



64th Annual Meeting
November 16th -18th, 2010

64^{ième} Réunion annuelle
16 au 18 novembre 2010

Delta Regina
Regina, Saskatchewan



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CWSS-SCM 2010 Annual Meeting Agenda

Date	Time	Topic	Location
<i>Sunday November 14</i>	13:00 – 17:00	Board of Directors Meeting on Strategic Plan – review and update; determine strategic plan for upcoming year, assign responsibilities, milestones and deadlines.	Campania
Date	Time		
<i>Monday November 15</i>	08:30 - 17:00	Board of Directors Meeting (Continental Breakfast and Buffet Lunch in Room) Committee meetings if required.	Campania
	13:00- 17:00	Curling Funspiel Tartan curling Club	Meet in pre-function area - Mezzanine
	14:00 – 17:00	Pre-conference Tour. Bayer CropScience formulation plant.	Meet in pre-function area - Mezzanine
	16:00 – 20:00	Registration Poster and Commercial Display Setup	Pre-function area - Mezzanine
	17:00- 18:00	Board Members and Graduate Students Meet & Greet	Campania, Pre-function area - Mezzanine
	18:00- 21:00	Board, Grad Students & General Membership Meet & Greet	Campania, Pre-function area - Mezzanine
	19:00- 22:00	Invited Speakers Dinner with Executive and Session Chairs	TBA
Date	Time	Topic	Location
<i>Tuesday November 16</i>	07:30 – 08:30	Continental Breakfast. Commercial Displays & Poster Viewing – Authors Present	Pre-function area - Mezzanine
	7:30 – 17:00	Registration	Pre-function area - Mezzanine
	08:30 – 17:00	Poster and Commercial Display Viewing	Pre-function area - Mezzanine
	08:00	Opening Welcome & Announcements – Sue Boyetchko & Local Arrangements Chairs	Lombardy - Umbria
	8:15 – 10:00	Plenary Session: “New Crops/Crops with Second-Generation Traits: Weed Management Challenges”. Chair: Hugh Beckie	Lombardy - Umbria
	10:00- 10:30	Refreshment Break and Poster Viewing	Pre-function area - Mezzanine
	10:30 – 12:00	Plenary Session – Cont’d	Lombardy - Umbria
	12:00 – 13:00	Lunch	Trentino
	13:00- 15:00	Graduate Student Research Project Presentations. The latest in weed science research from universities	Lombardy - Umbria



		across Canada.	
	15:00-15:30	Refreshment Break & Poster Viewing	Pre-function area - Mezzanine
	15:30-18:00	Graduate Student Research Project Presentations (cont'd)	Lombardy - Umbria
<i>Wednesday November 17</i>	7:00 – 8:30	Continental Breakfast Poster and Commercial Display Viewing	Pre-function area - Mezzanine
	7:30 – 17:00	Registration	Pre-function area - Mezzanine
	8:00 – 12:00 (with Refreshment Breaks about 10:00 – 10:30)	<p><u>Program Sessions (Concurrent)</u></p> <p>1. Weediness and Agronomy of New Crops. (8:00 to 10:00) Chair, Steve Shirliffe, U of Saskatchewan</p> <p>2. Weed Identification and Herbicide Mode of Action. <ul style="list-style-type: none"> Hands-on Workshop. (8:00 to 12:00) Chair, Trish Meyers, Monsanto Canada Inc. </p> <p>3. Getting the Most Out of Agriculture Research Manager Software. (8:00 to 12:00) Steven Gylling, Gylling Data Management, Brookings, South Dakota</p> <p>4. Weed Biology / Ecology; Noxious / Invasive Weeds. (10:30 to 12:00) <ul style="list-style-type: none"> Contributed papers and discussion Chair, Stephen Murphy, University of Waterloo </p>	Lombardy Tuscany Umbria Lombardy
	12:00 – 13:30	Awards Banquet – Russ Hynes, Chair	Trentino
	13:30-14:30	Poster viewing – Authors Present	Pre-function area - Mezzanine
	14:30 – 17:00	<p><u>Program Sessions (Concurrent)</u></p> <p>1. Weed Control in Cereals, Oilseeds & Pulses. (14:30 to 17:00) <ul style="list-style-type: none"> Contributed papers and discussion Chair, Neil Harker, AAFC, Lacombe, AB </p> <p>2. Weed Control in Horticulture & Special Crops. (14:30 to 17:00) <ul style="list-style-type: none"> Contributed papers and discussion Chair, Rob Nurse, AAFC, Harrow, ON </p>	Lombardy-Umbria Tuscany



Plenary Session “New Crops/Crops with Second-Generation Traits: Weed Management Challenges” Tuesday, November 16, 2010

