

canadian Greenhouse conference 13

October 9 & 10, 2013

Scotiabank Convention Centre, Niagara Falls
www.CanadianGreenhouseConference.com

PROGRAM PREVIEW

Collaboration and Technology,
Delivered with Imagination



Touched by Tech

Inspired by Nature

Driven by Need

WATER!

MIND YOUR BUSINESS
INFORMATION BUILDING BLOCKS

TREATMENT & NUTRIENT
MANAGEMENT OPTIONS

**EXTENSIVE GARDEN CENTRE
& MARKETING COVERAGE!**

PEST MANAGEMENT & PRODUCTION
WHAT'S NEW – WHAT WORKS

KEYNOTE SPEAKER



Dr. Saad Jasim
Keeping our Great Lakes Safe

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There's always something new at the Conference

By Lorne King



I would like to invite everyone to the 35th annual Canadian Greenhouse Conference on Oct. 9-10. There's every indication it will be a sold-out show! Take advantage of this fantastic opportunity to meet representatives from all facets of the industry.

It's an exciting time to be involved in horticulture as everything is rapidly changing.

Many new products have been introduced this year, and in particular a number of "biopesticides." Join our Thursday "Walk 'N Talk" session to learn the specifics direct from the suppliers.

And this is just a small part of our extensive speaker program, which also includes topics on pest ID, water management, marketing, labour management, and the latest research updates.

Lorne King is chair of the trade fair committee that organizes the Canadian Greenhouse Conference.

AN OVERNIGHT TRIP TO THE LEAMINGTON AREA

■ Certainly a highlight for the 2013 conference is a guided bus tour to the Leamington area. It has been a number of years since such an experience has been offered. Take advantage of this rare and invaluable opportunity to tour this unique area. As well, there will be a half-day flower tour in Niagara.

Come out and stay at our signature hotel, the Marriott Gateway, and join in the laughs with guest entertainment by Bob Gates – *Comedy in Motion* – on the night of Oct. 9.

The special events that we have hosted for the past number of years have been a great success. I expect this year to be no different. Please reserve your spot early since it will be available by advance registration only. It should be a night you will not forget and an opportunity to make some lasting connections with those you already know, and perhaps some you don't.

I would like to offer a special thank-you to the group of exceptional volunteers that have made this event possible.

Please go to our website at www.canadiangreenhouseconference.com for more information.

I am looking forward to a great conference.

WORKING BEHIND THE SCENES AT CGC

The Canadian Greenhouse Conference is successful year after year due to the dedicated volunteers quietly working behind the scene. Thank you to this year's trade fair committee.

- Dr. Theo Blom, University of Guelph.
- Wayne Brown, Ontario Ministry of Agriculture and Food (OMAF).
- Sandy Carlton, *executive chair*, Arcadian Daylilies.
- Mark Crandon, *Greenhouse Canada*.
- Rob Fluit, Jack Van Klaveren Ltd. (JVK).
- John Gardner, Durward Jones Barkwell & Co. LLP.
- Nikki Gomes, Flowers Canada (Ontario).
- Kathryn Goodish, Vineland Research & Innovation Centre.
- Dave Harrison, *Greenhouse Canada* magazine.
- Shalin Khosla, Ontario Ministry of Agriculture and Food (OMAF).
- Lorne King, *Trade Fair Committee Chair*, MGS Horticultural Inc.
- Dean Shoemaker, Flowers Canada (Ontario).
- Stephanie Smith.
- Rodger Tschanz, University of Guelph.
- Tim Vaandering, Myers Lawn & Garden Group.
- Allan Van Staaldin, Ball Horticultural.
- Leanne Wilson, Ontario Greenhouse Vegetable Growers.

Sustainable organic waste solutions

Food Waste Inc. is a Niagara Region-based company that you probably have not heard much about ... until now.

The company was created with the idea of addressing the growing challenge of organic waste. Food Waste Inc., through the Gaia Corps' 20-year proven technology, will provide sustainable organic waste solutions to clients, including those in the greenhouse sector.

Food Waste Inc. is a signature sponsor of this year's conference. It is sponsoring Wednesday's keynote address by Dr. Saad Jasim – "Keeping Our Great Lakes Safe."

The process takes waste materials and turns them into useful products, such as soil augmentation products, animal feed and vermicular operations (worm food). The material can also be mixed with wood waste to create fuel pellets.

Waste has evolved from just simply "throwing it out" to a much more planned approach and solution.

Food Waste Inc. has a very simple process, which begins with education. From there it arranges a site visit to assess a client's needs, an assessment of the material they generate, and the available options.

The disposal and other associated costs of handling waste materials can be a significant cost for businesses. Food Waste Inc. can use its Gaia dehydrators to provide an effective solution.

Food Waste Inc. says greenhouse waste material is very consistent, which may be turned into a feedstock for animals, as one possible use.

Aside from the obvious environmental benefits of this equip-

ment/technology, the company is also exploring the many manufacturing benefits as well. Where can it take a steady feedstock and turn it into a value added product?

When this process is utilized, the waste material in many cases becomes a money generator and not a disposal cost.

The carbon footprint and environmental impact of the client company is significantly shrunk and they can be on a path to improved sustainability.

"We look forward to meeting with you and getting to know



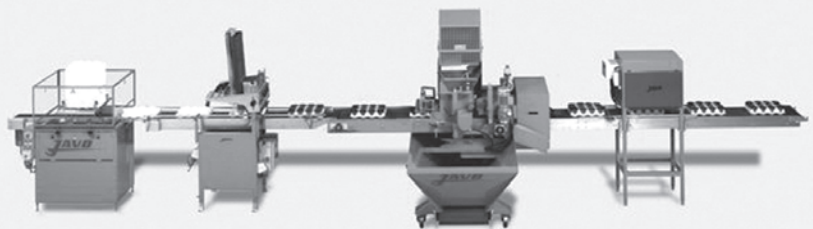
you and of being of service," says Jim Calagoure of Food Waste Inc. "These are changing times which require an open mindset and an action plan on behalf of the producer. We look forward to meeting with growers and exploring their options."

- www.foodwasteinc.com



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Protecting our Great Lakes

CGC's keynote speaker is one of the world's leading experts on water quality challenges and solutions

By Dave Harrison

Ontario's two major greenhouse regions – Niagara and Leamington/Kingsville – are situated alongside two of the Great Lakes (Erie and Ontario). Growers work hard to avoid any industry impact on these bodies of water.

“Keeping Our Great Lakes Safe” is the focus of this year's keynote address (Thursday, Oct. 10) at the Canadian Greenhouse Conference. Dr. Saad Jasim, one of North America's leading authorities on the subject, will be at the podium.

The keynote presentation is sponsored by Food Waste Inc.

Toxic and nuisance algal blooms are re-emerging as a significant threat to Lake Erie and near-shore areas of Lakes Huron, Ontario and Michigan. Many of the algae varieties threaten human and wildlife health and lead to degraded aquatic habit. Excessive algae also results in economic impacts by clogging water intakes, increasing water treatment costs, and disrupting fisheries, tourism and recreation.

The algae problem is complex, says Jasim, and the causes of the resurgence in algae growth are not fully understood.

We posed several questions as a preview to his keynote presentation.

How long have you worked on water management/treatment issues, and what prompted that interest?

■ I have worked for more than 20 years in water management, treatment and research. Water is a key component in human life. Civilizations started and developed around water sources.



Dr. Saad Jasim is no stranger to Canadian greenhouses.

Have you had much experience with greenhouse water management/treatment issues?

■ I have worked with the greenhouse industry since the early 2000s.

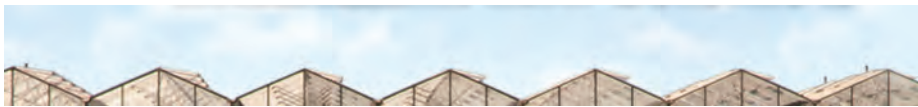
What role can greenhouse growers play in minimizing their impact on water quality in their regions?

■ The reduction of discharged water from the processes, which is nutrient rich, would reduce the potential of algal bloom. The use of Best Management Practices and advanced technologies would be a key factor to minimize such impacts on Great Lakes water quality.

What is the current state of water quality of the Great Lakes? Are things getting better, worse, or staying about the same?

■ In 2011, Lake Erie saw some of the largest algal blooms in recent history. The excess algae, due in part to phosphorus inputs to the lake, has been getting steadily worse in the last decade. It is so bad, in fact, that you can see the green stuff from space.

Phosphorus is a nutrient found in everything from fertilizers to sewage. In excess amounts, it can cause aquatic plants like algae to flourish, and close beaches to the public due to bacteria in the algae.



What consequences could result if water management practices don't change with respect to water quality in the Great Lakes?

