

CPS • SCP News



CANADIAN PHYTOPATHOLOGICAL SOCIETY • SOCIÉTÉ CANADIENNE DE PHYTOPATHOLOGIE

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President's Message

Greetings and happy holidays to everyone!

I'm sorry I could not attend all of the regional meetings across the country this fall, but I did manage to get to the Maritimes and Saskatchewan, in addition to BC and the PPSA in Alberta. It was



Janice Elmhirst
CPS-SCP President/présidente

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wonderful to meet so many fellow plant pathologists, both members and "soon-to-be" members. The student presentations were very impressive, as always. Congratulations to the winning presentations and posters and to all who participated.

It has been a difficult year for our society, with government funding cutbacks and cancellation of research programs and staff reductions. Our colleagues will be greatly missed, both personally and professionally. I wish them the very best for the future and I hope they will continue to work in plant pathology and participate in CPS. However, on a brighter note, a few job openings for plant pathologists have been posted on our website in recent months.

The new **CPS website** should be up and running in the New Year, so be sure to check it out!

I am pleased to invite everyone to attend the **Joint APS/CPS meeting in Minneapolis, August 9-13**. The link to the program has been posted on the CPS and APS websites and registration will open March 19. <http://www.apsnet.org/meetings/annual/Pages/default.aspx>

We don't have joint meetings with APS very often and it is a wonderful opportunity for graduate students, in particular, to make valuable contacts and network with their US colleagues and to be exposed to a wide variety of topics in plant pathology. The theme of the conference is "Plant Health, Soil Health, and Community Health" and the plenary session will include a GLENN ANDERSON LECTURE on world food security by Dr. Jennifer Thomson, from S. Africa.

REMINDER: The deadline for abstracts is **FEBRUARY 3-March 17 (not Feb. 1, as I said in my Sept. Message, but still earlier than usual)**. Please note that the **CPS Business Meeting will be on the first morning, Sunday, from 10-noon** (the same time as the APS business meeting), and the first technical sessions begin on Sunday afternoon.

Also, please note that in 2015, we will be having a joint meeting with PLANT CANADA, in Edmonton.

Our membership secretary, Vikram Bisht, would like to remind everyone that it is time to renew your membership in Canadian Phytopathological Society. You can use the link <http://phytopath.ca/membershipapplication.html>

I'd like to encourage everyone, especially students, to become members and volunteer for CPS committees - it is an excellent way to network and gain valuable experience. CPS membership also allows you to attend the APS/CPS joint meeting in Minneapolis at the member rate (even if not an APS member).

Have a wonderful holiday and I hope to see you all in Minneapolis.

Warmest regards,
Dr. Janice Elmhirst,
President, Canadian Phytopathological Society



Message de la présidente

Salutations et joyeuses fêtes à tous!

Je regrette de n'avoir pu assister à toutes les réunions régionales tenues d'un bout à l'autre du pays cet automne, mais j'ai pu malgré tout assister à celles des Maritimes et de la Saskatchewan, en plus de celles de la Colombie-Britannique et de la

Société
albertaine de
phytopathologie.
Cela a été
fantastique de
rencontrer
autant de
collègues
phytopathologistes,
membres de la
société et
« membres

potentiels ». Comme d'habitude, les présentations des étudiants étaient impressionnantes. Je tiens à féliciter les gagnants des présentations et des affiches ainsi que tous les participants.

À cause des compressions gouvernementales relatives au financement ainsi qu'à l'annulation de programmes de recherche et à la réduction de l'effectif, la Société canadienne de phytopathologie (SCP) a connu une année difficile. Nos collègues nous manqueront beaucoup, et ce, tant professionnellement que personnellement. Je leur souhaite le meilleur des succès et j'espère qu'ils continueront à travailler dans le domaine de la

phytopathologie et à s'impliquer dans la SCP. Toutefois, sur une note plus optimiste, au cours des derniers mois, quelques offres d'emploi s'adressant à des phytopathologistes ont été affichées sur notre site Web.

Le nouveau **site Web de la SCP** devrait être fonctionnel dans le courant de la nouvelle année : assurez-vous d'y jeter un coup d'œil!

J'ai le plaisir de vous inviter tous à assister à la **réunion conjointe de la Société américaine de phytopathologie (SAP) et de la SCP qui se tiendra à Minneapolis, du 9 au 13 août**. L'hyperlien concernant le programme de cette réunion (<http://www.apsnet.org/meetings/annual/Pages/default.aspx>) a été inséré dans les sites de la SCP et de la SAP : la période d'inscription débutera le 19 mars.

Nous n'avons pas souvent la possibilité de tenir ce genre de réunion avec la SAP et elle représente pour les étudiants diplômés, notamment, une merveilleuse occasion d'établir de précieux contacts avec leurs collègues américains, de participer à des réseaux dynamiques et de prendre connaissance d'une incroyable variété de sujets relatifs à phytopathologie. Le thème de la conférence est : « La santé des plantes et des sols associée à la santé des communautés ». De plus, la séance plénière inclura une conférence Glenn Anderson sur la sécurité alimentaire mondiale, conférence présentée par M^{me} Jennifer Thompson d'Afrique du Sud.