Time	Topic	Speaker
08:00	Welcome, Announcements, Local Arrangements	Clark Brenzil / Rick Holm (LAC) and Sue Boyetchko, President, CWSS-SCM
08:15	Introduction to “New Crops/Crops with Second-Generation Traits: Weed Management Challenges”	Hugh Beckie – AAFC, Saskatoon, SK
08:30	Industry Perspective: New Crops	Jack Grushcow – Linnaeus Plant Sciences Inc., Vancouver, BC
09:00	Industry Perspective: Crops with Second-Generation Traits	Michael Horak – Monsanto, St. Louis, MO
09:30	Regulatory Perspective	Krista Thomas – CFIA, Plant Biosafety Office, Ottawa, ON
10:00	Refreshment Break	
10:30	Research Perspective: A Promising Way Forward in Determining Weediness / Invasiveness	Jean Burns – Case Western Reserve University, Cleveland, OH
11:00	Developing Agronomic Packages for New Crops and 2nd Generation Crops with Novel Traits: Constraints and Opportunities	Eric Johnson – AAFC, Scott, SK
11:30	A Role for Post-Release Monitoring?	Hugh Beckie – AAFC, Saskatoon, SK
11:45	Summary and Concluding Remarks	Linda Hall – University of Alberta, Edmonton, AB



Biographies of Plenary Session Speakers

Jean H. Burns, PhD, is an Assistant Professor at Case Western Reserve University. The Burns lab focuses on the mechanisms governing community assembly and biological invasions, including the demographic characteristics of invasive populations and the potential predictive power of phylogeny. Jean got her PhD in 2006 from Florida State University for work on the phylogeny and characteristics of invasiveness in the Commelinaceae. In 2007, she worked with Tiffany Knight as a Tyson Postdoctoral Fellow on the demography of invasive and noninvasive introduced species. She also collaborated with Sharon Strauss at the University of California, Davis from 2008-2010 as a Center for Population Biology Postdoctoral Fellow, including work on phylogenetic signal on traits associated with community assembly.

Eric Johnson, P.Ag., is a Weed Biologist and Officer-in-Charge with Agriculture and Agri-Food Canada at Scott, SK. Eric was born and raised on a grain farm near Eston, SK. Eric received both his Bachelor and Masters of Science in Agriculture from the University of Saskatchewan. Eric worked from 1982 to 1996 in agriculture extension with Saskatchewan Agriculture. Eric's current field research includes: chemical, cultural, and mechanical weed control; pesticide minor use; and crop management. He has collaborated on agronomic projects involving genetically modified spring wheat as well as led projects on new crops such as Prairie Carnation, *Camelina sativa*, and *Brassica carinata*.



Professional Development Workshops - Wednesday, Nov. 17, 2010

These concurrent classroom-style sessions will provide valuable learning opportunities for everyone. CCA and CCSC CEUs will be available.

Time	Topic
8:00 – 10:00	Weediness and Agronomy of New Crops. Chair, Steve Shirliffe <ul style="list-style-type: none">o Randy Kutcher, AAFC, Melfort, SKo Rene Van Acker, University of Guelph, ONo Emily Heaton, Iowa State University, IAo Bill May, AAFC, Indian Head, SK
8:00 – 12:00	Weed Identification and Herbicide Mode of Action. Chair, Ms. Trish Meyers <ul style="list-style-type: none">o Linda Matthews, U of Saskatchewan, SKo Julia Leeson, AAFC, Saskatoon, SKo Lyle Cowell, Viterra, Tisdale, SKo Darren Robinson, U of Guelph, ONo Wendy Asbil, CFIA, Ottawa, ONo Bruce Murray, Monsanto, Winnipeg, MBo Linda Hall, U of Alberta, Edmonton, ABo Peter Sikkema, U of Guelph, Ridgetown, ON
8:00 – 12:00	Getting the Most Out of Agriculture Research Manager Software. <ul style="list-style-type: none">o Steven Gylling, Gylling Data Management, Brookings, South Dakota



Biographies of Professional Development Workshop Speakers

Weediness and Agronomy of New Crops

Randy Kutcher. My interest in plants and food production lead me to complete a BSc in Agriculture, majoring in plant science from the University of Manitoba in 1981. I worked as an agronomist in special crop production with Northern Sales Co. Ltd for a number of years before enrolling in an MSc program in plant pathology, studying blackleg disease of canola under Dr. Roger Rimmer. In 1990, I began my PhD with Dr. Karen Bailey at Agriculture and Agri-Food Canada, Saskatoon looking at the inheritance of resistance, and for markers associated with resistance genes in barley to common root rot. My post-doctoral fellowship was in biological control of weeds working with Dr. Knud Mortensen and Dr. Gord Thomas, at both Regina and Saskatoon. My career as a research scientist started with Agriculture and Agri-Food Canada in Melfort in 1997 as the plant pathologist in the Sustainable Cropping Systems team. My research includes Integrated Pest Management solutions to manage field crop diseases and has focussed on canola, particularly blackleg disease management. Results of the research we have conducted in Saskatchewan indicate that the use of sustainable cultural practices combined with strategic use of genetic resistance is very effective for managing blackleg disease of canola.

