identification and Reporting in Alberta	Oral	Weed Biology and Ecology / Invasive and Noxious Weeds	Hini, Elinam *

**continued**

Title	Type	Assigned Section	Authors
Weed Legislation Has Challenges	Oral	Weed Biology and Ecology / Invasive and Noxious Weeds	Kimmel, Nicole *
Linking Research with Land Managers –A Regional Perspective	Oral	Weed Biology and Ecology / Invasive and Noxious Weeds	Larson, Todd *
Parasitism of weeds and native species by a potential weed, the introduced exotic, <i>Thesium ramosum</i>	Oral	Weed Biology and Ecology / Invasive and Noxious Weeds	McLean, Mary Ann *
Impact of post-anthesis glyphosate on woolly cup-grass seed production, seed weight and seed viability.	Oral	Weed Biology and Ecology / Invasive and Noxious Weeds	Nurse, Robert E * Darbyshire, Stephen Simard, Marie-Josée
Puncturevine Control in the South Okanagan	Oral	Weed Biology and Ecology / Invasive and Noxious Weeds	Sapsford, Ken * Scott, Lisa
Using the Organic weed puller to remove tall weeds in soybean: Lessons learned from the first trial	Oral	Weed Biology and Ecology / Invasive and Noxious Weeds	Simard, Marie-Josée * Nurse, Rob E Page, Eric R
GIS assessment of the risk of gene flow from <i>Brassica napus</i> to its wild relatives in China	Oral	Weed Biology and Ecology / Invasive and Noxious Weeds	Wei, Wei *

**2015 Annual Meeting in Edmonton**  
**Session talks ordered by author (not in order of presentation)**

Title	Type	Assigned Section	Authors
Influence of plant growth regulator application and nitrogen fertilization on oat yield and standability	Poster	Cereals, Oilseeds and Pulses	Aidoo, Joseph P * Hall, Linda Strydhorst, Sheri May, William
Control of Volunteer Enlist Corn in Enlist Soybean	Poster	Soybean, Corn, and Edible Beans	Ashigh, Jamshid * MacRae, Andrew Smith, Laura
Effect of late herbicide applications on growth and reproductive ability of glyphosate-resistant common ragweed ( <i>Ambrosia artemisiifolia</i> L.)	Poster	Weed Biology and Ecology / Invasive and Noxious Weeds	Bae, Jichul * Nurse, Robert E Simard, Marie-Josée Page, Eric R
Weed population response to rotation and conservation practices in a 12-year study	Poster	Weed Biology and Ecology / Invasive and Noxious Weeds	Blackshaw, Robert E *
Development of a Bioherbicide for the control of <i>Conyza</i> spp. in Brazil	Poster	Soybean, Corn, and Edible Beans	de Fatima Fernandes, Alessandra de Fatima Fernandes Boyetchko, Sue *
Emergence nature of <i>Galium</i> spp. populations from W. Canada	Poster	Weed Biology and Ecology / Invasive and Noxious Weeds	De Roo, Andrea C * Willenborg, Christian J
Sensitivity of canola and soybean to dicamba in a replacement series experiment	Poster	Soybean, Corn, and Edible Beans	Gulden, Robert H *
Garlic mustard spreads to Alberta: Urban invasive species in undergraduate research initiatives	Poster	Weed Biology and Ecology / Invasive and Noxious Weeds	Hills, Melissa *

## continued

Title	Type	Assigned Section	Authors
Genetic transformation of Canadian pea ( <i>Pisum sativum</i> L.) for drought tolerance using DREB2a and PR10a genes	Poster	Cereals, Oilseeds and Pulses	Kahlon, Jagroop G * Negawo, Alemayehu Teressa Hassan, Fathi Jacobsen, Hans-Joerg Hall, Linda
A New Target Site Mutation Conferring Broad Spectrum Resistance to ALS-Inhibiting Herbicides	Poster	Industrial Vegetation and Rangeland	Laforest, Martin *
Residual Weed Populations in Saskatchewan – 1976 to 2015	Poster	Weed Biology and Ecology / Invasive and Noxious Weeds	Leeson, Julia *
First report: spotted knapweed ( <i>Centaurea maculosa</i> L.) resistance to auxinic herbicides	Poster	Weed Biology and Ecology / Invasive and Noxious Weeds	Mangin, Amy R * Hall, Linda
Control of field horsetail ( <i>Equisetum arvense</i> L.) in corn	Poster	Soybean, Corn, and Edible Beans	Soltani, Nader * McNaughton, Kris Sikkema, Peter
Biologically effective dose of glyphosate as influenced by weed size in corn	Poster	Soybean, Corn, and Edible Beans	Soltani, Nader * Nurse, Robert E Sikkema, Peter
Pre- or post-emergence management of glyphosate-resistant canola in glyphosate-resistant soybean crops.	Poster	Soybean, Corn, and Edible Beans	Tozzi, Eric * Willenborg, Christian J