RAPPEL : Les résumés doivent être remis du **3 février au 17 mars (et non le 1^{er} février comme je l'avais indiqué dans mon message de septembre; c'est toutefois plus tôt que d'habitude)**. Veuillez noter que la **séance administrative de la SCP aura lieu le premier matin, dimanche, de 10 h à midi** (à la même heure que celle de la SAP), et que les premières séances spécialisées débuteront dimanche après-midi.

Veuillez également noter qu'en 2015 nous tiendrons une réunion conjointe avec Plant Canada, à Edmonton.

Notre secrétaire aux adhésions, Vikram Bisht, souhaiterait rappeler à tous que le temps est venu de renouveler votre adhésion à la Société canadienne de phytopathologie. Vous pouvez le faire en utilisant l'hyperlien suivant : <http://phytopath.ca/membershipapplication.html>.

Je voudrais encourager tout le monde, notamment les étudiants, à adhérer à la SCP et à participer à ses comités à titre de bénévoles — c'est un excellent moyen de se créer un réseau et d'acquérir une précieuse expérience. Votre adhésion à la SCP vous permet également de bénéficier du tarif de membre pour assister à la réunion conjointe SAP/SCP à Minneapolis, et ce, même si vous n'êtes pas membre de la SAP.

“Je voudrais encourager tout le monde, notamment les étudiants, à adhérer à la SCP et à participer à ses comités à titre de bénévoles — c'est un excellent moyen de se créer un réseau et d'acquérir une précieuse expérience.”

Passez de merveilleuses vacances et j'espère vous voir tous à Minneapolis.

Cordiales salutations!
Janice Elmhirst,
présidente, Société canadienne de phytopathologie



Regional Meeting Reports

Southwestern Ontario

2013 Annual Meeting Report from the Southwestern Ontario Regional Association of the CPS (SORA-CPS)

On November 2, 2013, SORA-CPS held its annual meeting from 9:30 am to 4:00 pm at the Southern Crop Protection and Food Research Centre, Agriculture and Agri-Food Canada, London, Ontario. The meeting was attended by over 30 attendees including students, plant pathologists, researchers, extension specialists and industry representatives. The program for the meeting included three invited talks and 10 poster presentations on a wide range of phytopathological topics.

Dr. Ken Conn, Regional Representative of SORA-CPS and CPS Treasurer presented opening remarks and welcomed the participants to SORA-CPS annual

meeting. Dr. Deena Errampalli (CPS President-Elect) brought greetings from the CPS Board. She read Dr. Janice Elmhirst, CPS President's, message which provided an update on national topics including initiatives to encourage student participation, scholarships and travel awards, etc. All were invited to attend the next APS/CPS annual meeting to be held in Minneapolis, MN in August of 2014.

There were three invited talks. Ms. Janice LeBoeuf, Vegetable Cops Specialist with Ontario Ministry of Agriculture and Food and Ministry of Rural Affairs (OMAF and MRA), Ridgetown, Ontario, presented a talk on "Current challenges in field vegetable pathology in Ontario". The second talk titled, "DIR1 moves to distant leaves during Systemic Acquired Resistance (SAR); what does it do once it gets there?" was presented by Dr. Robin Cameron,



Dr. Ken Conn (far left) and Dr. Deena Errampalli (far right) congratulate poster winners Sirjana Shrestha (L), Ping Deng (C) and Tanvir Bashar (R)

Professor, McMaster University, Hamilton, Ontario. Dr. Wendy McFadden-Smith, Tree fruits and Grapes IPM specialist, OMAF and MRA, Vineland, Ontario, presented the third talk on “Sour rot disease of grapevine; the perfect pathology for pedagogy.”

Drs. Robin Cameron and Deena Errampalli participated as judges for the student poster presentation competition. Dr. Ken Conn presented three prizes to Student poster competition winners. The first prize for the best student poster presentation was awarded to **Sirjana Shrestha**, Western University, London, Ontario and SCPFRC, AAFC, London, Ontario, for her poster on “Inheritance of virulence in the root rot pathogen *Phytophthora sojae*”. The second prize winner was **Tanvir Bashir**, SCPFRC, AAFC, London, Ontario and Western University, London, Ontario for his poster, A preliminary study on soybean mosaic virus transmission via soybean seeds” and the third prize went to **Ping Deng**, SCPFRC, AAFC, London, Ontario and Fujian Agriculture and Forestry University, Fujian, China for her poster on “The potyviral CI protein plays an essential role in Viral replication, cell-to-cell movement and systemic infection”.

Dr. Ken Conn conducted the business meeting following the formal talks and poster presentations. Regional funds are in good shape. Impact of travel restrictions was evident resulting in low participation by government research and extension personnel. This is a cause for concern. The regional meeting for 2014 is planned to be held in November. Thanks to the judges of the student poster competition, and to the local arrangements committee putting together a one day program and for providing delicious lunch (Drs. Ken Conn, Deena Errampalli and Aiming Wang, and Nadia Morales and Aaron Simkovich).