Dr. Rene Van Acker is Associate Dean, External Relations for the Ontario Agricultural College, University of Guelph and Professor in the Department of Plant Agriculture. Rene was previously a professor of weed science and crop management at the University of Manitoba. His research interests include weed seedling recruitment biology and ecology, robust cropping systems, multifunctional agriculture and the coexistence of GM and non-GM crops. His research work on the coexistence of GM and non-GM crops has lead to international collaborations, presentations, and consulting work with governments and organizations in Denmark, Australia, Switzerland, Australia, the US and Canada. Rene serves several agricultural organizations and is currently on the board of the Ontario Institute of Agrologists. Rene grew up on a farm in southwest Ontario and attended the University of Guelph, obtaining a BSc and MSc degree in crop science and weed management, he also holds a PhD in crop-weed ecology from the University of Reading in the UK. Rene and his wife Susie have three children and live in Guelph.

Weed Identification and Herbicide Mode of Action

Linda Matthews holds a BSA from the University of Saskatchewan and is a laboratory instructor in the Department of Plant Sciences and a distance education course instructor for the Centre for Continuing and Distance Education at the University of Saskatchewan. She instructs laboratory sessions for five undergraduate courses which include Weed Biology and Ecology, a portion of the agronomy field school and two distance education courses, which includes Weed Control. Linda also conducts various workshops covering topics in agronomy and horticulture. Presently, she is developing a weed garden at the University of Saskatchewan's Kernen Crop Research Farm. Once established, the weed garden will be used



by students for weed identification. Weed seed will also be collected from the site and used to grow weed plants for laboratory sessions.

Julia Leeson completed both her BSc and MSc at the University of Saskatchewan through the Department of Biology. Since that time she has been working as a biologist in the Weed Ecology program at Agriculture and Agri-Food Canada in Saskatoon. Her areas of research include provincial weed surveys, farm management surveys and monitoring changes in weed populations in long-term cropping systems studies.

Lyle Cowell was raised on a grain farm at Star City, SK and is a graduate of the University of Saskatchewan. After completion of his formal training, Lyle continued to work for the Dept. Soil Science at the University of Saskatchewan. He first helped coordinate field projects in the Innovative Acres project, which examined new cropping and fertilizer management strategies with farmer cooperators. After completion of this project, Lyle worked in several research projects which focused on fertility and remediation of degraded soils. Lyle and his family returned to the family farm in northeast Saskatchewan, and he has worked with local farmers as a regional agrologist with Viterra for the past 14 years. While basic tenets of agronomy in soil fertility and pest control have not changed in this time, the evolution of farm management has required continued education in his career.

Darren Robinson is an Associate Professor in the department of Plant agriculture at the Ridgetown campus of the University of Guelph. He has a BSc from the U of Winnipeg, a MSc from the U of Manitoba and a PhD from the University of Guelph. The primary goal of Darren's weed management research in horticultural crops is to implement integrated control strategies with new herbicides and new herbicide tank mixes in conventional and reduced tillage systems. His research focuses on improving the timeliness of application, obtaining new herbicide registrations through the URMULE system, determining the effect of previous cropping practices on weed population shifts, and analyzing the effect of previous herbicide use on carryover potential into high value crops.

Wendy Asbil has over 20 years of experience in teaching and research in agronomy. After earning her MSc from McGill University, she spent nine years working as a research assistant in the forages and weed management research programs at the Plant Science department of McGill. In 1997, she accepted a position as College Professor at Kemptville Campus of the University of Guelph where she taught various courses such as weed science, crop diagnostics, crop production, cropping systems, and organic production to Agriculture and Horticulture diploma students in as well as conducting crop/pest management research. In 2005, she joined the Canadian Food Inspection Agency in the Plant Health and Biosecurity Directorate where for four years she was involved with import, export and domestic phytosanitary issues in the Grains and Oilseeds section. Since December 2009, she has been the National Manager of the Invasive Plants section in the Chief Plant Health Office. She also maintains her affiliation with Kemptville Campus by teaching weed science courses and overseeing a small agronomy research program.



Bruce Murray has worked in the Ag industry for over 25 years. He has held positions within both industry and government, as a field researcher, manager and an extensionist. Currently he is a Technology Development Rep for Monsanto in Manitoba. Bruce earned three degrees at the University of Manitoba, a BSc in Agriculture (Plant Science), an MSc (Plant Breeding) and a PhD (Weed Ecology). Bruce, his wife Cindy and two boys, Scott and Connor, live in Carman, Manitoba.

Getting the Most Out of Agriculture Research Manager Software

Steven R. Gylling, PhD is the CEO and original Program Author of the Pesticide Research Manager, PRM Summary Across Trials, PRM Accessory Pack, PRM EDI Export, and the data collector software. He has conducted plant science research and worked with research data management since 1972. His PhD is in Agronomy, with emphasis on weed control. He has worked at South Dakota State University as a weed researcher, state pesticide impact assessment coordinator, and Cooperative Extension Service computer specialist. He currently directs all software development projects at Gylling Data Management.