■ Threats to the Great Lakes environment are numerous and increasingly diverse, including climate change, the widespread toxic contamination of surface and groundwater (chemicals of emerging concern, such as pharmaceuticals and endocrine disrupting compounds), habitat degradation, and invasions by alien species.

One of the driving forces behind these environmental changes is the advancing urbanization of the Great Lakes Basin.

Today, approximately 40 million people live in the basin, two-thirds of whom are settled in urban areas with populations larger than 250,000.

Although the urbanized areas of the basin occupy only three to four per cent of the total land surface, how and where these communities grow has enormous implications for the health of the basin and its residents.

In some Great Lakes cities, it is predicted that urban population may grow by 20 per cent or more over the next decade, with most growth occurring at the urban fringe. This means that the population of low-density suburban and rural areas around the Great Lakes is increasing, while the population in many higher density urban cores is shrinking.

The urban footprint is spreading and infrastructure to support it is weaving its way further out from city centres into what was formerly countryside.

What will be the focus of your presentation to the Canadian Greenhouse Conference?

■ The focus will be on addressing the challenges facing the Great Lakes, specifically regarding the algal bloom in Lake Erie and how Best Management Practices could play an important role in reducing impacts on the Great Lakes.

TEN REASONS NOT TO MISS THIS SHOW

By Carol Pupo

Here are my top 10 reasons for attending the 2013 conference.

- 10** A dynamic speaker program, two pre-conference bus tours, production basics courses, the 'Happy Hour' reception onsite and *The Gathering* at the host hotel featuring Bob Cates, internationally acclaimed comedian and juggler on Wednesday.
- 9** Flowers Canada Pest Management workshop, annual meeting and recognition banquet on Tuesday, Oct. 8.
- 8** Redesigned new varieties and new products displays.
- 7** Connect with colleagues – in a global world, your business doesn't operate in a bubble! Talk to old friends and make new ones and share industry challenges and solutions.
- 6** See, touch and interact with new technology and products.
- 5** Talk to the experts, as exhibitors and speakers are a great resource for your business. Bring your questions and get the answers.
- 4** Generate ideas with the information that you bring home about innovation.
- 3** Comparison shop, as all the players are here and eager for your business.
- 2** Gather information and collect business cards for that next purchase or expansion.
- 1** Return to work re-energized with new ideas and a sense of community!

Carol Pupo is executive coordinator of the Canadian Greenhouse Conference.

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Becoming a better manager

Investing in our supervisory/management skills is critical for the long-term success of the organization

By Dave Harrison

Labour is a key component of every successful greenhouse operation.

The CGC is hosting a key discussion on the topic on Thursday morning, featuring a number of expert presenters. Among them is Dr. Sara Mann, an associate professor at the University of Guelph.

Her current research focuses on the application of mainstream management theory to the agri-sector in rural Ontario.

The Ontario Agri-Food sector is becoming increasingly competitive due to global pressures, and as a result, organizations in this sector are more likely to focus on lowering obvious input costs, and often ignore the positive impact on profitability of using high performance Human Resource Management (HRM) practices.

Understanding the education needs of the sector and investing in the development of skills is of critical importance in order to remain competitive.

Mann will present her current research study examining skill and education needs in Ontario agri-food organizations and Ontario's farming operations.

She answered a series of questions we posed to her as a preview to her presentation.

Is labour management more difficult in agriculture than in other economic sectors, or do the same general principles apply?

■ The same general management

principles apply in agriculture as in other sectors. However, there are certain issues that are specific to the agriculture sector – the level of competitiveness, the focus on reducing labour costs, multicultural communication, having a much larger percentage of males employed, and a difficulty in attracting and retaining employees.

Several other industries face similar issues, but the agriculture sector is unique in that it faces all of them.

Convincing managers in the agriculture sector that investing time and money in their own supervisory skills and in team/communication skills for their employees is a particular challenge. This is likely because managers in the sector are often facing more pressing immediate challenges due to the seasonal nature of the business, time constraints and large investments in equipment and input materials.

However, research tells us that investing in our supervisory/management skills is critical for the long-term success of the organization.

As a greenhouse grower, how do you know you're a good labour manager?

■ A key recommendation for all managers is for them to encourage upwards feedback and solicit feedback from their employees.

It can be as simple as asking your employees: "Can you provide me with feedback on how effectively I supervise? Do you have any suggestions for how I could be a better

manager?"

Or it could be as complex as having three or more employees complete anonymous assessments of the supervisor's behaviours. There are several tools available on line. In order for this to be effective, there needs to be more than three employees completing the evaluation and it needs to be anonymous.

Also, it's critical that there is a culture of high procedural fairness, meaning that the employees feel that they can speak up and give recommendations without a fear of retribution, and that their suggestions matter and will actually be listened to.

What are some of the resources available to improve farm labour management skills?

■ I have recently developed a website, www.aghrmanagement.com, that provides some information videos for managers in the agri-food sector as well as an online tool to develop interview and performance appraisal questions.

Additional resources are available through CAHRC (the Canadian Agricultural Human Resource Council) and The Farm Management Canada.

Additional seminars and training are also available through AgCareers.com.

ABOUT THE SPEAKER

■ Dr. Sara Mann is an associate professor of Strategic Human Resource Management and Organizational Behaviour in the Department of Business at the University of Guelph.

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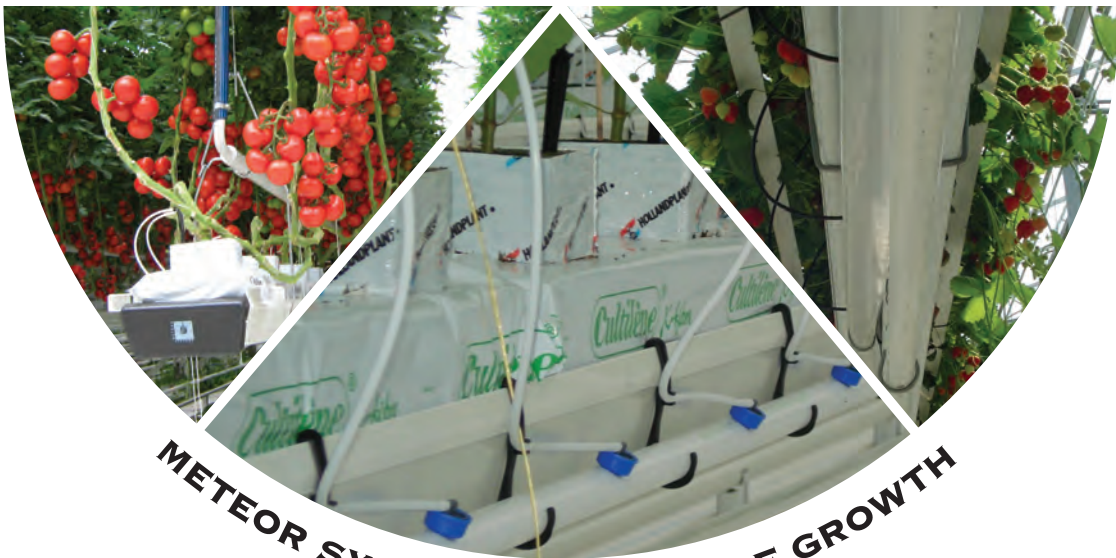
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The Gathering

By Glenna Cairnie

The Canadian Greenhouse Conference is proud to continue its new social tradition.

Held on Wednesday evening (Oct. 9), The Gathering offers a unique opportunity for guests, speakers and exhibitors to socialize in a fun, informal manner.

You won't want to miss the fun – and don't worry – there will still be time following the party to take advantage of the other fun and excitement Niagara Falls has to offer.

Bob Cates, Canada's favourite juggler, physical comedian and vaudevillian presents an unforgettable show. The highly interactive comedy act combines juggling, wild unicycling and frantic plate spinning to keep audiences on the edge of their seats.

Cates has been twice named Canada's "Best Entertainer of the Year" and is the recipient of numerous other industry awards. For more information, check out this website: www.kmprod.com/bob-cates, or view his promotional video on YouTube.

Here are the details:

Place: Marriott Gateway-on-the-Falls Grand Oakes Ballroom.

Time: Reception 6:15 p.m., dinner at 7:30 p.m.

A cash bar will be available.

Tickets (individual or tables of eight) are available by advance online purchase only at www.CanadianGreenhouseConference.com.

Glenna Cairnie is the marketing and events coordinator with the Canadian Greenhouse Conference.

REGISTER ONLINE TO SAVE TIME AND MONEY

Want to save time and money in preparing for this year's Canadian Greenhouse Conference? Pre-register on the CGC website (www.CanadianGreenhouseConference.com)! But don't delay; online registration closes Oct. 2. Take advantage of all the CGC has to offer with the full two-day registration package.

Full registration allows access to the trade show and speaker sessions – an excellent value! Some events/sessions require pre-registration; see the website for complete information.