## Research Position AAFC Weeds-Invasive Plants BC

Job opportunity for Research Scientist – Horticultural Crop Management Specialist - Weeds Agriculture and Agri-Food Canada - Science and Technology Branch Agassiz (British Columbia) . Click on the link to find out more information:

<https://emploisfp-psjobs.cfp-psc.gc.ca/psrs-srpf/applicant/page1800?poster=855828>

Closing date: 20 November 2015

## The Westin Edmonton in Edmonton, Alberta

The 'cut-off date' for reserving rooms in the Room Block was November 6, 2015 but some rooms might still be available. Group rate will be offered after the cutoff date based on a space and rate availability basis. In that case, any requests for rooms, up until the date of arrival, based on availability, will be credited to the group room block.

Rates may be available 3 days prior and 3 days after the Event Dates indicated in the Room Block, subject to availability of guest rooms at the time of reservation.

A personalized Web site for Canadian Weed Science Society occurring for November 23, 2015 - November 27, 2015 has been created for us.

Guests can access the site to learn more about the event and to book, modify, or cancel a reservation from December 1, 2014 to November 29, 2015.

Below you will find the appropriate link(s) for your participants to access the site:

### TO BOOK YOUR ROOM:

Canadian Weed Science Society (OR copy and paste the following link into a web browser)

<https://www.starwoodmeeting.com/StarGroupsWeb/res?id=1412015450&key=139F5FFF>

### General Information



- Wireless High Speed Internet Access In Public Areas Fee: CAD 10.95 per day
- SPG Members Enjoy Free Standard Internet Access
- Pet friendly hotel
- Valet parking
- **parking available (ABOUT \$29-\$30 per day)**
- Shopping adjacent to hotel
- Heated indoor pool available

The Westin

10135 100th Street  
Edmonton, Alberta, T5J 0N7  
Canada

Phone: (780) 426-3636  
Hotel Reservations: 888-627-8530

[Website](#)





## For drinks and dining

### For beer and casual dining

#### **Craft Beer Market,**

Over 100 craft beers on tap, hand crafted food. Only 1 block from the Westin, groups welcome



<http://www.craftbeermarket.ca/>

#### Tres Carnales Taqueria

Delicious, modern take on Mexican street food. Very close, you are going to like this place!



<http://trescarnales.com/>

#### **Underground Tap House and Grill**

75 local and international beer, great selection of appetizers, only a block away from the Westin



<http://www.undergroundtapandgrill.com/>

#### **Sabor**

Portuguese tapas bar - recommended for interesting tapas, a little smaller venue and 6 blocks from the Westin



<http://sabor.ca/>

#### **Sherlock Holmes Pub**

Tradition English pub, very close to the Westin



*Great Casual Dining*

#### **Woodwork**

Wood fired grill, interesting if limited menu, only open for dinner, very close to Westin

## For drinks and dining

### Up Scale Dining

#### Hardware Grill

Best wine list in Edmonton, consistently rated one of the best restaurants - very close to the Westin



<http://www.hardwaregrill.com/>

#### 100 Bar and Kitchen

Modern cuisine, very close to the Westin



<http://www.hundredbarkitchen.com/>

#### Ruth Cris Steak House

OK its a chain, but if you must have a steak, this is the place, and it is close to the Westin



<http://ruthschrisalberta.ca/edmonton/>

Note: these places are just suggestions for you and not necessarily endorsements by CWSS-SCM.