Respectfully submitted by:
Deena Errampalli
(Chair, SORA-CPS Local Arrangements Committee and CPS President-Elect)



Eastern Ontario

The CPS Regional report from Eastern Ontario

The Eastern Ontario regional meeting was held at 1:00 PM on November 7 at the Headquarters of the Pest Management Centre (PMC) in Ottawa. There were 15 professional participants from the Eastern Cereal and Oilseed Research Centre, the Pest Management Centre, the Canadian Food Inspection Agency and two CPS retirees at the meeting.

The meeting started with opening remarks by Dr. Manjeet Sethi, PMC Executive Director, who described the Centre’s main activities and its linkages with the Science and Technology Branch of AAFC and the Pest Management Regulatory Agency (PMRA). Dr. Sethi highlighted the main focus of both the Pesticide Risk Reduction (PRR) and Minor Use Pesticides (MUP) Programs of PMC in delivering pest management solution to growers, emphasizing continued support to address pest issues of priority to the Canadian agriculture sector. Interestingly, PMC is celebrating its 10th Anniversary this year with its network of nine research sites at Agriculture and Agri-Food Canada Research Centres across the country. Over this period more than 950 projects were carried out and over 1200 new minor uses for pesticides were registered through the Minor Use Pesticides Program (MUPP), and 15 Pesticide Risk reduction Strategies and IPM tools were created. As shown on the PMC website, thirty crop profiles were completed and over 200 new biopesticides were registered.

Dr. Cezarina Kora, plant pathologist and acting manager of the PRR Program made a presentation on the Program’s work to address Fusarium Head Blight (FHB) management in wheat. She reported on progress with various approaches tested through a number of projects funded by the Program, including disease forecasting, and also biological and cultural controls. A national FHB working group, consisting of experts and stakeholders across the Canadian grain sector has been consulted since 2009 to establish a reduced risk strategy for FHB.

As part of this strategy, several forecasting models have been tested and validated over the past years in Ontario, Saskatchewan, Manitoba and Quebec,

including DONcast and De Wolf, which are now accessible to growers. Also, biocontrol studies were conducted to assess the efficacy of a native *Clonostachys roseae* strain, ACM941 to suppress *Fusarium graminearum*. Identified and developed by AAFC scientist Dr. Allen Xue, the ACM941 strain appears to be a promising candidate for biocontrol of FHB which besides suppressing disease, was also observed to reduce *F. graminearum* perithecia counts.

Recently, a licencing opportunity became available for AAFC's patented technology of *C. rosea* strain ACM941, to identify an industry partner interested in gaining sole rights to mass produce, register and market the new biopesticide. For this, AAFC's Commercialization Office had launched an open Request for Proposal between November 7-19, 2013. Cezarina underlined this as an important milestone in the work supported by PMC to-date, as it provides an opportunity to move this product forward as a biopesticide solution for grain growers.

This presentation was followed by an update on the pathology section of the MUPP Program, addressing residue, efficacy, crop tolerance and worker exposure testing, by Jennifer Ballantine, Section Head of the pathology team at PMC. Jennifer described how priorities and projects are selected annually by stakeholders and that selection of biopesticide priorities will follow this process as well in 2014. Data is then collected to support registration and submitted to the PMRA for review. Among the main activities recently, the control of downy mildew and phytophthora on lettuce, green and dry onions, field and greenhouse cucumbers, succulent peas, ginseng and melons were investigated jointly with the US Inter-Regional Research Project No. 4 (IR-4). Also, to fulfill particular Canadian growers' needs, a major study was carried out on fireblight in pears with the natural antibiotic kasugamycin (Kasumin).

A short business meeting followed these presentations, with the current CPS Representative extended for another two years by the attending membership. The issue of the pending Canadian Workshop on Fusarium Head Blight (CWFHB), which is usually held in Ottawa every four years, was raised and the membership hoped this temporary cancellation due to the difficulty of federal

scientists to attend such events will be lifted. Cezarina reported that this event is important for stakeholders of the grain sector who need to have such a forum to discuss the most current knowledge and developments in FHB management. The possibility of joining this event with a CPS activity in the future was also raised by Dr. André Lévesque. The meeting was adjourned at 2:45 pm.

We would like to take the opportunity to thank Cezarina Kora and Kathryn Makela for their dedicated support in organizing this meeting.

Respectfully yours,

Dr. Bernard Vigier

Eastern Ontario CPS Representative

For more details, contact: vigier.cps.scp@gmail.com



Manitoba

2013 Manitoba CPS regional Meeting minutes.

The 2013 Manitoba Regional Meeting of the Canadian Phytopathological Society was held on the 20th of November at the University of Manitoba's Ian Morrison Research Farm, Carman, Manitoba. 30 people attended the event.

Registration started at 8:30am, with coffee and donuts.

Dr. Bisht, who organized the meeting this year, conveyed greetings from the current CPS President, Dr. Elmhirst. Then Dr. Daayf, the MB Regional Representative and Past-President, welcomed the participants. After introductions, 8 oral communications were presented by students, post-docs, and guest speaker Dr. Teresa de Kievit from Dept. of Microbiology, University of Manitoba, as follows:

Arfaoui, A., Adam, L., El Hadrami, A., & Daayf, F. Effect of foliar applications of a calcium based-formulation on the antioxidant systems of soybeans affected by *Sclerotinia sclerotiorum* (Lib.) de Bary.