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New tools for success

Conference themes of 'Touched by Tech, Inspired by Nature' and 'Driven by Need' reflected in sessions

By Glenna Cairnie

T*ouched by Tech* ... Would our forefathers even recognize today's high-tech operations? Not just for the largest of businesses anymore, today's greenhouses depend on technology to monitor, implement and economize daily processes.

Talk to the experts on the trade show floor. See and interact with the newest technology and products.

You can't afford to be left behind – the Canadian Greenhouse Conference is the place to have your questions answered.

Inspired by Nature ... The greenhouse industry is by name and nature a *green industry*. Advances in pest control and water management are stimulated by the original growing environment – *the Earth!*

New flower varieties and colour trends bring the best that nature has to offer into the homes of consumers making their world a more beautiful place. Genetic advances in the vegetable sector increase yields and nutrition making healthy diets available and affordable to all.

Driven by Need ... There is no time to be resting on our laurels. The markets change quickly and Canadian growers need to be equipped to react and prosper in good times and challenging times.

The CGC is a great place to make contacts, acquire ideas and become motivated to make the necessary improvements in your business.

On the ninth of October, it will welcome thousands of growers,

garden centre owners, students, scientists, exhibitors and industry delegates to the Scotiabank Convention Centre in Niagara Falls for two days of comprehensive programming and networking.

For 35 years, the conference has been instrumental in keeping all sector stakeholders informed and connected.

The 2013 event continues the tradition by bringing together an impressive list of speakers covering relevant issues pertinent to all flower and vegetable growers. Experts from across Canada, the U.S. and abroad will share their experience and knowledge.

HAVE CROP CHALLENGES? TRADE SHOW HAS ANSWERS

■ The 83,000-square-foot trade show is filled to capacity with vendors vying for your business.

Pre-conference bus tours, the CGC Happy Hour, a fun-filled evening at *The Gathering*, a chance to win one of two iPads, and the excitement of Niagara Falls – all this comes together Oct. 9 and 10.

Take the time to come out from your offices and greenhouses to interact with colleagues and learn something new. You will return to work energized and motivated by what you have seen and heard.

KEYNOTE: WHAT ARE WE DOING WITH WATER IN THE GREAT LAKES?

■ Keynote speaker **Dr. Saad Jasim** was the founding CEO of the Walkerton Clean Water Centre and played a major role in establishing the Centre to make it a leader

in the drinking water industry for training, education and research.

Jasim will use his years of experience and industry partnerships to unpack the complex challenges facing the Great Lakes water system. Government regulations created to manage our valuable water supply affect all growers, and understanding the issues is vital.

WORKSHOPS

■ Following the success of last year's workshops, this year's program includes two opportunities for hands-on training allowing growers and staff to refresh their knowledge regarding pests and disease diagnostics.

The *Workshop on Aphid Identification* led by **Olga Piedrahita** of Niagara College, and the *Plant Disease Diagnostic Clinic* featuring **Margery Daughtrey** from Cornell University and **Shannon Shan** from the University of Guelph both require advance registration as seats are limited.

A small fee is charged to cover the cost of materials. The workshops were sold out last year.

WATER

■ The issue of water and nutrient management is front and centre this year with three sessions over the two days.

Chris Blok of Wageningen University in the Netherlands brings his expertise on both Wednesday and Thursday. Blok is joined by **Dr. Zamir Punja** from Simon Fraser University and **Jean-Pierre Fortin** of Fafard et Freres on Wednesday

morning for an informative session on root systems and water and nutrient management.

The water program continues in the afternoon with OMAF/MRA specialists **Deanna Nemeth** and **Dan McDonald** focusing on regulatory aspects and water treatment options are addressed from three distinct perspectives: research, grower and industry. The final session on Thursday morning will be a more informal workshop allowing time for audience interaction as **Chris Blok** speaks on nutrient management followed by presentations from Savery Canada, H2OZ and AMEC.

PRODUCTION

■ Production topics will be covered by well-known industry professionals.

Mike Fernandez of Danziger travels 30 weeks a year in the course of his job and the CGC is most appreciative that he has set some time aside to speak at our event.

CGC favourite **Melhem Sawaya** is back bringing his vast experience to attendees.

Perennial growers should not miss Virginia Tech's **Joyce Latimer**, and **Jeremy Windemuller** from Walters Gardens in their Wednesday afternoon session.

PEST MANAGEMENT

■ Always a hot topic, pest management coverage will be broad.

The half-day pre-conference bus tour will have a biocontrol focus, two full program sessions and several research reports will tackle the issue.

Enjoy **Colleen Warfield** from Ball Horticultural in Chicago as she updates us regarding downy mildew and then later engages her audience with a slide show game of "Have you seen this?"

California Floriculture Hall of Fame member **Michael Parrella**

will speak on Wednesday afternoon.

OMAF/MRA specialist **Graeme Murphy** and Vineland Research & Innovation Centre's **Dr. Rose Buitenhuis** round out the program with industry insight.

MARKETING

■ Would you like to break into the Big Box market? Or are they your competitor?

The CGC welcomes **Peter Chapman** of GPS Business Solutions in Nova Scotia to this year's event. You may recognize his name, as in addition to being a well-known Canadian speaker, he has appeared lately as a columnist for *The Grower*.

Chapman worked for Canada's largest food retailer, Loblaws, for 19 years holding positions in various departments including merchandising, marketing and advertising. His in-depth knowledge of every level of major retailer decision-making is invaluable to those who want to sell to those stores or compete with them.

On Wednesday afternoon, Chapman speaks from the perspective of those wanting to sell to these big box stores and on Thursday morning he turns it around to offer solid advice to those who have to compete with the large retailers.

GARDEN CENTRES

■ For our friends with retail businesses, a powerhouse lineup representing Canada's top garden centres are on hand to help you bring customers through your doors.

Greenland Garden Centre in Sherwood Park, Alberta, was voted Canada's best garden centre in 2010. Co-owner **Deb Sirman** brings her knowledge and enthusiasm for customer service to the CGC.

Will workshops work for your business? Find out how three of Canada's busiest garden centres organize and implement their workshop strategies.

Lisa Lautenbach from the Watering Can Flower Market and **Victoria Whitney** of Griffin's Greenhouses and Garden Centre in Peterborough are joined by **Deb Sirman** for this session.

In a third session, **Laura Martindale** of Seacliff Farms, **Linda Cozyn** from Cozyn's Garden Gallery in Stratford, Ontario, and **Melhem Sawaya** review the 2013 season and look forward to 2014 with solid advice for growing and marketing mixed containers. This is an excellent opportunity to learn from this knowledgeable and successful group.

LABOUR

■ With 30 to 50 per cent of the cost of production in the greenhouse industry related to labour, it is vital to pay attention to this cost centre. The employer creates the workplace environment. Best Management Practices on planning the environment and defining the characteristics of a good supervisor will be discussed with University of Guelph's **Dr. Sara Mann**.

Provincial regulations change often and ignorance is no excuse when an inspector comes to your property. Ensure you have the most up-to-date information in regards to Ontario's labour and safety laws. **Ken Linington of Flowers Canada Ontario**, along with **Chris Boccinfuso** from Ontario's Ministry of Labour will help employers navigate through the complex legislation, focus on what is pertinent to their business and understand their obligations.

