



Pesticulars

The Professional Pest Management Association of B.C.

Why join the Professional Pest Management Association of B.C.?

Consider the member benefits

- ∞ Admission to the Annual General meeting and a copy of the proceedings. The AGM has gained a reputation for strong agendas and interesting speakers
- ∞ An established means for communication amongst your professional peers
- ∞ Collective voice for advocating the pest management approaches you believe in: see our mission statement
- ∞ Your copy of *Pesticulars* the popular PPMA newsletter, published twice a year, including the AGM proceedings
- ∞ A facility to shop your resume in case you are looking for employment
- ∞ A venue for students to talk about their research
- ∞ And ... the lowest membership fee for any professional organization ... *on the planet*

www.sfu.ca/~ppmabc/

President's Message

Rob McGregor

Welcome to PPMABC for 2007. The profession of pest management continues to be vitally important in British Columbia and around the world. We share the planet with numerous organisms that cause problems for humans. Whether they are disrupting our production of food and fibre or compromising human health through transmission of disease, pest organisms are an ongoing challenge. Global climate change and the introduction of exotic invasive species also contribute to the emergence of new pest problems. In this dynamic context, it is clear that innovative biologically-informed management strategies will be essential to solve current and future pest problems.

PPMABC contributes to the science of pest management by providing a forum that unites pest managers from a variety of backgrounds. We operate in contrast to societies that service disciplines like entomology or plant pathology. Our focus is on the management of pest organisms whatever their taxonomic origin. I believe that there is tremendous utility in uniting the various biological disciplines that address pest problems. Common themes, approaches and philosophies of pest management can emerge from such associations, as can a widely-informed membership.



I hope all of you will take the time to attend our upcoming AGM on Friday February 22nd 2008 at the Halpern Center at SFU. We hope to present a lively and informative program that reflects current trends and research in pest management in BC. To that end, I invite you to submit a talk for the meeting or to encourage one or more of your students to participate. The PPMA executive has made the decision to run a theme-free meeting of contributed talks in an attempt to capture the current spirit of pest management in BC. I would also remind you that we award student paper prizes at our AGM which is further reason for student participation.

As usual, we live in interesting and exciting times regarding pest management in BC.

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Problems as diverse as mountain pine beetle, tomato psyllid, blueberry scorch virus and West Nile virus all require attention by professional pest managers. Research and education in pest management continue to grow in BC with the establishment of the BSc in Pest Management at Kwantlen University College and the Thelma Finlayson Endowed Chair in Biological Control at SFU. In the midst of all this diverse activity, I believe we stand to gain a tremendous amount by participating in an organization dedicated to interdisciplinary pest management science. I urge you to join PPMABC or renew your membership for 2008 and, most importantly, to participate in our upcoming AGM. I look forward to seeing you in February.

Call for nominations – Pherotech Award

We are seeking nominees for the Pherotech Award for 'significant contributions to pest management', to be awarded at our AGM on February 22, 2008. If you would like to nominate someone, please contact ppmabc@sfu.ca.

Nomination deadline: January 18, 2008.

<http://www.sfu.ca/~ppmabc/en/pheroaward.html>

SFU Masters of Pest Management updates

New Biocontrol Chair

The Thelma Finlayson Endowed Chair in Biological Control was initiated by a generous grant provided by Dr. Thelma Finlayson who was one of the original founders of the MPM program at SFU. The Chair conducts research in biocontrol while contributing to the development and teaching of courses in the MPM program.

Dr. Jenny Cory has accepted the Thelma Finlayson Endowed Chair in Biological Control and will join the department in September of 2008. Dr. Cory's experience in biological control and her research on the ecology of insect pathogens and their potential use in pest management will give a tremendous boost to the Masters of Pest Management program.

Recent MPM Grads

We would like to congratulate the most recent graduates on their successful completion of the MPM program at SFU:

Gagandeep Hehrrar studied pheromone communication in the European earwig and

successfully defended her thesis entitled: 'Pheromonal communication in European earwigs, *Forficula auricularia* L. (Dermaptera: Forficulidae)'.

Eric Siljander studied pheromone communication in bedbugs and also successfully defended his thesis entitled 'Intraspecific communication of the common bed bug, *Cimex lectularius* Linnaeus (Hemiptera: Cimicidae)'.

Kwantlen University College updates

Bachelor of Science program in IPM

In September the first students of the new bachelors' degree program at Kwantlen's School of Horticulture were enrolled. In years one and two, students will take foundation courses in the sciences, plant identification, horticultural production and business. In years three and four, a number of courses will be designed to focus on Integrated Pest Management such as entomology, plant pathology and biological pest management. The curriculum also includes two practicum courses and a research project. More information on the program can be found at:

<http://www.kwantlen.ca/calendar/programs/bsc-ipm.html>.