Liu, C., Fernando, W.G.D., Gan, Y.T., Kutcher, H.R., Peng, G., Parks, P. & Kirkham, C. Evaluation of fungicide strategies for mitigating blackleg disease of canola and in vitro fungicide (QoI and DMI) sensitivity test of *Leptosphaeria maculans*.

Hajihassani, A., Tenuta, M., & Gulden, R.H. Host suitability of pulse and non-pulse crops to the stem nematodes, *Ditylenchus weischeri* and *D. dipsaci*.

Liban, S.H. & Fernando, W.G.D. Genetic Variation between Globally Isolated Subpopulations of *Leptosphaeria maculans*.

Zhang, X., Fernando, W.G.D., & Belmonte, M. Preliminary results of global and site-specific host defense gene expression in *Brassica napus* - *Leptosphaeria maculans* pathosystem.

Mao, X., Fernando, W.G.D., & Belmonte, M. Genomic profiling of Sclerotinia-infected leaf tissue.

Islam, M.R., Alkher, H., Godee, C., Bezzahou, M., Adam, L.R., Kawchuk, L.M., Dobinson, K.F., Conn, K., Peters, R.D., Al-Mughrabi, K.I., Shinnars-Carnelley, T., & Daayf, F. Microsatellite markers reveal two distinct genetic groups of the late blight pathogen *Phytophthora infestans* in Manitoba.

de Kievit, T., Nandi, M., Brassinga, A.K., Loewen, P.C., & Fernando, W.G.D. Pseudomonas sp. DF41 biological control: keeping fungi and bacterial predators at bay.

At lunch time, one poster was presented by James Tucker: Breeding for Stem rust (*Puccinia graminis* f. sp. *tritici*) Resistance in Barley (*Hordeum vulgare*) at the AAFC Brandon Research Centre: Future Directions. **Tucker, J.R., Legge, W.G., Badea, A., & Fetch, T.G. Jr.**

After lunch, five more oral communications were presented as follows, including guest speakers Winnie McNabb from DuPont Pioneer:

Falak, I., McNabb, W., Patel, J., & Hacault, K. Breaking the Mold – Development of Sclerotinia Resistance in Canola.

Dakouri, A. & Fernando, W.G.D. Frequency and global distribution of avirulence (Avr) genes in an

international isolate collection of *Leptosphaeria maculans*

Becker, M., Fernando, W.G.D., & Belmonte, M.F. Isolation of quality RNA From laser microdissected tissues of canola infected with *Leptosphaeria maculans*.

Madani, M., Tenuta, M., Welacky, T., & Tenuta A. Development of molecular identification methods specific to Ontario populations of the soybean cyst nematode (*Heterodera glycines*).

Tenuta, M., Madani, M., & Lange, D. Preliminary results of the 2012/2013 Manitoba soybean cyst nematode survey.

Business meeting

After the adoption of last year meeting's minutes (Menzies/Rashid), the members discussed the possibility for our regional section to continue sponsoring one or two foreign scientists. The Manitoba regional section has been sponsoring foreign scientists for many years by buying them regular membership to the CPS, including subscription to the Canadian Journal of Plant Pathology. Dr. Daayf asked that members suggest names to be considered.

Dr. Daayf provided an update on the CPS website, informing the audience that CPS has sub-contracted a specialized firm to revamp the society's website, and that the new website is expected to be up and running in a number of weeks.

After Dr. Daayf presented a financial update of the Manitoba regional section, it was proposed that the next meeting be held in Morden, Manitoba in 2014.

Dr. Daayf thanked all those in the audience for coming, and Dr. Vikram Bisht for organizing this year's meeting. The meeting was adjourned at 4:00 pm.

Respectfully submitted,

Dr. Fouad Daayf
CPS MB Regional Representative



Saskatchewan

2013 CPS-SK Annual Meeting

The Saskatchewan chapter of CPS enjoyed a successful meeting in December, with participation of over 70 attendees. Our success was due largely to the contributions of graduate students, who delivered 9 of the 15 oral presentations. We were very pleased that 4 of the 10 posters were presented by technicians. Attendees enjoyed a wide variety of topics (such as pathogenic mycorrhizae, disease management, host resistance, pathogen detection and taxonomy), explored from many perspectives (chemistry, molecular biology, ecology, and agriculture). It was truly invigorating to hear about the diverse research and collaborative efforts being made in our own backyard. We were fortunate to welcome CPS President Janice Elmhirst to our meeting. Her energy and enthusiasm for plant pathology are infectious, and we enjoyed her company for the meeting and during the social gathering that evening.

Student awards were given out after some intense debate, since the student presentations were all of very high quality. Rishi Warale, an M.Sc. student in Dr. Sabine Banniza's lab at the University of Saskatchewan, was awarded the oral presentation prize for his talk entitled "Morphological and molecular characterization of the causal agent of anthracnose on *Lens culinaris* in Western Canada". The poster prize went to James Bush, a University of Saskatchewan M.Sc. student in Dr. Yangdou Wei's lab, for his work on "In vivo imaging of *Plasmodiophora brassicae* infection in *Arabidopsis* using a fluorescence probe". Congratulations!