### Other Notes:

- **Craft Beer Market: over 100 beers on tap, great appetizers, larger groups welcome, close**
- **Underground Tap and Grill: 72 micro beers, exceptional appetizers, close**
- **Sherlock Holmes Pub: traditional English pub food, close**
- **Tres Carnales: Mexican street food - serious good eating, recommended, close**
- **Woodwork: wood fired grill, slow food,**
- **Sabor: tradition Portuguese, tapas bar, great food but a bit of a walk**

# Knowledge Nexus

## Knowledge Nexus

Applying transdisciplinary and systems approaches for sustainable weed management

Alberta, Canada, 6-10 June 2016



*A refreshing and dynamic international workshop*

- ✓ Are you enthusiastic about learning from, and working with, people from other disciplines?
- ✓ Are you looking for an opportunity to apply your expertise in a new context?
- ✓ Would you like the chance to explore how social science, agricultural and natural systems can come together to work more effectively?

*Then this is the workshop for you!*

We are looking for researchers and managers from a broad range of disciplines and systems to join our next international weeds workshop.

Our ambitious goal is to make holistic weed management a reality through transdisciplinarity!

**How are we going to make this happen?**

- Bring together a diverse group of enthusiastic researchers and managers with expertise from within and beyond weed and invasive plant management
- Use a unique format that throws away the sleep-inducing atmosphere of traditional conference venues and programs – there will be no one-way presentations of research results!
- Provide plenty of time and avenues for deep debate within and across disciplines
- Focus on a complex weed case study in southern Alberta, which we will visit
- Build on the lessons learned from the first two highly successful “ANDina” workshops
- Give everyone a specific role to play in ensuring the meeting’s success
- Enable emerging researchers to take leading roles
- Make time for project conceptualisation, paper and grant preparation
- Daily walking in the fresh mountain air

**Questions we will consider...**

- How can we simultaneously address the ecological, agronomic, socio-economic and political dimensions of weed and invasive plant management?
- How can we successfully engage with societal stakeholders to better understand complex weed issues and how to solve them?
- How can we achieve truly transdisciplinary disciplinary research?
- Will a transdisciplinary approach provide us with different outcomes to what we have now?

**Interested in knowing more?**

- ✓ *Apply now!* <http://andinaalberta.weebly.com/participation.html>
- ✓ *Join our mailing list or follow @ANDinaALberta* to get updates about the workshop
- ✓ *Have your say on the program* (email [sonia.graham@unsw.edu.au](mailto:sonia.graham@unsw.edu.au))
- ✓ *Visit the website for more information* (<http://andinaalberta.weebly.com>)

This workshop is co-organised by the ANDina group of international weed/invasive plant scientists and the Canadian Weed Science Society/Société canadienne de malherbiologie

## Global Plant Council

Did you know that as a member of Plant Canada, you're also a member of the [Global Plant Council](#)?

### What is the Global Plant Council?

The Global Plant Council (GPC) is a non-profit coalition of plant, crop, agricultural and environmental science societies from across the globe. It was founded in 2009 to provide a body that can speak with a single, strong voice in the policy and decision-making arena, at the global level. By connecting plant science organizations, we are bringing together all those involved in plant and crop research, education and training, to harness the wealth of knowledge and expertise found within our membership base to strengthen and facilitate the development of plant science for global challenges.

### What does the GPC do?

The GPC currently has [29 Member Organizations](#) – of which Plant Canada is one – representing over 55,000 plant and crop scientists across Europe, North and South America, Africa, Asia and Australasia. By bringing these groups together, we promote collaboration and cross-communication between scientists and societies, with a focus on key projects in priority areas. Some examples include:

*Diversity Seek (DivSeek):* The GPC is working with partner organizations to bring together germplasm curators, plant and crop researchers, breeders and computational experts to unlock the potential of crop diversity stored in genebanks around the world. For more information, see [www.divseek.org](http://www.divseek.org).

*Plantae.org:* Together with the American Society for Plant Biologists, the GPC is helping to develop [Plantae.org](#), a forthcoming digital networking platform that will provide researchers, students, industry professionals and educators with access to plant science news, research, methods, teaching resources, funding opportunities and more from across the globe.