Institute for Sustainable Horticulture Biocontrol Seminar and Workshop Series

The third instalment of the series 'Beneficial Fungi and their use in Biocontrol' was held in conjunction with Kwantlen IPM Day on October 25th and 26th. Both the seminar and workshop had a full house and participants came from all backgrounds: students, consultants, researchers, growers and government. The seminar was held on Thursday and was open to anyone interested and free for students! Dr. Deborah Henderson, director of ISH, invited experts from Canada, United States and Britain to discuss what are beneficial fungi, how they are used in biocontrol and research from around the world. Featured speakers were:

Dr. Denny Bruck a research entomologist with USDA in Oregon who spoke about research on *Metarhizium anisopliae* in root weevil pest management programs.

Dr. David Chandler is a microbiologist and entomologist with the Integrated Pest Management and Biocontrol group at the University of Warwick, and Warwick Horticulture Research International in the U.K. Dr. Chandler discussed microbial control agents that are commercially used to control greenhouse and field diseases in Britain as well as research into

Professional Pest Management Association of British Columbia

Call for submission of oral presentations
2008 Annual General Meeting

Friday, February 22, 2008
Halpern Centre, SFU

Student Awards Presented

Submit title, authors, abstract (50 words),
and contact information by January 18, 2008

ppmabc@sfu.ca

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controlling spider mites, carmine mites, varroa mites and western flower thrips with microbial controls.

Dr. Mark Goettel is a research scientist in insect pathology at Agriculture and Agri-food Canada (AAFC), Lethbridge, Alberta. Dr. Goettel reviewed the biology of entomopathogenic fungi and how they are used for biocontrol and the possibilities of using microbials as dual control agents for insect and disease pests.

Dr. Todd Kabaluk is a research biologist in integrated pest management at AAFC, PARC, Agassiz. Dr. Kabaluk has been conducting research with isolates of *Metarhizium anisopliae* and he presented research on laboratory and field studies with *M. anisopliae* and wireworm. He also introduced a "Directory of Microbial Pesticides for Agricultural Crops in OECD Countries" a document that was published by Kabaluk and AAFC in 2005 that is now available as an online searchable database (www.agr.gc.ca/prrmup).

Dr. Zamir Punja, a professor of Plant Pathology and Plant Biotechnology at Simon Fraser University. Dr. Punja's lab studies the ecology and control of fungal pathogens and Dr. Punja presented work his lab is doing on controlling root diseases with biocontrol fungi and focusing on the mechanisms of action. The workshop was held the next day and was targeted to consultants and growers who implement pest management and the format featured tutorials, discussions and demonstrations. Discussions focused on the process of how beneficial fungi are found, produced, registered and applied. Specimens of *Metarhizium* and *Beauveria* species and infected insects were displayed and participants got to "infect their own insect" to take home.

The next biocontrol seminar and workshop series "Viral and bacterial microbial pesticides in biocontrol and Registering microbial pesticides in Canada" will be held on January 17th and 18th, 2008 at Kwantlen University College. For more information visit <http://www.kwantlen.ca/ish/>.

Endnotes

Upcoming Events and Meetings in BC

- Western Forum on Pest Management
October 17-19, 2007, Penticton
http://www.westernforum.org/WFPM_meetings.htm
- Viral and Bacterial Microbial Pesticides in Biocontrol and Registering Microbial Pesticides in Canada
January 17-18, 2008, Langley
<http://www.kwantlen.ca/ish/events.html>
- Forum for the Invasive Plant Council of BC
January 22-23, 2008, Vancouver
<http://www.invasiveplantcouncilbc.ca>
- 15th Annual Structural Pest Management Association of BC Conference
February 2-3, 2008, Vancouver
http://www.pestcontrolcanada.com/associations/spma%20bc/spma_conference.htm#Agenda
- 50th Annual Horticulture Growers Short Course
February 14-16, 2008, Abbotsford
<http://www.agricultureshow.net>
- Professional Pest Management Assoc. of BC
February 22, 2008, Burnaby
<http://www.sfu.ca/~ppmabc/en/agms.html>
- Canadian Pest Management Assoc.
February 28 - March 1, 2008, Vancouver
<http://www.pestworldcanada.net/cpma/events/article.asp?EventID=156>

Electronic Publishing

Pesticulars is now an electronic publication. To ensure that you receive your copy, please send us an updated email address. Email addresses and mailing information (for ballots and voting information) can be sent to Nadene Sawyer (ppmabc@sfu.ca).

Website

Our new website address is www.sfu.ca/~ppmabc/. Check it out for information on our association, contact details, copies of *Pesticulars*, and upcoming events.
Webmaster: Alex Chubaty (achubaty@sfu.ca).

Pesticulars Submissions

We are always looking for pest management topics to publish. If you or know of others who have information to relay, exciting research to share, or upcoming events that you would like posted in one of our issues, please contact Alex Chubaty (achubaty@sfu.ca).