Graduate Student Presentations, Tuesday, November 16, 2010

The graduate student presentations will start at 1:00 P.M. and continue until 6:00 P.M. Each presentation, including questions, will be 15 minutes. There will be a Refreshment Break at about 3:00 P.M.

All presenters at the CWSS-SCM Annual Meeting in Regina are asked to have presentations in Windows-based software. Since the computers being used for presentations at the CWSS Annual Meeting are Windows-based, all presentation files should be Windows-based (PowerPoint). Some of the newer MAC computers may have the option to save as a Windows-based file.



2010 Local Arrangements Committee Members

For further information about the meeting please contact a Co-Chair or a Local Arrangements Committee member as listed below:

<p>Local Arrangements Committee Co-Chair & Hotel Arrangements</p> <p>Clark Brenzil Saskatchewan Ministry of Agriculture 3085 Albert Street Regina SK S4S 0B1</p> <p>tel: (306) 787-4673 fax: (306) 787-0428 clark.brenzil@gov.sk.ca</p>	<p>Local Arrangements Committee Co-Chair & Program Committee</p> <p>Rick Holm University of Saskatchewan 51 Campus Dr. Saskatoon SK S7N 5A8</p> <p>tel: (306) 966-5009 fax: (306) 966-5015 rick.holm@usask.ca</p>
<p>Scholarships & Awards/Awards Banquet – Russ Hynes AAFC Research Centre Saskatoon, SK (306) 956-7247 Russell.hynes@agr.gc.ca</p>	<p>Photography Contest - Justin Bouvier ICMS Saskatoon, SK (306)-956-3855 bouvier@icmsinc.com</p>
<p>Commercial Displays – Bill May AAFC Research Farm Indian Head, SK (306) 695-5225 mayb@agr.gc.ca</p>	<p>Registration - Anita Drabek CWSS-SCM Executive Assistant (204) 753-2915 assistant@cwss-scm.ca</p>
<p>Sponsorship – Lyle Drew (national) BASF Canada Inc. Regina, SK (306) 789-2459 lyle.drew@basf.com and</p> <p>Barry Rapp, (local) Regina, SK (306) 721-6340 brapp@cpsagu.ca</p>	<p>Treasurer – Darren Robinson University of Guelph, Ridgetown Campus Ridgetown ON (519) 674-1604 drobinso@ridgetownc.uoguelph.ca</p>
<p>AV Equipment - Brent Flaten SK Ministry of Agriculture, Regina, SK (306) 694-3714 brent.flaten@gov.sk.ca</p>	<p>Graduate Student Presentations – Steve Shirliffe Plant Sciences, U of Saskatchewan (306) 966-4959 Steve.shirliffe@usask.ca</p>



Posters – Ken Sapsford Plant Sciences, U of Saskatchewan (306) 966-4999 k.sapsford@usask.ca	Plenary Session Program / Chair – Hugh Beckie AAFC Saskatoon Research Centre (306) 956-7251 hugh.beckie@agr.gc.ca
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The Program Sections (and chairs) are

Cereals, Oilseeds and Pulses Neil Harker AAFC Research Centre, Lacombe, AB (403) 782-8134 Neil.harker@agr.gc.ca	Forage, Rangeland, Forestry and Industrial Vegetative Management Michael Irvine Ontario Ministry of Natural Resources Sault Ste. Marie, ON (705) 945-5724 Michael.irvine@mnr.gov.on.ca
Horticulture and Special Crops Rob Nurse Greenhouse & Processing Crops Research Centre, Harrow, ON (519) 738-1288 Robert.nurse@agr.gc.ca	Weed Biology and Ecology / Invasive and Noxious Weeds Stephen Murphy University of Waterloo (519) 888 4567 stephen.murphy@uwaterloo.ca
Soybean, Corn, and Edible Beans Peter Sikkema U of Guelph, Ridgetown, ON (519) 674-1603 Psikkema@ridgetownc.uoguelph.ca	Provincial Reports/Regulatory Issues Dave Ralph, BC Ministry of Agriculture & Lands, Kamloops, BC (250) 371-6062 David.ralph@gov.bc.ca



Call for Graduate Student Papers

The CWSS Local Arrangements Committee is soliciting titles for oral presentations to be presented at the 2010 annual meeting. Presenters will be allotted fifteen (15) minutes each. Topics may include any aspect of weed science including biology, ecology and management. To be considered for the student paper presentation session, a paper title must be submitted no later than **Monday, September 15, 2010**. The Graduate Student Presentations title registration form will be **available online starting August 15, 2010**.

Note: All presentations must be made using Microsoft PowerPoint.

A written summary of your presentation (maximum of 1 page) will be required by **Thursday, October 15th, 2010** for inclusion in the conference booklet that will be distributed at registration.

Format instructions and procedures on how to submit an electronic copy of your text (Microsoft Word) through the web site will be e-mailed to you once you have registered a title.

We encourage you to take this opportunity to update the weed science community on your research.