*Stress Resilience:* Together with the [Society for Experimental Biology](#), the GPC is hosting a [Symposium on Plant Stress Resilience in Brazil in October 2015](#). This meeting will bring together experts in this field to showcase new approaches and technologies, share research knowledge and expertise, and facilitate cross-cultural networking and collaborations. [Registration](#) and [abstract submission](#) are open, so please consider joining us!

*Education and training:* The GPC is working with volunteers and organizations to identify and share tools and resources to train and inspire the next generation of plant scientists, as well as translate these materials into many languages to expand their global reach.

As well as these activities, the GPC coordinates and manages a [website](#), [blog](#), and a [monthly e-newsletter](#) to help its members stay connected and up to date with global plant science research. You can also follow us on Twitter at [@GlobalPlantGPC](#) (or in Spanish at [@GPC\\_EnEspanol](#)), or on [Facebook](#).

## How can the GPC help me?

The GPC is directed by an [Executive Board](#) of leading figures from the world of plant and crop science research, and we also have a panel of elected representatives from each of our [Member Organizations](#). We encourage you to communicate with the leaders of your local plant science organizations so that they can feed back to us the issues, needs and opportunities faced by plant scientists in your region.

As well as our Executive Board, which meets on a quarterly basis, the GPC has a small [staff](#) that manages the day-to-day running of the Council. [Ruth Bastow](#) is our Executive Director, and [Lisa Martin](#) is the Outreach & Communications Manager – if you have any upcoming events, funding opportunities, or exciting news to share we will be pleased to help promote these via our website, newsletter and other outreach channels. In addition, you might like to contribute an article to our blog to raise awareness of an issue, important research, an event or project in your area.

The new online plant science community platform mentioned above is still in development and will be a fantastic resource when it is finished – stay tuned! The GPC website is also a useful source of information – we have a comprehensive [Events calendar](#) to help you find meetings, conferences, workshops and symposia to attend, and our [Resources area](#) provides a range of useful documents, reports, awards, funding opportunities and other information for plant scientists. You could also [sign up for our monthly e-Bulletin newsletter](#).

## How can I help the GPC?

There are many ways you can help! Firstly, why not consider [making a donation to the GPC](#)? The GPC is not-for-profit and although our Member Organizations pay an annual membership fee, our costs are not entirely covered by this income. We therefore seek donations – however big or small – from individuals, philanthropists, funding bodies or other organizations to help us continue the important work we do.

As a global organization we know that not everyone around the world speaks or understands English, yet the majority of resources for the plant sciences are written in English. If you speak another language and would be willing to help us translate resources such as teaching tools, videos, protocols and other documents into your mother tongue, we would love to hear from you!

Another way you might like to get involved with the GPC is to help raise awareness of the work we do. If you have been invited to speak at a local, national or regional plant science event in the coming months, and would like to say a few words about the GPC, we have some PowerPoint slides and resources to help you spread the word.

We are also conducting a survey of research projects around the world that are associated with stress resilience in plants, and separately, we are also collecting information about maize research around the world. If you work in either of these areas, please tell us about your work!

Submitted by David Clements



## FOR IMMEDIATE RELEASE

### Three Canadian scientific journals find new home

*The Agricultural Institute of Canada and Canadian Science Publishing (CSP) conclude an agreement to see CSP acquire three scientific publications.*

**Ottawa, ON (1 October 2015)** – Canadian Science Publishing (CSP), an independent, not-for-profit scholarly publisher dedicated to serving the needs of researchers and their communities, and the Agricultural Institute of Canada (AIC), a not-for-profit institute dedicated to broadening society's knowledge and use of science and agriculture, announced today that the organizations have reached an agreement for CSP to acquire three journals: the *Canadian Journal of Animal Science (CJAS)*, the *Canadian Journal of Plant Science (CJPS)*, and the *Canadian Journal of Soil Science (CJSS)*. This acquisition is effective immediately with CSP taking over production, management, and subscription sales for the remainder of 2015 and onward.

"We are so pleased to include these eminent journals as part of our growing suite of NRC Research Press journals," said CSP Executive Director, Suzanne Kettley. "CSP is excited to guide these journals through the next stage of their long and prominent history," Kettley continued. "Through this acquisition we have ensured that these journals, founded in 1921, stay in Canada with an independent Canadian publisher. We are proud to continue to provide a professional Canadian publishing channel for Canadian and international research."