MIND YOUR BUSINESS

■ Are you taking advantage of

Continued on page 65

Wednesday October 9

	BALLROOM A	BALLROOM B	BALLROOM D
	REGISTRATION OPENS 8:00 AM		TRADE SHOW HOURS 8:30 AM - 6:00 PM
9:30 - 11:00 am	WORKSHOP Aphids – Who’s Who in Your Greenhouse? <i>Olga Piedrahita, Niagara College, Niagara-on-the-Lake, ON</i> Attendance is limited	VEGETABLES Root Systems Minimal Discharge & Zero Discharge in Greenhouse Vegetable Production (Part 1) <i>Chris Blok, Wageningen University, The Netherlands</i> Microbial Products for Disease Management <i>Zamir Punja, Simon Fraser University, Burnaby BC</i> Unlocking the Potential of Growing Mixes <i>Jean-Pierre Fortin, Fafard et Freres, QC</i>	PRODUCTION Vegetative Cutting Production <i>Mike Fernandez, Danziger Nursery, Wyoming, MI</i> Effective use of Ethrel (Florel) <i>Mel Sawaya, Focus Greenhouse Management, Simcoe, ON</i>
11:00 - 2:00 pm	LUNCH AVAILABLE IN THE EXHIBIT HALL		
2:00 - 3:30 pm	PLANT DISEASE DIAGNOSTIC CLINIC In House Diagnostics and Outsourcing: Pros & Cons <i>Margery Daughtrey, Cornell University, Long Island, NY</i> Plant Disease Diagnostic Workshop <i>Shannon Shan and Melody Melzer, University of Guelph</i> <i>Francisco Assis Filho, Agdia</i> <i>Kimberly Chapman, Neogen Corp.</i> \$10 fee and Pre-Registration required Attendance is limited	WATER 1 Nutrient Management Land Application <i>Deanna Nemeth, OMAF/MRA</i> <i>Dan McDonald, OMAF/MRA</i> Innovative Water Treatment Options You Can’t Afford to Ignore <i>Ann Huber, SRG, Guelph, ON</i> Constructed Wetlands: Treatment and Reuse of Greenhouse Irrigation Leachate Water <i>Lloyd Rozema, Aqua Treatment Technologies, Grimsby, ON</i> Our Experience with Wetland Filtration Systems <i>Jack van der Kooy, Ontario Plants Propagation Ltd., St. Thomas, ON</i>	PEST MANAGEMENT 1 Greenhouse Pest Control: A Systems Approach <i>Rose Buitenhuis, Vineland Research & Innovation Centre</i> Impatiens Downy Mildew Update <i>Colleen Warfield, Ball Horticultural, Chicago IL</i> TBD <i>Mike Parrella, University of California-Davis</i>
3:30 - 4:30 pm	PERENNIALS How to Grow and Overwinter Finished Perennials Profitably and Efficiently <i>Jeremy Windemuller, Walters Gardens, Zeeland, MI</i> Growth Regulator Recommendations for Selected Herbaceous Perennials <i>Joyce Latimer, Virginia Tech, VA</i>	MARKETING 1 Get Your Products in the Shopping Carts of the Big Retailers <i>Peter Chapman, GPS Business Solutions, NS</i>	PEST MANAGEMENT 2 Have you seen this? (or Hope You Don’t) <i>Colleen Warfield, Ball Horticultural, Chicago, IL</i> Invasive Species - Threats to the Greenhouse Ornamental Industry - <i>Graeme Murphy, OMAF/MRA, Vineland, ON</i>

Thursday October 10

	BALLROOM A	BALLROOM B	BALLROOM D	BALLROOM C
	REGISTRATION OPENS 8:00 AM		TRADE SHOW HOURS 8:30 AM - 4:00 PM	
9:30 - 11:00 am	<p>LABOUR 1</p> <p>Supervision For All Seasons <i>Ken Lington, Flowers Canada (Ontario), Guelph, ON</i></p> <p>Education Needs & Skills Development in Ontario's Agri-Food System <i>Sara Mann, University of Guelph, ON</i></p>	<p>VEGETABLES</p> <p>Water 2 (Workshop)</p> <p>The Water Story <i>Shalin Khosla, OMAF/MRA, Harrow, ON</i></p> <p>Minimal Discharge & Zero Discharge in Greenhouse Vegetable Production (Part 2) <i>Chris Blok, Wageningen University, The Netherlands</i></p>	<p>GARDEN CENTRES 1</p> <p>Marketing</p> <p>Three Things the Big Box Retailers Hope You Never Do <i>Peter Chapman, GPS Business Solutions, NS</i></p> <p>Customers - How to attract them and keep them coming back! <i>Deborah Sirman, Greenland Garden Centre, Sherwood Park, AB</i></p>	
11:15 am - 12:15 pm	<p>LABOUR 2</p> <p>Legislative Obligations 1 An Overview of Ministry of Labour's Involvement in Agriculture <i>Chris Boccinfuso, Ontario Ministry of Labour, Hamilton, ON</i></p> <p>Legislative Obligations 2 <i>Ken Lington, Flowers Canada (Ontario), Guelph, ON</i></p>	<p>R2 Technology for Nutrient Treatment of Greenhouse Waters <i>Tim Rempel, Savery Canada</i></p> <p>Radial Deionization (RDI) and the High Recovery of Greenhouse Leach <i>Orest Zacerkowny, H₂OZ Reuse Solutions</i></p> <p>Treatment of Recycled Leach Water for Limiter Removal Using Capacitive Deionization <i>Richard St. Jean, AMEC Environmental & Infrastructure</i></p>	<p>GARDEN CENTRES 2</p> <p>"Making Workshops Work" Why Workshops? <i>Deborah Sirman, Greenland Garden Centre, AB</i></p> <p>Logistics & Planning <i>Lisa Lautenbach, The Watering Can, Flower Market, Vineland, ON</i></p> <p>It's About the People <i>Victoria Whitney, Griffins Greenhouses & Garden Centre, Peterborough, ON</i></p>	<p>WALK 'N TALK 1</p> <p>Innovation in Pest Management</p> <p><i>Host: Graeme Murphy, OMAF/MRA</i></p> <p>Group tour with exhibitor presentations followed by discussion.</p>
12:30 - 1:00 pm	<p>KEYNOTE SPEAKER - DR. SAAD JASIM, SJ ENVIRONMENTAL CONSULTANTS (WINDSOR) INC. "KEEPING OUR GREAT LAKES SAFE" SPONSORED BY FOOD WASTE INC.</p>			
1:00 - 2:00 pm	<p>LUNCH AVAILABLE IN THE EXHIBIT HALL</p>			
2:00 - 3:30 pm	<p>RESEARCH UPDATES</p> <p>Advances in the Biological Control of Thrips - Integrated use of soil-dwelling predators and microbial biocontrol agents <i>Taro Saito, Vineland Research & Innovation Centre</i></p> <p>A Simple & Economical Way for Producing Blue Hydrangeas Using Subirrigation <i>Kenny So, University of Guelph</i></p> <p>Public & Growers Perception of Pest Management Practices <i>Rose Buitenhuis, Vineland Research & Innovation Centre</i></p> <p>Sterile Serpentine Leafminer Program - Mostly Men at Work <i>Maryam Sultan, University of Guelph</i></p> <p>BMP Verification Project - Characterization of subsurface drainage water in floriculture production <i>Jeanine West, Flowers Canada (Ontario)</i></p> <p>To Dip or Not to DiP, That is the Question: Immersion Treatments for Whitefly Control on Poinsettia Cuttings <i>Angela Brommit, Vineland Research & Innovation Centre</i></p>	<p>MIND YOUR BUSINESS</p> <p>Succession Planning for Family Enterprises <i>Paul Stringer, Durward Jones Barkwell & Company LLP Chartered Accountants, Grimsby, ON</i></p> <p>Growing Forward 2 - Real Opportunities to Help Farmers Reach Their Goals <i>Carl Fletcher, OMAFRA Business Development, Guelph, ON</i></p> <p>Business Management - The Story of 5 Farmers <i>Ryan Keoslag, Agricultural Management Institute, Guelph, ON</i></p>	<p>GARDEN CENTRES 3</p> <p>Looking Back & Moving Forward</p> <p>TBD <i>Laura Martindale, Seacliff Farms, Leamington, ON</i></p> <p>Pot??? Ohhh Pots! <i>Linda Cozyn, Cozyn's Garden Gallery, Stratford, ON</i></p> <p>Container Gardens - Pretty and Profitable <i>Mel Sawaya, Focus Greenhouse Management, Simcoe, ON</i></p>	<p>WALK 'N TALK 2</p> <p>Water/Irrigation</p> <p><i>Host: Shalin Khosla OMAF/MRA, Harrow, ON</i></p> <p>Group tour with exhibitor presentations followed by discussion.</p>

Book early for bus trips

Two to choose from, including an extended trip to Leamington

By Glenna Cairnie

The annual (and popular) bus tours of the Canadian Greenhouse Conference are back and with two options for 2013.

Participants have a choice of a multi-day tour in the Leamington area with a focus on vegetable operations, or a half-day tour in the Niagara area showcasing the biocontrol approaches of three well-known businesses.

Don't miss your opportunity to see first-hand what is new and innovative in the "519" and "905" area codes!



The latest technologies will be viewed during the Leamington tour.



Sponsored by SGS Agrifood Laboratories, the two-day bus tour heads for Canada's "South Coast" to tour some of Canada's largest vegetable growing operations.

Observe high-tech greenhouse facilities (glass and double poly) equipped with modern packing lines and nutrient solution recycling systems.

The stops will include tomato, cucumber and pepper operations and provide opportunities to discuss production practices and issues with operation managers and your peers.

A stop at the Greenhouse and Processing Crops Research Centre in Harrow rounds out the day.

The tour will leave from the Marriott Gateway-on-the-Falls hotel in Niagara Falls on Monday afternoon, Oct. 7, with an over-



Cucumeris sachets at Schenck Farms and Greenhouses.

night stay in Windsor.

After a hearty breakfast, the group will begin their tour of the Leamington area. There is an option for local participants to meet at the Windsor hotel to join the group for the day. The bus returns to Niagara Falls in the early evening of Tuesday, Oct. 8.



In Niagara, bus tour participants will be treated to three site visits, each with different approaches and experiences in their pest management programs.

Leaving from the Marriott Gate-

way-on-the-Falls hotel, the half-day tour, sponsored by Damatex Control Systems, will travel to the Lincoln area stopping at Schenck Farms and Greenhouses, Frisia Flora Greenhouses and Boekestyn Greenhouses.