Our sincere thanks go to BASF and CPS for their financial support of our meeting.

Cheryl Armstrong-Cho
CPS regional representative for Saskatchewan



Faye Dokken-Bouchard presents awards to Rishi Warale (above) for best oral presentation, and to James Bush (below) for best poster presentation



Alberta

2013 PPSA Annual Meeting

The 34th Annual Meeting of the Plant Pathology Society of Alberta was held at the Crop Diversification Centre South (CDCS) in Brooks, AB on November 4-6, 2013. There were 47 registrants and invited guests who had the opportunity to hear 15 oral presentations and view 16 poster presentations covering a wide array of topics. Special guests included Dr. Janice Elmhirst (CPS President), Dr. Darcy Driedger (CDCS Station Director) and Dr. James Calpas (Executive Director of Alberta Agriculture & Rural Development's Crop Research and Extension Division).

Recognition of outstanding presentations and scholastic achievement took place at a banquet on the evening of November 5th, where the following awards were presented:

- Barb Ziesman was awarded the PPSA student scholarship (\$1000)
- Michele Frick won the Technician presentation award for talk entitled 'Molecular characterization of Pst races from Alberta'
- Alireza Akhavan won the student poster award for his presentation entitled 'Genetic diversity of the spot form of the net blotch pathogen of barley (*Pyrenophora teres* f. *maculata*) on the Canadian Prairies as revealed by simple sequence repeats analysis.'

- Barb Ziesman won the student oral presentation award for her talk entitled 'Initial validation of a quantitative PCR-based system for detection of *Sclerotinia sclerotiorum* on canola.'

The membership observed a moment of silence in to honour a recently deceased former member of the society, Dr. Yasuyuki (Yasu) Hiratsuka. Additionally, the membership extended honorary life memberships to Mr. Byron Puchalski and Dr. Ron Howard in acknowledgement of outstanding service to the society for many years.

CDCS, in Brooks, AB, hosted the scientific program which allowed the meeting participants to enjoy a guided tour of Alberta Agriculture and Rural Development's newly completed Greenhouse Research and Production Complex. This tour was one of the highlights of the annual meeting due, in part, to the fact that sample bags of cherry tomatoes and mini-cucumbers were distributed to each participant.

The final session of the scientific program was a mini-symposium on greenhouse diseases where an overview of Alberta's greenhouse industry was provided by Dr. Mohyuddin Mirza, and disease topics such as internal fruit rot of pepper, cucumber green mottle mosaic virus, and substrate/root rot diseases were covered by Drs. Jian Yang, John Zhang and Ron Howard, respectively.



Crop Diversification Centre South, Brooks, Alberta

Michael Harding,
President, PPSA

2013 PPSA Annual Meeting....



L-R: Denis Gaudet (PPSA Awards Committee), Alireza Akhavan (Best Student Poster), Barbara Ziesman (Best Student Oral Presentaiton), Michele Frick (Best Technician Presentation), Janice Elmhirst (CPS President)



Honorary Life Members Byron Puchalski (left) and Ron Howard (center) with PPSA President Michael Harding (right)



Alberta Agriculture and Rural Development's Greenhouse Research & Production Complex at the Crop Diversification Centre South in Brooks, AB



Participants in the 34th Annual Meeting of the Plant Pathology Society of Alberta, November 4-6 at the Crop Diversification Centre South, Brooks, AB

Other Meeting Updates

Saskatchewan Plant Disease Committee

2013 SPDC Annual Meeting

The Saskatchewan Plant Disease Committee met December 10 2013 at the College of Agriculture and Bioresources of the University of Saskatchewan. The meeting was chaired by Faye Dokken-Bouchard (Saskatchewan Ministry of Agriculture), and Glenda Clezy (DuPont-Pioneer) was the meeting secretary. This informal meeting provides an opportunity to review plant disease related issues from the previous season, with an emphasis on discussion. The meeting was attended by members of the agriculture research, extension, and industry communities from around the province. Disease reports on oilseeds, pulses, cereals and horticultural crops served as a platform for lively exchange of information. Updates were received

regarding Gardenline (an extension resource for home gardeners), Dutch Elm disease, export issues (CFIA), and seed treatment pesticide concerns (PMRA). Special topics for discussion were supported by presentations on clubroot, stripe rust and *Aphanomyces* root rot. In the light of a successful crop year in Saskatchewan, the ongoing challenges of plant disease management were met with optimism. The group indicated a desire to have access to pesticide use information for each region of the province in order to support application recommendations to growers.

Cheryl Armstrong-Cho

Global Plant Council

Plant Canada is a member of the Global Plant Council and by extension, CPS is a member via Plant Canada.

Brief News from the 2013 Annual Meeting of the Global Plant Council

The 2013 Global Plant Council (GPC) Annual Meeting was graciously hosted by the Howard Hughes Medical Institute on October 20–22 2013 at its headquarters in Washington DC, USA. 25 delegates representing 20 GPC member societies and organisations from 16 different countries gathered together to discuss progress during the last year as well as future strategies and initiatives.