Bayer CropScience Best Graduate Student Presentation Award

This \$ 500 award is given in recognition of the best student oral presentation at the CWSS-SCM annual meeting. All CWSS-SCM student members giving an oral presentation will be automatically considered for this award. The winning presentation will be selected by a panel of judges appointed by the Local Arrangements Committee.

The Local Arrangements Committee contact for the Graduate Student Presentations is

**Steve Shirliffe, Plant Sciences, University of Saskatchewan.: steve.shirliffe@usask.ca
(306) 966-4959.**

Call for Applications - Graduate Student Scholarships and Travel Awards

The following Graduate Student scholarships and travel awards are available:
(separate awards for MSc and PhD candidates)

- Monsanto Scholarship
- Dow AgroSciences Travel Award
- Syngenta Crop Protection Canada Travel Award

See www.weedscience.ca/annual-meeting/scholarships-awards for information on application procedures and deadlines.



Call for Oral Presentations & Posters

You are invited to submit titles for oral presentations and posters relating to research in any area of weed science. Please take this opportunity to update the weed science community on your research. Note that the Forage, Rangeland, Forestry and Industrial Vegetative Management Program Section will not be meeting in 2010.

Title submissions are through the website where submitters will be asked to indicate their preference (oral presentation or poster). **The deadline for title submission is September 15th, 2010.** Please indicate which Program Section you wish to make your oral presentation in. Titles will be forwarded to the appropriate Program Section Chair. If there are too many proposed oral presentations in the allotted time in any given Section, the Chair will decide which will be presented orally and which authors will be asked to submit posters instead.

An abstract of your oral presentation(s) will be required by October 15th, 2010 for inclusion in the conference booklet that will be distributed at the annual meeting. You will be able to re-enter the Annual Meeting registration website (again found through www.cwss-scm.ca) and upload your abstracts. Changes to the title and the authors can also be made.

All presenters at the CWSS-SCM Annual Meeting in Regina are asked to have presentations in Windows-based software. Since the computers being used for presentations at the CWSS Annual Meeting are Windows-based, all presentation files should be Windows-based (PowerPoint). Some of the newer MAC computers may have the option to save as a Windows-based file.

A copy of your poster(s) will be required by October 23rd, 2010 for inclusion on the memory sticks that will be distributed at the annual meeting. Thus, you do not need to bring a supply of hard copies to the meeting for distribution. You will be able to re-enter the Annual Meeting registration website (again found through www.cwss-scm.ca) and upload your poster(s).

The Program Sections (and Chairs) are

- Cereals, Oilseeds and Pulses – Neil Harker
- Horticulture and Special Crops – Rob Nurse
- Soybean, Corn, and Edible Beans – Peter Sikkema
- Forage, Rangeland, Forestry and Industrial Vegetative Management – Michael Irvine (Note – this Program section is not meeting in 2010)
- Weed Biology and Ecology / Invasive and Noxious Weeds – Stephen Murphy
- Provincial Reports/Regulatory Issues – David Ralph

Please note that registration and title submission is online starting August 15. If you have problems logging on or with the on-line program, please contact:

Anita Drabyk. CWSS – SCM Tel: (204) 753-2915 Email: assistant@cwss-scm.ca



Posters can be viewed throughout the annual meeting as listed in the agenda. Two special viewing times are scheduled for 7:30 to 8:30 am on Tuesday, Nov. 16th and 13:30 to 14:30 on Wednesday, Nov. 17th. Authors are required to be in attendance at their poster(s) at these times.

The Local Arrangements Committee contact for the Poster Presentations is Ken Sapsford, University of Saskatchewan. (306) 966-4999 k.sapsford@usask.ca

Please note that registration is online (starting August 15), after you have logged-in under the annual meeting tab on our web site. If you have problems logging-in, please contact Anita Drabky.

CWSS – SCM Tel: (204) 753-2915 Email: assistant@cwss-scm.ca

BASF Canada Best Poster Awards

These awards are to recognize the best posters presented at the CWSS-SCM annual meeting. All posters are automatically eligible for these awards. The winning posters will be selected by a panel of judges chosen by the Local Arrangements Committee. The award consists of a \$250 cash prize for 1st place, \$150 cash prize for 2nd place and \$100 cash prize for 3rd place. A plaque is presented to the senior author of each.

Call for Provincial Reports and Regulatory Reports

Please note that the Provincial Reports should be submitted in full by October 15th. The same applies to governmental agencies. All these reports can be uploaded on-line when you register for the annual meeting. Changes, if needed, can be made by re-entering the registration website. They can also be submitted electronically to assistant@cwss-scm.ca.



Call for Commercial Displays

The CWSS annual meeting represents a perfect opportunity for reaching the Canadian weed science community. For only \$250, you will have the privilege to share your expertise with your colleagues by having access to a display table (includes chairs and access to an electrical outlet).

If you are interested and wish to take advantage of this offer, you can register online through our Annual Meeting registration website.