The tour ends at noon which will be in time for participants to also



Banker plants at Boekestyn Greenhouses.



Grower Sietse Elsinga launched Frisia Flora in 2000.

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attend the Flowers Canada Pest Management Conference held at the Scotiabank Convention Centre should they wish to do so. As an added feature, Margery Daughtrey from Cornell University, who is scheduled to speak at both the Flowers Canada conference and the Canadian Greenhouse Conference, will add her expertise to this tour program.

Schenck Farms and Greenhouses, located in St. Catharines, is a fourth generation fruit farm and wholesale greenhouse operation. A variety of flower products, including begonias, kalanchoes, chrysanthemums, gerberas and bedding plants, are grown in more than 200,000 square feet of covered space and distributed across North America.

The operation takes a multi-pronged approach to pest management, tailoring their use of biocontrols specifically to each crop.

Boekestyn Greenhouses has been using biological pest management for almost 10 years. The Jordan operation, run by brothers John and Ed, was started by their father, Ysbrand, and has seen significant expansion over the years. Within 240,000 square feet of space, potted mums and kalanchoes are grown and shipped weekly and seasonal crops such as Easter lilies and spring annuals are also produced.

Boekestyn products are shipped throughout the United States through its sister company, Flora Pack.

Sietse Elsinga emigrated from Holland in the early 1990s. In 2000, he began his own operation, Frisia Flora, in Beamsville. Now with 30,000 square feet of covered space, he grows potted mandevilla and lavender for the Canadian and U.S. markets. Elsinga has used banker plants for five years with "various results."

"Various results"? An honest comment and most appropriate as no grower can claim to have all the answers to water issues or pest control. However, the goal of the CGC bus tours is to promote collaboration and share information for the



Schenck Farms and Greenhouses is a fourth generation fruit farm and wholesale greenhouse operation in St. Catharines.



John Boekestyn, of Boekestyn Greenhouses in Jordan, Ont.

good of the industry. These tours play an important role in bringing stakeholders together to educate, create relationships and build a stronger sector.

The Canadian Greenhouse Conference extends its gratitude to the owners and managers of the 2013 host sites. Your willingness to open your doors and share your experiences is very much appreciated.

The cost for the Leamington tour is \$230 – \$275 depending, on single or double hotel occupancy. Monday night hotel stay, Tuesday breakfast,

lunch and coffee breaks are included in the price. There is a local option available for those who live in the Leamington area (\$145). The half-day Niagara tour is \$75.

To register, go on line at www.CanadianGreenhouseConference.com. Pre-registration is mandatory and you are encouraged to do so as soon as possible as seating is limited. The CGC web site has complete information and the updated itinerary.

Glenna Cairnie is the marketing and events coordinator with the Canadian Greenhouse Conference.

Continued from page 59

everything that government funding programs have to offer? **Carl Fletcher** of OMAF/MRA and **Ryan Koeslag** from the Agricultural Management Institute in Guelph share information and examples of Ontario growers who accessed funding and improved their operations by thinking outside the box. This session may spark the idea that sets your business on a new path. Proper planning and structure is the key to a smooth transition within family enterprises.

Paul Stringer of DJB Chartered Accountants examines the Three-Circle Model of Family Enterprises.

RESEARCH UPDATES

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■ One of our most popular sessions, Thursday afternoon's research updates features six concise, informative presentations from the researchers themselves. This session is sponsored by the Vineland Research & Innovation Centre.

WALK 'N TALK

■ Two *Walk 'n Talk* sessions offer attendees an opportunity to meet with select exhibitors with follow-up discussions facilitated by hosts **Shalin Khosla** and **Graeme Murphy**. It is a unique way to interact with industry and colleagues.

The topics include *Innovation in Pest Management* (Thursday morning) and *Water/Irrigation* (Thursday afternoon).

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Conference and provide crucial financial support. Please take note of these industry leaders and support them with your business.

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able resource. Online registration is quick, easy and secure. Consult the website www.CanadianGreenhouseConference.com for complete details and show updates.

Glenna Cairnie is the marketing and events coordinator with the Canadian Greenhouse Conference.

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Francisco Assis Filho

received his B.Sc. in Agronomy and M.Sc. in Plant Protection in Brazil and PhD in Plant Pathology

in 1999 from Oklahoma State University. His areas of interest include plant virology, seed pathology, disease diagnosis, virus-vector interactions, virus indexing, and regulatory plant pathology. He has over 18 years of experience working in his native Brazil as a researcher and extension specialist. After four years of post-doctoral research on TSWV-thrips interaction at the University of Georgia, he joined the agricultural diagnostic company Agdia, Inc. in 2003. He serves as Agdia's senior plant pathologist, co-ordinating the vegetable/seed health program along with the fruit tree program.



Chris Blok, M.Sc., is a soil scientist with expertise in fertility and mineralogy and project manager of Rooting Media and Plant Nutrition with Wageningen UR

Greenhouse Horticulture. With 10 years experience as a research engineer for Rockwool Grodan, three years experience as propagation specialist for seed sown plants and cuttings at Beekenkamp Propagators, and over 10 years experience in research on rooting of vegetable and ornamental crops, Blok has managed projects on composting, mushroom compost, water quality and nutrient re-use in the Netherlands, Europe and further abroad. He is head of a rooting media laboratory, member of the European Normation of rooting media (CEN), member of the certifica-

tion of rooting media products (KIWA) and convener of GroSci2013 (symposium on Rooting Media and Soilless Culture).

Chris Boccinfuso is a regional program co-ordinator with the Ontario Ministry of Labour for the Hamilton East and Niagara offices. As RPC, Boccinfuso is responsible for providing technical expertise to field inspectors and to clients. He undertakes Quality Assurance functions regarding an inspector's work. He joined the MoL in 2004 as a health and safety inspector. Prior to working for the Ontario Public Service, he held positions in both industry and retail as a human resources manager. He graduated from Royal Roads Military College with a degree in Military and Strategic Studies. Chris lives in Niagara Falls with his wife Jody and children, Milo and Maya, and their five cats. In his spare time, he coaches his daughter's soccer team, drives his son to various acting engagements, and shops for a lot of lint brushes.



Angela Brommit is the senior research technician in the Biological Control Lab at Vineland Research and Innovation Centre in

Ontario. She manages research projects and the day-to-day operation of the lab. Angela's areas of expertise include biological control and integrated pest management of insect and mite pests. All research projects aim to improve the efficacy and economics of biological control of several pests in greenhouse ornamental crops, such as thrips, aphids and whiteflies using predators, parasit-

oids, trap or banker plants, and the behaviour of the pest and the biological control agents. In addition, she works on management of spotted wing drosophila in berries. Brommit obtained her bachelor's degree in biology at Carleton University in Ottawa, and her master's degree in biology from the University of Windsor.



Dr. Rose Buitenhuis

works as a research scientist in biological control at the Vineland Research and Innovation

Centre. She is responsible for the development and implementation of bioprotection technologies for arthropod pests, supporting sustainable crop management practices for ornamental and production horticulture. Her areas of expertise include biological control and integrated pest management of insect and mite pests, i.e., using predators, parasitoids, entomopathogenic nematodes, trap plants or banker plants, along with insect ecology and behaviour. Current projects are undertaken to improve the efficacy and economics of biological control of western flower thrips and aphids in greenhouse ornamental crops, black vine weevil in nursery crops and spotted wing drosophila in berries through the development of new tools, better recommendations and knowledge transfer. Buitenhuis obtained her bachelor's and master's degrees in biology from the University of Leiden in the Netherlands, and then moved to Canada to pursue her PhD in entomology at Laval University. As a post-doctoral fellow at AAFC in Harrow



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and at the University of Guelph, she developed several IPM strategies for the control of western flower thrips.

Kimberly Chapman is currently the agronomic account manager for phyto-diagnostics with Neogen Corporation. She is responsible for the sales and promotion of Neogen's phytodiagnos-tics product line in North, Central and South America. This group of products offers testing solutions for the detection of more than 200 different viral, bacterial and fungal plant pathogens. Chapman holds a bachelor of science degree in horticulture production and marketing from Purdue University, as well as a master's of science degree in plant pathology from Purdue University.



Peter Chapman worked for Canada's largest food retailer, Loblaws, for 19 years, holding positions in various departments including merchandising, marketing and advertising prior to establishing his own business, GPS Business Solutions. Chapman understands how large retailers make decisions. An indepth knowledge of every level of decision making with the major retailers is invaluable to those who want to sell to those stores or compete with them. Chapman speaks to audiences of producers, processors, industry associations, store managers and retailers and has helped all of these groups navigate through their business challenges. His company provides services to producers and manufacturers who want to increase their sales to large and centrally structured retailers or specialty retailers. Benefit from this valuable insight as Peter helps you understand your customers and how to sell more products to them.