The GPC will focus its current activities on two main areas. Firstly, it will be an advocate for plant and crop science at the global level with the ambition to be consulted by bodies such as the FAO, G8, G20 and the United Nations, on global problems facing humankind. Secondly, it will act as a catalyst to initiate plant-based solutions to global problems via the GPC Initiatives for Grand Challenges.

The GPC looks forward to working with all its members and other partners during the next 12 months when it will be actively pursuing its Digital Seed Bank initiative. In collaboration with colleagues from the Seed Seq project and the Global Crop Diversity Trust, these activities include a workshop to be held in January 2014 in San Diego, USA. At this workshop we will discuss the potential of untapped variation from plant and crop biodiversity that exists in seed banks across the world to help us feed the growing population in a sustainable manner.

Council members will also be working together to progress its initiative in biofortification via a GPC Forum in the summer of 2014.

If you would like further information on the Global Plant Council please contact Executive Director Ruth Bastow: ruth@globalplantcouncil.org

Please visit the Global Plant Council at <http://globalplantcouncil.org>.



Global Plant Council Overview

What is the Global Plant Council (GPC)?

The GPC is a coalition of 25 plant and crop organizations and societies from across the globe. Through its member organizations the GPC represents at least 40,000 researchers spread over five continents.

GPC Priority Areas

- Agricultural Productivity and Sustainability
GPC Initiative: Capturing Crop Biodiversity – Digital Seed Bank
- Food and Human Health
GPC Initiative: Dealing with Malnutrition – Biofortification
- Adaptation to Climate Change
GPC Initiative: Towards Yield Stability – Stress Resilience
- Data, Knowledge and Resources
Cross-cutting theme throughout all initiatives

Unique Role of GPC

1. Provide a voice for plant and crop science at the global level that is not possible at the national/regional level. For example, the GPC has the ambition to be consulted by the G8, G20 and FAO on global plant and crop research.
2. Bring plant and crop scientists together at the global level to pool expertise and knowledge in order to define and engage in coordinated strategies that impact the most critical global issues. This will be achieved via GPC Initiatives for Global Challenges.

3. Generate a critical mass for plant and crop science at the global level to undertake activities and generate greater leverage than one organisation could achieve on its own. For example, the GPC plans to undertake an economic assessment of the global value of plant and crop science.

What Does GPC Hope to Achieve?

1. Be an advocate for plant science at the global level
2. Act as a catalyst to initiate plant-based solutions to global problems

GPC Advocacy Activities

1. To be consulted by the UN, G8, G20 and FAO on global plant and crop research
2. Organise an economic assessment of the value of plant and crop science
3. Generate policy/advocacy papers to promote awareness of plant science
4. Provide commentary articles for Nature and Science to promote the importance of plant science.
5. Collate and promote success stories in plant science across the globe
6. Promote global scientific prizes for which plant scientist are eligible

GPC Catalyst Activities

1. Digital Seed Bank and Seed Seq Workshop Jan 2014 San Diego
2. Global Plant Council Forum on Biofortification July 2014 China
3. Global Plant Council Forum on Stress Resilience 2015 in collaboration with SEB
4. Explore the possibility of African Agricultural Workshop with International Crop Science Society

For more information, please visit the Global Plant Council at <http://globalplantcouncil.org>.



Announcements

2014 APS-CPS Joint Meeting August 9 – 13, 2014 Minneapolis Convention Center Minneapolis, Minnesota, U.S.A.

Minneapolis, City by Nature, is the perfect location for the American Phytopathological Society to welcome the Canadian Phytopathological Society (CPS) as part of the 2014 APS-CPS Joint Meeting!

The 2014 meeting theme “Plant Health Connections” offers discussion of the inseparable connections between plant health, soil health, agricultural sustainability, the safety and security of the food supply, environmental quality, climate change, and also the sustainable production of feed, fiber, and biofuel crops. During the 2014 joint meeting of APS-CPS, we will address our connections to plant health through any number of interactions, particularly as they relate to the present and future contributions of plant pathology in solving the major challenges facing agriculture and society.

For regular updates, visit <http://www.apsnet.org/meetings/annual/Pages/default.aspx>

Abstracts will be accepted from Feb. 3-March 17 and registration information will be posted March 19, 2014



**Canadian
Phytopathological
Society**



**La Société
Canadienne de
Phytopathologie**

ISPP - International Newsletter on Plant Pathology



International Society for Plant Pathology

News and announcements from all on any aspect of Plant Pathology are invited for the Newsletter. Contributions from the ISPP Executive, Council and Subject Matter Committees, Associated Societies and Supporting Organizations are requested.

Editor: Brian J Deverall e-mail:
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Members of Associated Societies of ISPP can receive e-mail notification of Newsletter updates by joining the ISPP mail list.