"AIC's intent was to find a Canadian publisher with an impeccable reputation that would enable the journals to grow and better support the scientific communities they serve," said Serge Buy, Chief Executive Officer of the AIC. "It was our highest priority that these journals continue their long history of publishing top science with a publisher that values the same things as AIC: scientific integrity, knowledge sharing, and community support," continued Buy. "AIC looks forward to seeing these journals continue their history of publishing the highest quality peer-reviewed research in the fields of agriculture."

CSP's growing list of titles now includes 20 journals under the NRC Research Press imprint, one journal under the CSP imprint, and 16 client journals. Before this acquisition, CJAS, CJPS and CJSS were long-standing customers of CSP. CJAS, CJPS and CJSS articles already exist on a shared online platform and the historical relationship between CSP and the journals has ensured immediate implementation with no lag time for customers.

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#### Media Contact

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Canadian Science Publishing  
Delivering quality science to the world

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### About Canadian Science Publishing

Canadian Science Publishing (CSP), head-quartered in Ottawa, Ontario (Canada) is an independent, not-for-profit scholarly publisher dedicated to serving the needs of researchers and their communities, not only by publishing quality peer-reviewed journals but also by supporting the knowledge-sharing activities of scholarly societies and other key partners through events, awards, and other exchanges.

### About the Agricultural Institute of Canada

Created in 1920, AIC is a center of knowledge for science in agriculture. Our mandate is to advocate on behalf of agricultural research, disseminate information on agricultural research, promote careers in agricultural research and create international linkages.

### About the Journals

The Agricultural Institute of Canada founded the *Canadian Journal of Plant Science*, first as part of the *Scientific Agriculture/La Revue Agronomique Canadienne* and then *Canadian Journal of Agricultural Science* in 1921 and started publishing the journal independently in 1922.

The *Canadian Journal of Animal Science* is an international peer-reviewed journal affiliated with the Canadian Society of Animal Science. The journal publishes original research on all aspects of animal agriculture and animal products.

The *Canadian Journal of Plant Science* is an international peer-reviewed journal affiliated with the Canadian Society of Agronomy, the Canadian Society for Horticultural Science and the Canadian Weed Science Society. The journal reports original peer-reviewed research on aspects of plant science relevant to continental climate agriculture.

The *Canadian Journal of Soil Science* is an international peer-reviewed journal affiliated with the Canadian Society of Soil Science. The journal publishes original research on the use, management, structure and development of soils.

### Upcoming Meetings

November 23-27, 2015	CWSS-SCM Annual Meeting at The Westin in Edmonton, Alberta
December 7-10, 2015	The NORTH CENTRAL WEED SCIENCE SOCIETY meeting will be held in Indianapolis, IN, at the Hyatt Regency Hotel
February 8 – 11, 2016	Weed Science Society of America Annual Meeting, San Juan, Puerto Rico
June 6-10, 2016	Knowledge Nexus—Applying transdisciplinary and systems approaches for sustainable weed management Alberta, Canada,
June 19-25, 2016	7th International Weed Science Congress will be held at Clarion Congress Hotel Prague, Prague, CZECH REPUBLIC
November 22-24, 2016	CWSS-SCM Annual Meeting at Delta Beausejour in Moncton, NB
February 2017	Weed Science Society of America Annual Meeting, Tucson, Arizona

### CWSS-SCM Facebook and Twitter

Remember to regularly check out our CWSS-SCM social media tools for the membership. We hope these tools will help our membership connect and help distribute information on weed science throughout the year. The hyperlinks are listed below and the links are also posted on our main website, [www.weedscience.ca](http://www.weedscience.ca). Please follow, like and tweet about these tools! [CWSS-SCM Facebook Page](#), [CWSS-SCM Graduate Students Page](#) (Login to Facebook required) and [CWSS-SCM Twitter](#). We post timely information on abstract submissions, job postings and other information on these sites.

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### Articles for Newsletter

Articles, photos, letters and news items for the newsletters can be emailed to [assistant@cwss-scm.ca](mailto:assistant@cwss-scm.ca) at any time.

### 2015 CWSS-SCM Board of Directors

President .....	Eric Johnson	Research Representative .....	Chris Willenborg
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