You may also submit the following form to Ms. Anita Drabek (address below) no later than October 15th, 2010. Please note: **All commercial display participants MUST also register for the CWSS annual meeting.** You can pay for your Commercial Display under the Merchandise tab on the Annual Meeting Registration Website (RegOnline) if you are registering online. If not, the form below can be used.

Commercial Display Submission Form (please print)

Company:

Contact Person:

City/Town:

Province:

Postal Code:

Phone:

Fax:

Email:

Please make your cheque for \$250.00 payable to: "CWSS – SCM", or pay by Visa ___ or MasterCard ___ Card Number: _____

Expiry Date: _____

Cardholder Name: _____ (please print)

Signature: _____

Completed submission form and payment (\$250.00) must be received no later than October 15th, 2010.

Forward to:

Ms. Anita Drabek
CWSS-SCM Executive Assistant
P.O. Box 674
Pinawa, MB
R0E 1L0



Call for Nominations for CWSS-SCM Awards

Nominations are encouraged for the following awards:

- CWSS-SCM Fellow
- CWSS-SCM Outstanding Industry Member
- Excellence in Weed Science Award
- Viterro Excellence in Weed Extension Award
- CWSS-SCM Meritorious Service Award

See www.weedscience.ca/annual-meeting/scholarships-awards for information on application procedures and deadlines.



Call for Photo Contest Entries

Winning photos will be selected by a panel of judges selected by the Photo Contest Coordinator. Pictures will be judged on their originality, visual quality and subject relevance. The third prize in each photo category will be a Public Prize, meaning that all the membership will be the jury and vote for what they judge as being the best photo in each category. Paid CWSS – SCM members will be able to vote after the submission deadline of October 15, 2010. Prizes will be awarded as follows: 1st in each category (\$100.00), 2nd in each category (\$50.00), 3rd in each category (\$25.00).

The contact for the Photo Contest is: Mr. Justin Bouvier (306)-956-3855
bouvier@icmsinc.com

The categories for 2010 are

1. Agriculture and Forestry Category includes general agriculture and forestry pictures in which an individual botanical subject is not the prime theme of the image. For example: production activities (seeding, spraying, cutting, cropping, etc.) or general views (landscapes, sites, etc.).
2. Weeds Category includes pictures of plants considered as weeds (whole plants or plant parts). The images should demonstrate morphologic characteristics. Patches of plants can be shown.
3. Weeds in Action Category includes pictures that illustrate weed invasion or competition. Weeds are not only identified (category 2) but shown in action. For example: dandelion seeds transported by the wind, vetch on evergreen, soybean field with common ragweed, etc.

Contest Rules:

1. Entries must be digital images in either jpg or gif format. Images must be large enough to produce an 8x10 print (3 megapixels minimum).
2. Photos can be uploaded in the Annual Meeting registration that can be found through our website. You can upload photos as you register for the Annual Meeting or you can add them to the website later. Changes can also be made.
3. If you are sending in photos by email, each picture must be identified as: category_number_name_of_picture_name_of_photographer. Example: 2_giant_ragweed_John_Smith.jpg. Spaces must not be used in the name, only underlines _.
4. Members of CWSS – SCM can submit a maximum of 3 pictures per category.
5. Winners agree to give non-exclusive rights of use of their photos to the CWSS – SCM.
6. Deadline for entries is October 15, 2010.



Instructions for Preparing the Abstracts for the Canadian Weed Science Society Conference

An abstract is required for all the presentations (graduate students, oral or poster in Program sections or in symposia).

A full Program with all the abstracts will be available to all registrants at the Registration Desk.

An abstract (maximum of 300 words) is required even if you also submit a full text. You must upload the abstract by October 15, 2010 by login in the on-line registration for the CWSS-SCM Annual Meeting. This year the abstract submission will allow for MS WORD upload so that the formatting will not be lost.

The abstracts will be printed exactly as submitted, other than format and font changes to make all abstracts the same; therefore, proofread carefully.

1. Contents. The abstract should highlight significant results and include an interpretation of the results, as well as essential aspects of the experimental procedure, but without details. Write the abstract so it consists entirely of information. Do not include statements such as "The results of the experiments will be presented" or "The significance of these results will be discussed".
2. Font, spacing, and file format Page size: 8.5 inches wide x 11 inches long. Page margins: 1 inch on every sides Line spacing: Single space only Font: Times New Roman Font size: 11 pt. only. You can use superscript and subscripts if needed. Text justification: Left justified everywhere Latin names: Use italics for Latin names. Do not underline. File format. The file should be saved in either WordPerfect or in the RTF file format File name: Please use your name for file name. If you are submitting more than one abstract, please add a number after your name. Do not use space, use underlines instead. Example: Daniel_Cloutier.rtf or Daniel_Cloutier_2.rtf
3. Order of presentation. The order should be: Title in bold, followed immediately by the list of authors and their addresses (Department, Institution, City and Province). Skip one line and follow with the abstract (see the examples at the end of this text).