Linda Cozyn is president of Cozyn's Garden Gallery in Stratford, Ont., which is celebrating 30 years in business. Cozyn's Garden Gallery has been a family-

owned and operated greenhouse and retail business since 1984. With over 10,000 square feet of greenhouse space, Cozyn's grows nearly all its own greenhouse products, from annuals and houseplants, to hanging baskets and planters. There is also an extensive nursery with small fruits and fruit trees, evergreens, ornamental and shade trees, as well as shrubs, roses, vines, grasses and perennials. The retail store sells giftware for every season and the centre is well known for its workshops and Christmas displays. Cozyn is thrilled that her children are interested in continuing the family business.



Margery Daughtrey is a senior extension associate with the Department of Plant Pathology and Plant-Microbe Biology of Cornell University. She has conducted a research and extension program on the management of diseases of ornamental plants since 1978 at Cornell's Long Island Horticultural Research and Extension Center in Riverhead, N.Y. She educates growers on management of greenhouse and nursery crop diseases, runs a diagnostic laboratory and investigates controls for problems such as powdery mildew, downy mildew, and pythium and phytophthora root rot. Daughtrey holds a B.S. degree in biology from the College of William and Mary and an M.S. in plant pathology from the University of Massachusetts. She was named a Fellow of the American Phytopathological Society in 2012. Daughtrey is coauthor of several books, including *Diseases of Herbaceous Perennials*, published in 2009 by APS.



Mike Fernandez has spent more than 25 years in the industry and his experience spans retail, woody ornamentals, perennials, annuals and vegetative propagation. He now works with Danziger, a major breeder of annuals, perennials and cut flowers, and with Headstart Nursery, a vegetable transplant grower located in Gilroy, Califor-

nia. Fernandez also recently became a partner in Oro Farms, a URC stock producer in Guatemala. A grower by trade and a specialist in vegetative propagation and liner production, his experience also includes finishing all major crops in large scale production for independents and big box stores. He travels more than 30 weeks a year to provide technical support to Danziger customers.



Carl Fletcher has had the pleasure of working alongside Ontario farmers for 33 years helping them achieve their production and farm management goals. As strategic business planning program lead with OMAF/MRA, Fletcher's recent work includes roles as lead developer of both the *Growing Your Farm Profits* and *Exploring Value Added Opportunities* workshops.



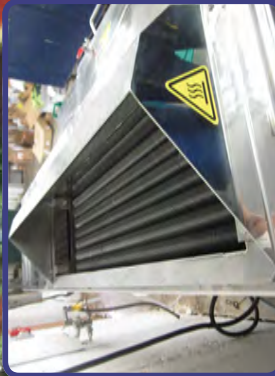
Jean-Pierre Fortin is the R&D and quality assurance manager for Fafard et Freres Ltee. He holds B.Sc. and M.Sc. degrees in plant science, horticultural production, from McGill University. He has worked at Fafard since 1990, and prior to that held positions with AAFC and Monsanto.



Ann Huber has over 30 years of experience in environmental and agricultural research and consulting, and has been with SRG for over 10 years. Since 2008, she has been the lead researcher on projects relating to horticulture process water treatment and best management practices under a range of programs including OMAFRA New Directions, Water Resource Adaptation and Management Initiative (WRAMI), Showcasing Water Innovations Program (SWIP), Agriculture Biosecurity Program, and the TOGA-OMAFRA Great Lakes (COA) BMP project. Huber is also project lead on research projects for on-farm risk management of

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KEYNOTE SPEAKER



Dr. Saad Jasim, P.Eng., received his B.Sc. in chemical engineering from Baghdad University, and his M.Sc. and PhD in chemical engineering from the University of Wales.

His keynote presentation is being sponsored by Food Waste Inc.

He is president of SJ Environmental Consultants (Windsor) Inc., which he established in 1993. During the Walkerton Inquiry in 2000, he represented that company as a technical expert.

Jasim served as the director of the Great Lakes Regional Office-International Joint Commission where he directed the operation of the scientific and technical programs and initiated strategic partnerships and alliances with the universities and other stakeholders in the water industry to work on emerging issues related to water quality. He was the founding CEO of the Walkerton Clean Water Centre where he played a major role in establishing the Centre as a leader in the drinking water industry for training, education and research.

As director of water quality and production for the Windsor Utilities Commission he proposed, and successfully implemented, ozone for drinking water treatment in this Ontario city.

In 2004, Jasim worked with the greenhouse industry to install an ozone water treatment system that helped a greenhouse recycle more than 25,000 gallons a day from being discharged into Lake Erie.

He has received many awards for his work, including the Harvey Rosen Award from *Ozone Science & Engineering* for the best paper published for 2009-2010; the 2008 Emerald Award from the Ontario Ministry of the Environment; the 2004 Engineer of the Year Award from the Professional Engineers of Ontario; and the 1998 Business

Professional of the Year award from the Windsor & District Chamber of Commerce.

Jasim is an adjunct research professor at the University of Western Ontario and adjunct professor at the University of Windsor. He is also past-president of the International Ozone Association-Pan American Group (IOA-PAG), and past-president of the Ontario Water Works Association (OWWA) section of AWWA.



Shalin Khosla is the greenhouse vegetable specialist working with OMAFRA in Harrow. He is a graduate of the

University of Guelph with a M.Sc. in horticulture, with plant nutrition as his key area of focus. He has worked with the greenhouse vegetable sector since 1981, the first 10 years with the University of Guelph, before joining OMAFRA in 1991. Khosla has been instrumental in helping the greenhouse vegetable sector change from soil production systems to hydroponic production. He has worked with growers on all aspects of greenhouse production, with an emphasis on improving efficiencies through improved greenhouse climate management, rootzone management, water management, recycling nutrient solutions and nutrient solution disinfection systems, and energy issues.



Ryan Koeslag has worked with the Agricultural Management Institute for eight years, the last four as executive director. He

studied agribusiness at the University of Guelph and Olds College in Alberta. He recently purchased a farm in Wellington County with plans to grow cash crops.



Dr. Joyce G. Latimer's positions at Virginia Tech department of horticulture include extension project leader, professor

and extension specialist for greenhouse crops. She facilitates communications between agents and horticulture faculty,

in-service agent trainings, and VCE publication submissions and review. Latimer also assists local VCE agents in solving grower problems and develops educational programming for commercial greenhouse operators. Since 1990, her research focus has been growth regulation of herbaceous perennials grown under greenhouse and nursery conditions. She also serves as educational advisor for the Virginia Flower Growers Association. In addition to receiving many awards honouring her work, she holds the following degrees: BS, horticulture, Virginia Tech, M.S., and PhD, horticulture, Purdue University.



Lisa Lautenbach is president of The Watering Can Flower Market in Vineland, Ont. The 48,000-square-foot family

owned and operated European-style facility includes a floral design studio, garden centre and greenhouses. The Watering Can is one of Canada's largest providers of floral workshops and events, hosting over 200 workshops each year for groups of all sizes.



Ken Linington's time is split between being the policy advisor for the Labour Issues Coordinating Committee and the

human resources director for Flowers Canada (Ontario). The policy advisor role focuses on industry friendly regulations. As an industry liaison with the province, topics such as employment standards, health and safety, workplace safety and insurance, employer-employee relations, and human rights are covered. As an industry liaison with the federal government, items such as payroll, employment insurance, CPP, and temporary foreign workers are covered. The HR director role is more operational and he helps growers implement labour regulations and develop best management practices. Linington worked for OMAFRA as a policy advisor for 10 years and in a technology transfer role as an agricultural representative in

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Dr. Sara Mann is an associate professor of strategic human resource management and organizational behaviour

in the Department of Business at the University of Guelph. She completed her MBA from McMaster University, and a PhD in management at the Rotman School of Management at the University of Toronto. She has delivered several leadership/supervisory training programs for the Ontario Agri-Business Association, Sylvite, Southwest Ag, Waterloo Police, Toronto Police Service, and Thompsons Limited. She has also taught as part of the C-Team Alumni program with the George Morris Centre and the Advanced Agricultural Leadership Program with the Rural Ontario Institute. Her research is primarily within the agri-food sector and examines HRM issues specific to the sector, as well as employment issues in rural areas.

Laura Martindale of Seaclyff Farms in Leamington, Ont. – information not available at press time.



Dan McDonald, P.Eng., is a graduate of Western University and later completed the Lean Management and

Manufacturing Certification Program at the University of Kentucky. After 12 years in the private sector, he joined the Ontario Public Service in 2010 and has held a number of positions in the Environmental Management Branch with OMAF/MRA. Since May 2012, he has helped lead several greenhouse technical and procedural initiatives that are helping the sector move forward.