<http://www.isppweb.org/newsletter.asp>

ISPP NEWSLETTER 43(11) November 2013

- 11th Conference of the European Foundation for Plant Pathology in Krakow, Poland
- Revised Dates - Pakistan Phytopathological Society to hold International Conference
- Eighth International Symposium on Chemical and Non Chemical Soil and Substrate Disinfestation
- New Strain of Leaf Rust of Wheat found in Australia
- The Special Issue from the 8th International Workshop on Grapevine Trunk Diseases in Valencia
- The Ecological Genomics of Fungi
- Research Drones to Track the Movement of Microorganisms that Surf Atmospheric Waves
- CTA Publishing Newsletter
- APS Reiterates Support of Biotechnology on World Food Day 18 October 2013
- Structural Basis for flg22-Induced Activation of the Arabidopsis FLS2-BAK1 Immune Complex
- Sclerotinia, on Oilseed Rape in Western Australia

- The European Association for Potato Research
- XVI Congress of the International Society of Molecular Plant-Microbe Interactions
- Acknowledgements
- Coming events

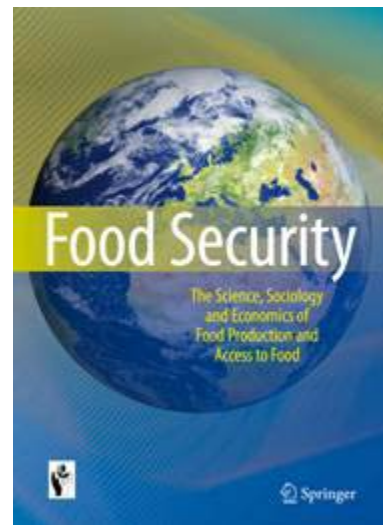
ISPP NEWSLETTER 43(12) December 2013

- Seasonal Greetings
- Virus Taxonomy
- A severe dieback of *Acer pseudoplatanus* in planted forest stands in Northern Italy
- International Mycotoxin Conference 2014 Beijing, China from 19 to 23 May 2014
- Fireblight in Catalonia, Spain
- John M Young 1942-2013
- Xylella Leaf Scorch of Olive in Italy: Suspected
- An *Aspergillus* strain to produce second-generation biofuels
- Okra Handbook: Global Production, Processing, and Crop Improvement
- October edition of the AIFSRC newsletter
- Top 10 plant viruses in molecular plant pathology
- Plant Cell Reports
- International cooperation yields wilt resistant banana varieties for Uganda
- Relation between plant nutrition, hormones, insecticide applications, bacterial endophytes, and *Candidatus liberibacter Ct* values in citrus trees
- Acknowledgements
- Coming Events

ISPP NEWSLETTER 44(1) January 2014

- Happy New Year and Season's Greetings to All
- Enthusiastic Response to the 2014 International Horticultural Congress
- Ban on Importing South African citrus into the European Union
- Grand Challenge Exploration Awardee
- New banana disease spreading throughout Africa

- Studies in Mycology
- New exotic disease of rice in Colombia
- Mycopathologia
- Understanding the role of alternative host plants in tomato potato psyllid and Liberibacter life cycle and ecology
- The Crawford Fund
- Pospiviroids
- Fungal Diversity
- Acknowledgements
- Coming events



Employment



DEPARTMENT OF AGRICULTURE,
AQUACULTURE AND FISHERIES

**INTEGRATED PEST MANAGEMENT SPECIALIST –
DISEASE MANAGEMENT (AGRICULTURIST 2-3)**

OPEN COMPETITION FREDERICTON

The Department of Agriculture, Aquaculture and Fisheries is seeking an individual to join the Sector Specialist Services Branch as an Integrated Pest Management Specialist – Disease Management working in the Fredericton office.

Reporting to the Director of Sector Specialist Services the successful candidate will be primarily responsible for planning, developing, implementing and evaluating strategies, programs and initiatives related to disease management to support the development of all agricultural crop sectors in New Brunswick. The successful candidate will ensure that producers are provided

with state of the art expertise, technology and information required to stimulate innovation, improve competitiveness and encourage development and sustainability of crop production sectors in New Brunswick.

The Disease Management Specialist will be responsible for providing disease related diagnostic and technical support to New Brunswick producers, departmental specialists and crop development officers for an extensive range of crops. Technical support will be provided individually to growers upon request and will also be delivered through the production of, or participation in: training sessions, field days, fact sheets, guides, crop updates and web based pest images. The successful candidate will also be responsible for carrying out adaptive research to address emerging pest issues including the support of pesticide registration. The individual will also be required to analyze and provide comments to senior management on disease and related issues and to represent the department on various national and provincial committees.

ESSENTIAL QUALIFICATIONS:

A Masters Degree in Science with specialization in plant pathology or a closely related field and a minimum of eight (8) years of related work experience in plant pathology for the Agriculturist 3

OR a Masters Degree in Science with specialization in plant pathology or a closely related field for the Agriculturist 2. An equivalent combination of education, training and experience may be considered.

Eligibility for membership in the NB Institute of Agronomists is required. The successful candidate will have competence in the use of Microsoft Office product. Written and spoken competence in English is required. Please state your language capability.

Subject to the response to this competition and dependent upon the experience of the successful candidate, an appointment may be considered at the lower level.

Candidates must demonstrate on their applications how they have acquired the skills and qualifications to be given further consideration. Please ensure that preferred language for assessment is identified on your resume.