Details. Capitalize only the first word and proper names in the title and end the title with a period. Include both the common and scientific names of weeds, the common names of herbicides and well-known crop plants. Include both the common and scientific names of uncommon crops. The title should be typed in bold-face. After the title, add the name(s) of author(s), family name first, followed by their initial(s). Place a comma after each author and a period after the last author. Follow this with the author(s) address(es) (Department, Institution, City and Province). Do not include street addresses, divisions, P.O. Box or postal codes. End this section with a period. Skip one line and begin your abstract in paragraph form (maximum of 300 words). If there is more than one address, use superscripts as in example 2 below.

1. Herbicide nomenclature. Use common names of herbicides as given in the latest issue of Weed Science. When the common name refers to the parent acid, the salt or ester forms used in the experiments should be identified at the first mention of the common



- name (e.g. methyl ester of diclofop). At the first mention of a herbicide application rate, list whether the weight is acid equivalent (ae) or active ingredient (ai) (e.g., kg ai ha⁻¹). If no common name is available, use its designation (trade name or code) followed by the full chemical name. If the chemistry is confidential, identify source (company) in parentheses after designation.
2. Adjuvant nomenclature. Where possible, use WSSA Monograph Adjuvants for Herbicides, *Weed Science* 26:204-205 or the WSSA Herbicide Handbook. Otherwise, use the most complete available chemical description of the adjuvant.
 3. Weed nomenclature. Identify weeds by common names. At first mention of a weed, in the title or text, follow the common name with the scientific name (*italic*) and authority, if first mention is in the text, in parentheses. Do not repeat the scientific name in the text if given in the title. Use common and scientific names of weeds as given in the Inventory of Canadian Agricultural Weeds at http://res2.agr.ca/ecorc/weeds_herbes/title-titre_e.htm. If there is no common name, use common scientific names from another source such as the COMPOSITE LIST OF WEEDS, published by WSSA in 1989.
 4. Crop nomenclature. Scientific names for crop plants are optional. They are not needed for well-known crops, but should be included for less common crops and whenever needed for clarity. Place scientific names in parentheses (*italic*) following first mention of the common name, whether in the title or text.
 5. Measurements. Report all measurements in SI units. Abbreviate units of measure if preceded by a number. See *Weed Science* (1991) 39:136-137 for additional suggestions and metric conversions.
 6. Abbreviations. Use abbreviations as shown in *Weed Science* (1995) 43:713-717 or CBE Style Manual.
 7. Numbers. Use Arabic numerals for all numbers with two or more digits and for all measurements such as time, weight, length, area, quantity, or degree except when the number is the first word in the sentence. Spell out numbers when they are the first word in a sentence or when they are less than 10 and not measurements.
 8. Tables, figures, or literature citations. Do not include these in Abstracts.

Here are some examples

EXAMPLE 1:

Tillage systems influence emergence periodicity of annual weeds in canola. Bullied, W.J., Marginet, A.M., and Van Acker, R.C. Department of Plant Science, University of Manitoba, Winnipeg, MB

Variation in emergence periodicity of annual weeds is an attribute that may be utilized as a control strategy to reduce weed competitiveness in canola. Emergence periodicity of annual weeds was determined in spring-seeded canola fields in conventional and conservation tillage systems during spring of 2000 across southern Manitoba, Canada. The impact of tillage system on the emergence periodicity of annual weed species was evaluated in the context of the trend toward reducing levels of tillage intensity while maintaining crop competitiveness.



Conservation-tillage promoted earlier emergence for all weed species except wild mustard and redroot pigweed. Differences in emergence periodicity between tillage systems could not be explained by soil temperature or moisture, but were attributed to differences in soil disturbance. For all species, the maximum rate of emergence did not differ between tillage systems. This suggests that differences in emergence periodicity between tillage systems are a result of differences in the emergence lag phase period. Onset of the seeded canola emergence period preceded the onset of the emergence period for all weed species except wild mustard in conservation-tillage, and wild mustard and wild oats in conventional-tillage. For all weed species monitored in this study, the average difference in onset of emergence between canola and the weeds was positive for both tillage systems, however it was greater in conservation-tillage systems. This suggests that canola seeded in conservation-tillage systems may have a competitive advantage through the relative time of crop emergence. The results from this study support canola management strategies for tillage system and weed control timing decisions, as well as validation for weed emergence models.

EXAMPLE 2:

Hybridization between transgenic canola (*Brassica napus* L.) and its wild relatives: bird rape (*B. rapa* L.), wild radish (*Raphanus raphanistrum* L.), wild mustard (*Sinapis arvensis* L.), and dog mustard (*Erucastrum gallicum* (Willd.) O.E. Schulz). Warwick S.I.¹, Simard M.-J.², Légère A.², Beckie H.J.³, Séguin-Swartz G.³ ¹Agriculture and Agri-Food Canada (AAFC), Ottawa, ON; ²AAFC-Ste-Foy, QB; ³AAFC-Saskatoon, SK