Graeme Murphy, has worked as the greenhouse floriculture IPM specialist with the Ontario Ministry of Agriculture and Food

since 1988. In that time he has worked closely with the industry generally on pest management issues and with individual growers in developing IPM programs with an emphasis on biological control. He has written widely in grower trade publications in Canada and the U.S. and has been a speaker at many conferences and grower meetings both locally and internationally.

Deanna Németh is the nutrient management horticulture crops program lead with OMAF/MRA and works to evaluate nutrient management risks in horticulture and helps identify and validate Best Management Practices for Ontario growers. She is a graduate from the University of Guelph, with a Master's degree in soil microbiology and agro-meteorology.



Dr. Michael P. Parrella, PhD, is professor of entomology and department chair in the Davis Department of Entomology

at the University of California. In demand as a speaker at national and international conferences, Parrella is the author of more than 375 scientific and trade journal publications. For 10 years he wrote a monthly column for the trade magazines *Greenhouse Grower* and *GrowerTalks*. A recipient of numerous awards, he was inducted into the California Floriculture Hall of Fame in 2011.



Olga Piedrahita holds a B.Sc. in entomology/plant science from the University of British Columbia and an M.Sc. in pest

management/plant health from the University of Guelph. She worked in her native Colombia as consultant in greenhouse crops until she immigrated to Canada. She was employed as a research associate at the Horticultural Research Institute of Ontario for several years and has been teaching at Niagara College for 20 years. She has a passion for insects and how they affect greenhouse production. She has written a

practical insect identification guide for horticulture called *Entomology in Action for Horticulture*.



Dr. Zamir Punja is a graduate of the University of California, Davis, where he obtained a PhD degree in plant pathology.

His area of specialization is fungal root rot pathogens. He joined the Campbell Soup Company in 1982 as a research scientist working on diseases of carrots in North Carolina. He assumed the position of manager of biotechnology for Campbell's in California in 1985 and left to join SFU in 1989 as an associate professor. Dr. Punja is currently a professor and Burnaby Mountain Endowed Chair in the Department of Biological Sciences. His research interests are in fungal disease management on a range of crop plants, including blueberries, ginseng and greenhouse vegetables. He has worked on biological control of root pathogens as well as post-harvest diseases.

Tim Rempel is president and co-founder of Savery Canada Inc. They have spent the past five years developing and perfecting their R3 technology.



Lloyd Rozema is president of Aqua Treatment Technologies and has been involved in the design, permitting and installation

of constructed wetlands for wastewater treatment for over 20 years. His proprietary wetland design, the Aqua Wetland System (AWS), has been approved by the Ontario Ministry of Environment, Health Canada and the U.S. EPA for treatment of domestic and industrial sewage at over 100 installations. The first irrigation leachate treatment and re-use wetland was installed in 2001 at a large cut flower operation in Niagara.



Taro Saito moved to Canada in 1998 from Sapporo, Japan. He received a B.Sc. in biology

and M.Sc. in applied science at Saint Mary's University in Halifax, and then remained in the lab for an extra year as a research assistant establishing himself as an insect pathologist. He discovered a new species of microsporidian pathogen in lacewings. Saito joined Vineland Research and Innovation Centre in 2010 as a senior research technician managing the Bioprotection Lab. "I have had a passion for 'bug hunting' for as long as I can remember," he says. "Every day, I look for potential new biocontrol agents in my back yard."



Melhem Sawaya graduated from the American University of Beirut with a B.Sc. degree in horticulture plus a supplemental degree in agricultural engineering. Since 1990, his consulting company, Focus Greenhouse Management Inc. has worked with many progressive greenhouse growers in the areas of management and production. Sawaya is a frequent speaker at industry conventions, a contributor to *Greenhouse Canada* and an active Canadian Greenhouse Conference volunteer. Sawaya Gardens, a division of Focus Greenhouse Management, conducts container field trials on about 2,000 cultivars, representing most of the breeders in the industry.



Dr. Shannon Shan is originally from southern China and received her PhD in plant-microbe interactions from the University of Hong Kong in 1999. She immigrated to Canada in 2001 and started working at the pest diagnostic clinic at the University of Guelph in 2007. She has more than 15 years of experience in plant pathology, environmental microbiology, molecular biology and pathogen diagnosis and detection. She is employed as the plant disease diagnostician and supervisor at the pest diagnostic clinic.



Deborah Sirman grew up in the horticulture industry and is a co-owner of the award-winning Greenland Garden Centre in Sherwood Park, Alberta. Since helping open the family's destination garden centre in 1991, Deborah's key responsibilities have been buying, marketing and staff training for up to 140 employees each year. Her business philosophies include, "always give customers a reason to come to your store," and "there is never time for complacency in a seasonal business."



Kenny So completed his bachelor's degree in plant science at the University of Guelph in the spring of this year and is currently a master's student in the School of Environmental Sciences at the U of G. His interests lie in orchids and carnivorous plants, as well as the use of tissue culture for large-scale plant propagation.



Richard St. Jean, P.Eng, P.Ag. is a registered professional engineer and a registered professional agrologist with over 29 years of agricultural and environmental project experience. His career focus has been on the management, treatment and recycling of wastewaters and byproduct wastes in agriculture and the food processing industry. He is a certified NASM plan developer and is also actively involved in green energy projects that make use of organic wastes from the food industry as feedstocks for energy production.



Paul Stringer has a history of service with Durward Jones Barkwell since 1973 and now serves as chair of the firm's management committee. His practice focuses on entrepreneurial and family businesses delivering traditional assurance services; income tax and estate planning; advice related to reorganizations and business successions; purchase and sales of businesses and generational transfers; and general business accounting. He is active in community service and is an avid golfer - combining the two whenever possible!