APPLY TO:

We encourage applicants to apply on-line at www.ere.gnb.ca or by mail at the following address indicating competition number: **DAA/MAA 10-13-07**.

N.B. Department of Agriculture, Aquaculture and Fisheries, Human Resources Branch, P.O. Box 6000, Fredericton, NB, E3B 5H1, or e-mail at DAAMAHumanResources@gnb.ca. Telephone: (506) 453-2666.

THIS COMPETITION WILL REMAIN OPEN UNTIL THE POSITION IS FILLED.

MINISTÈRE DE L'AGRICULTURE, DE L'AQUACULTURE ET DES PÊCHES

SPÉCIALISTE DE LA LUTTE CONTRE LES PARASITES – GESTION DES MALADIES (AGRONOME 2-3)

CONCOURS PUBLIC FREDERICTON

Le ministère de l'Agriculture, de l'Aquaculture et des Pêches cherche à pourvoir le poste de spécialiste de la lutte contre les parasites – gestion

des maladies à la Direction du secteur des services spécialisés, à son bureau de Fredericton.

Relevant du directeur du Secteur des services spécialisés, la personne choisie sera principalement chargée de planifier, d'élaborer, de mettre en œuvre et d'évaluer des stratégies, des programmes et des initiatives portant sur la gestion des maladies pour appuyer le développement de tous les secteurs de production agricole du Nouveau-Brunswick. Elle s'assurera que les producteurs ont accès aux connaissances spécialisées, à la technologie et aux données les plus récentes afin de stimuler l'innovation, d'améliorer la compétitivité et d'encourager le développement et la viabilité des secteurs de cultures au Nouveau-Brunswick.

Le spécialiste de la gestion des maladies formulera des diagnostics concernant des maladies et fournira un soutien technique aux producteurs néo-brunswickois, aux spécialistes du Ministère et aux agents de développement des productions végétales pour un large éventail de cultures. Il offrira individuellement un soutien technique aux producteurs, sur demande. Il peut aussi fournir un tel soutien en préparant des séances de formation, des journées champêtres, des feuilles de renseignements, des manuels, des comptes rendus de cultures et des images sur les ravageurs destinées au site Web, ou en contribuant à leur préparation. La personne choisie sera également responsable d'effectuer des recherches d'adaptation pour remédier à des problèmes liés à de nouveaux ravageurs, ce qui comprend d'appuyer l'homologation de pesticides. De plus, elle devra analyser des maladies et des problèmes connexes et fournir des commentaires à leur sujet à la haute direction, ainsi que représenter le Ministère à divers comités nationaux et provinciaux.

QUALIFICATIONS ESSENTIELLES :

Les personnes candidates doivent être titulaires d'une maîtrise en sciences avec spécialisation en phytopathologie ou dans un domaine étroitement lié ainsi que posséder au moins huit (8) années d'expérience pertinente en phytopathologie pour l'agronome 3 OU être titulaires d'une maîtrise en sciences avec spécialisation en phytopathologie ou dans un domaine étroitement lié pour l'agronome 2. Une combinaison équivalente

d'études, de formation et d'expérience pourrait être considérée.

Les personnes candidates doivent remplir les conditions voulues pour devenir membre de l'Institut des agronomes du Nouveau-Brunswick. La personne choisie démontrera des compétences dans l'utilisation des produits Microsoft Office.

La connaissance de l'anglais parlé et écrit est nécessaire. Veuillez indiquer votre capacité linguistique.

Selon le nombre de candidatures reçues pour ce concours et selon l'expérience de la personne choisie, une nomination peut être considérée au niveau inférieur.

Les personnes candidates doivent démontrer dans leur demande la façon dont elles ont acquis les compétences et les aptitudes requises pour le poste afin que leur candidature ne soit pas rejetée. Elles doivent préciser dans leur curriculum vitae la langue de préférence pour l'évaluation.

Le présent concours peut servir à pourvoir de futurs postes vacants de même niveau. Nous souscrivons au principe d'égalité d'accès à l'emploi et préconisons l'utilisation réduite de produits parfumés.

ENVOI DE LA DEMANDE :

Nous encourageons les postulants à poser leur candidature en ligne, à l'adresse www.ere.gnb.ca, ou par la poste, à l'adresse ci-dessous en précisant le numéro de concours **DAA/MAA 10-13-07**.

Ministère de l'Agriculture, de l'Aquaculture et des Pêches du Nouveau-Brunswick, Direction des ressources humaines, C.P. 6000, Fredericton (N.-B.) E3B 5H1, ou par courriel à : DAAMAAHumanResources@gnb.ca.
Téléphone : 506-453-2666

CE CONCOURS SERA ACTIF JUSQU'À CE QUE LE POSTE SOIT COMBLÉ.



Submission Deadline for the March 2014 issue of CPS-SCP News

PLEASE NOTE: The submission deadline for the March 2014 issue of CPS - SCP News is **February 21, 2014**. If you send photographs for publication in the CPS-SCP News, please ensure that you indicate that all individuals appearing in the photographs have given permission for their photographs to appear in the newsletter. Photographs will not be published if permission has not been obtained from the individuals involved.

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