The frequency of gene flow from canola to four wild relatives, bird rape, wild radish, wild mustard, and dog mustard was assessed in field experiments and in commercial fields. Various marker systems were used to detect hybrids: herbicide resistance traits (HR), molecular markers (AFLPs) and ploidy level. Hybridization between bird rape (AA) and canola (AACC) occurred in a HR canola field experiment (frequency ca. 7%) and in wild populations in commercial HR canola fields (ca. 13.6%). All F1 hybrids were morphologically similar to bird rape, had canola- and bird rape-specific AFLP markers, were triploid (AAC, $2n = 29$) and reduced pollen viability (ca. 55%). In contrast, a single wild radish × canola F1 hybrid was detected in 32821 seedlings from a HR canola field experiment. The hybrid was morphologically similar to wild radish except for the presence of valves, a canola trait, had both canola- and wild radish-specific AFLP markers, <1% pollen viability, and a genomic structure of RrRrAC, $2n = 37$. No hybrids were detected in commercial fields in Québec and Alberta (22,114 seedlings). No wild mustard or dog mustard × canola hybrids were detected (42,828 and 21,841 seedlings, respectively) from commercial fields in Saskatchewan. These findings suggest that the probability of gene flow from transgenic canola to wild radish, wild mustard or dog mustard is very low ($<2.5 \times 10^{-5}$). However, transgenes can disperse in the environment via wild bird rape in eastern Canada and possibly via commercial *B. rapa* volunteers in western Canada.

Visit the Canadian Weed Science Society website at www.cwss-scm.ca.



Conference Registration Information

On-line registration is found at our website (www.cwss-scm.ca). The on-line registration can accommodate cheque and credit payments. If you are paying by cheque, you can complete the registration on-line registration form and then submit a cheque payable to CWSS-SCM. Cheques should be mailed to

Executive Assistant, CWSS-SCM
P.O. Box 674
Pinawa MB R0E 1L0

If help with registration is needed call the CWSS-SCM office at (204) 753-2915 or fax at (204) 753-2363. You can also send an email to assistant@cwss-scm.ca. The following page contains a Registration form that can be filled in and sent in if you don't have access to the website.



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FEES:

	Cost per Person	Quantity	Total Cost**
Early Registration (payment received before October 8, 2010)			
Includes: Plenary Session, Professional Development Workshops, Program Sections, Welcoming Reception (Nov 15) Breakfast (Nov 16, 17 & 18) Lunch (November 16), all refreshment breaks, Awards Luncheon (November 17), Industry Reception, Conference Booklet	Member:	\$400	
	Nonmember:	\$500	
	Student*:	\$150	
Late Registration (payment received after October 8 2010) Includes: Same as Early Registration above.	Member:	\$500	
	Nonmember:	\$600	
	Student*:	\$175	
One-day Registration Options:			
Tuesday, Nov. 16 only - Plenary Session and Graduate Student presentations– (includes lunch, nutrition breaks, conference booklet)		\$200	
Wednesday, Nov 17 only – includes Professional Development Workshops (all are morning sessions). Spaces for Weed ID and Agric Research Manager are limited – indicate preference if you wish to attend either of these. A. Weed ID & Herbicide MOA (max = 80 people), B. Agriculture Research Manager (max = 60 people), C. Weediness and Agronomy of New Crops (no number limitation) Plus all afternoon program sections. (includes lunch, nutrition breaks, conference booklet)	1 st Choice ____ 2 nd Choice ____	\$200	
Thursday, November 18 only – includes concurrent sessions: 1. Weed Control in Corn, Soybean and Edible Beans. (10:00 to 12:00) o Contributed papers and discussion 2. Provincial Weed Reports and Regulatory Issues. (10:00 to 12:00) o Contributed papers and discussion		\$50	



CWSS-SCM Membership for 2010	Regular	\$100		
	Student*	\$0		
	Retired	\$25		
Monday, Nov 15 – Pre-conference Activities: A. Bayer CropScience formulation plant B. Curling Funspiel– Tartan Curling Club		\$20		
		\$20		
Additional Tickets for the Awards Luncheon (for guests)		\$50		
* Need signature and name of supervisor. Students must be from Canadian universities to be eligible for student membership. ** Includes GST/PST			TOTAL	

Refund policy: 90% of fee returned if cancellation received by October 31, 2010; no refund if notification received after November 1st, 2010 but registration can be transferred to another individual from the same organization.

Special food or dietary restrictions: _____

Register online or complete this form and return with your payment, payable to CWSS, to / Veuillez compléter ce formulaire et l'envoyer avec votre paiement au nom de la SCM à

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Hotel Reservation Information – CWSS–SCM, 2010

Guest room rates negotiated for the conference are available November 13 - 19. There are a limited number of rooms at the special conference rate, reserve early.

Rooms at these rates will be held until 15 October, 2010. Afterward, rates will be subject to room and rate availability. So book early!

RATES:

Room Types	Cost (plus taxes)
Double	\$139.00
Premier King	\$149.00
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Rates are in \$ Cdn per room per night (single or double occupancy), plus taxes (5% GST, 5% PST and 3% Destination Marketing Fee).

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