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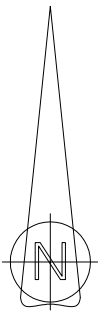
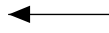
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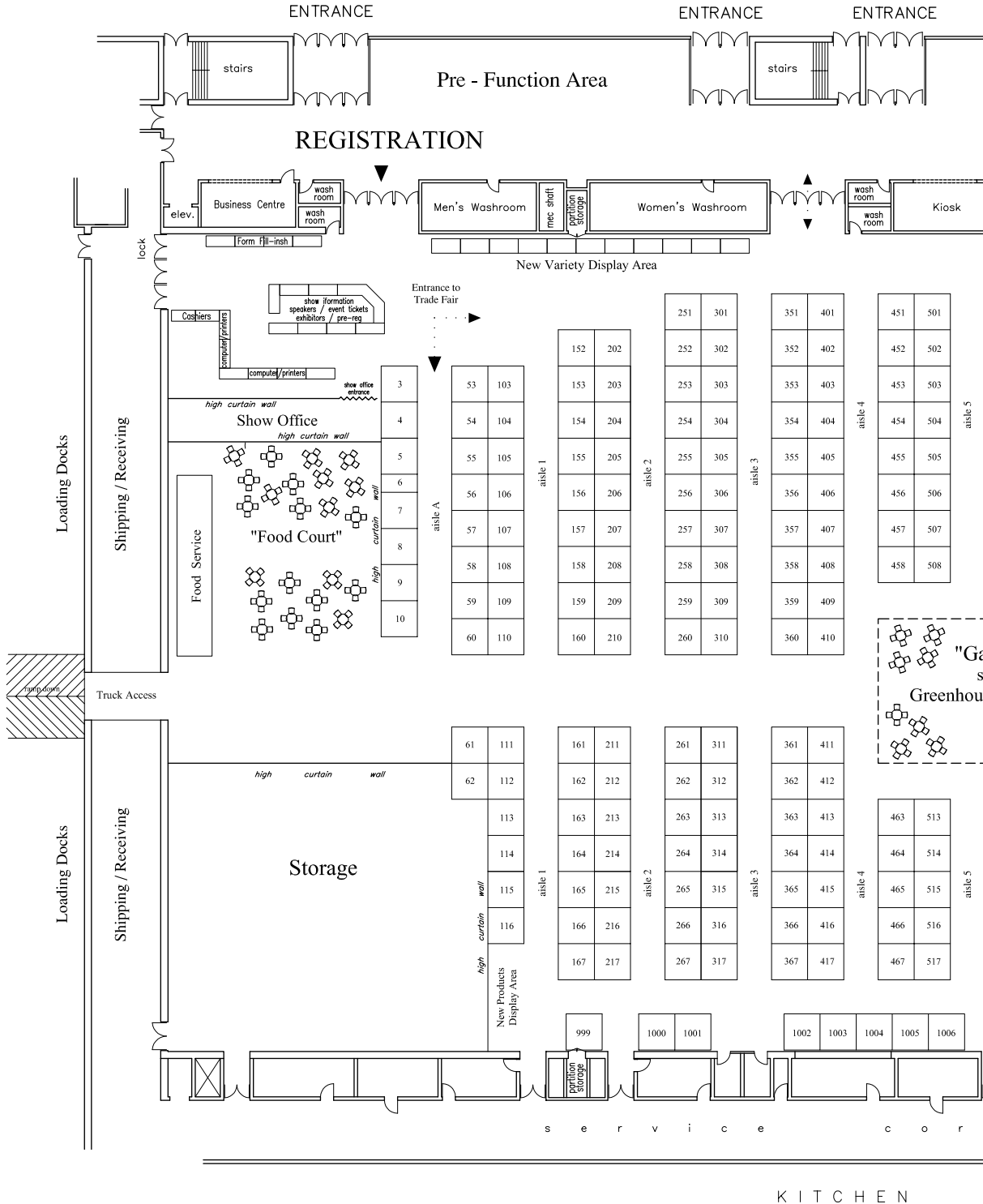
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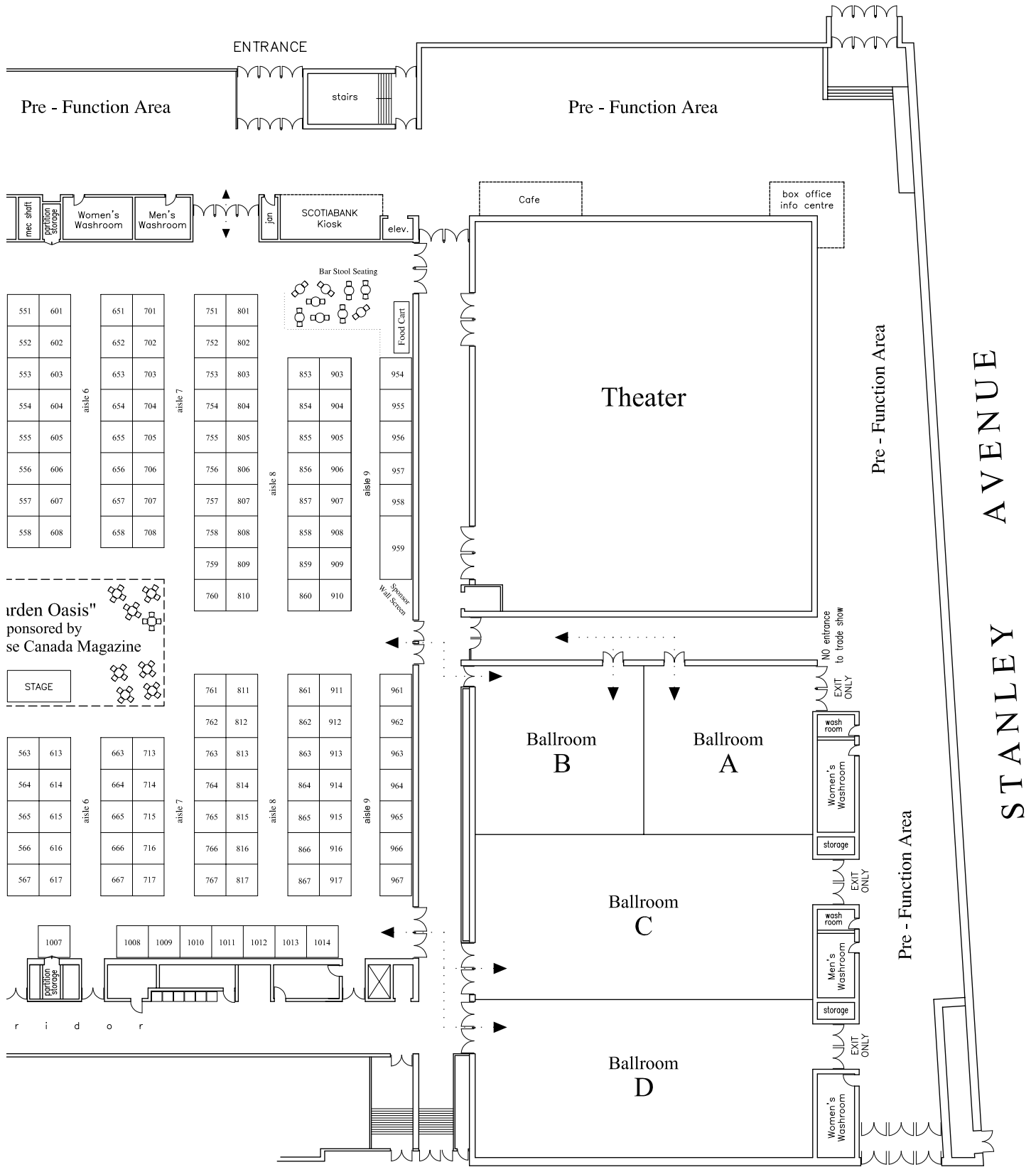


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2013 - Canadian Greenhouse Scotiabank Con

TO PARKING

(from HOTELS)



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Maryam Sultan is originally from Bonn, Germany, and moved to Canada to pursue a secondary degree in biochemistry/biopharmaceutical sciences. After graduation, she realized that her interest in agriculture, especially greenhouse production, far outweighed her interests in chemical interactions within the human body. She completed her B.Sc. (agriculture) at the University of Guelph in 2012, majoring in crop, horticulture and turfgrass sciences. Sultan continued her education at the University of Guelph pursuing a M.Sc. focusing on insect pest control through IPM methods. She is part of a research project involving the use of the sterile insect technique to control American serpentine leafminer in Canadian ornamental greenhouses. The project is sponsored by Flowers Canada Growers Inc. and Agriculture and Agri-food Canada. "I thoroughly enjoy working on new and innovative insect pest control methods," she says. "And I feel proud to contribute toward a more sustainable agricultural sector and to support Canadian growers."



Jack Vanderkooy is a lifetime entrepreneur. He sold a dairy farm in 1993 to venture into greenhouse tomato production.

In the late 1990's he sold that business to start Ontario Plants Propagation Ltd., located just west of St. Thomas, Ontario, on Highway 3. He is well-connected in the Ontario agriculture community and the global greenhouse industry. Prior to the creation of Ontario Plants, some of His other accomplishments include: chairman of the board - Ontario Greenhouse Vegetable Growers Assoc.; director, F&V Energy Co-op; president, Christian Farmers Federation of Ontario; and bachelor of science degree in agriculture - University of Guelph. Today, the day to day operation of Ontario Plants is managed by Jack's sons, Steve and Tim, while Jack continues to play a role regarding business development and is president of the

company. Ontario Plants Propagation Limited specializes in producing replacement plants for the vegetable greenhouse industry in eastern N. America.

Colleen Warfield, PhD, joined Ball Horticultural Company in June, 2009 assuming the role of Corporate Plant Pathologist. She oversees the Applied Molecular and Plant Pathology Services laboratory in West Chicago, Illinois, which provides disease diagnostic services, applied pathology research, and breeding support via genetic technologies for the corporation. Prior to her current position, she directed an applied floriculture research and education program with the University of California, and was an assistant professor of plant pathology and ornamentals extension specialist at North Carolina State University. She has over 15 years of experience in the detection, diagnosis, and management of diseases affecting floriculture and nursery crops.



Dr. Jeanine West is a consultant with over 15 years of experience in horticulture, holding a M.Sc. in limnology and a PhD in plant physiology. During her doctorate, She tested biological pest control options and performed fertilizer trials at a cut flower farm. She continued her career in agriculture working for AAFC, researching biosolid applications and field tile water composition. For nearly 10 years, She led pesticide efficacy trials, fertilizer trials, was involved with water management solutions and regulations, and managed a specimen tree farm at a premier ornamental nursery. Currently the water specialist with Flowers Canada (Ontario) Inc., Jeanine supports growers with their Environmental Farm Plans, Water Abatement Plans, and collaborates with farmers and provincial ministries to develop sustainable management solutions for horticultural wastewater.

Victoria Whitney is the general manager of Griffin's Greenhouses located in Peterborough, Ontario. Growing up in the family business was training enough, although she did obtain her bachelor of education in 1993 and teach secondary school for eight years before coming back to the business, claiming plants were much quieter to work with than classrooms full of teenagers. She designs and leads most workshops at Griffin's Greenhouses. Her workshops run in five seasonal sessions: Early Spring, Spring, Summer, Fall and Winter.



Jeremy Windemuller is the trial manager for Walters Gardens in Zeeland, Michigan where he has worked for 12

years. He also owns a retail perennial nursery in western Michigan. "I have learned from a hands-on approach about the perennial industry and I love being able to trial new exciting plants. I am always looking for better ways to grow perennials."



Orest Zacerkowny is an independent consultant with over 25 years of experience with development of industrial water reuse and recovery programs and projects for food and beverage, power, refining, mining, chemical, bio-tech and manufacturing applications with special focus on zero liquid discharge and membrane bio-reactor solutions. He was previously vice president of sales and marketing for the Metals and Manufacturing Industries at Siemens Water Technologies (formerly USFILTER) with responsibility for development and commercialization of many industrial membrane applications. He has a degree in commerce from the University of Ottawa.